

World Journal Clout Index (WJCI) of Scientific and Technological

Periodicals (2021)

Discipline Classification System

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Preface

The Discipline Classification System for *the World Journal Clout Index (WJCI) of Scientific and Technological Periodicals* (hereafter referred to as WJCI DCS) is applicable to the academic journals in the science and technology fields across the world, and this classification system defines the discipline attributes of these journals.

The WJCI DCS is constructed following the general outline of the “*Classification and Coding of Disciplines (GB/T 13745-2009)*” of the People’s Republic of China (hereafter referred to as CCD), with reference to the classification systems of the “*Chinese Library Classification*” (hereafter referred to as CLC), WOS, SCOPUS, EI, MEDLINE, JST, KCI and RSCI.

The refined discipline system adapts to discipline development, catering to the goal of “clustering journals in the same field and comparing journals at the same level.” This classification system provides a well-established basis for journal evaluation, journal subscription and manuscript submission.

A Manual for the Discipline Classification System

1. Scope

This manual stipulates the principles, basis, coding methods, systems, discipline names and codes.

The WJCI DCS is applicable to the sci-tech journals sourced and indexed by the WJCI report. The classification system is constructed at a certain level according to the discipline attributes of most literature published in journals, which is different from the subject classification in the education system and industries and cannot replace other literature, bibliometric classifications and academic viewpoints.

2. Citation of normative documents

Reference documents include the

Classification and Code Disciplines of the People's Republic of China;

Chinese Library Classification;

and classification systems of international indexing databases such as WOS, SCOPUS, EI, MEDLINE, JST, KCI and RSCI.

3. Terminology

3.1 Academic journal

An academic journal refers to a journal that publishes peer-reviewed and innovative literature in specific discipline areas.

3.2 Indexed journal

An indexed journal means a journal included in the WJCI report with evaluation indexes.

3.3 Source journal (for citation statistics)

A source journal refers to a journal that meets the selection criteria for source journals of

WJCI report and whose references constitute the citation database for journal evaluation.

3.4 Discipline

A discipline represents a relatively independent knowledge system.

3.5 Discipline group

A discipline group means a group of disciplines with a common attributes. Each discipline group contains several branch disciplines.

4. Principles of discipline classification

4.1 Practicability

The purpose of journal classification is to serve professional researchers in various disciplines more precisely. To meet the needs of scientific research activities, the journals in the same field should be aggregated as much as possible under this classification system to make them complete and comparable.

4.2 Foresight

In response to the rapid development of disciplines in recent years, emerging and interdisciplinary disciplines should be independently set into one category as they reach a certain scale.

4.3 Internationalization

The classification system should be compatible with those of international libraries and databases as far as possible, and fully learn from international standards and achievements.

4.4 Rationality of scale

Disciplines with a large number of journals should be split to sub-disciplines if possible ; disciplines with a small number of journals should be appropriately merged to a higher level; some

interdisciplinary disciplines are also merged.

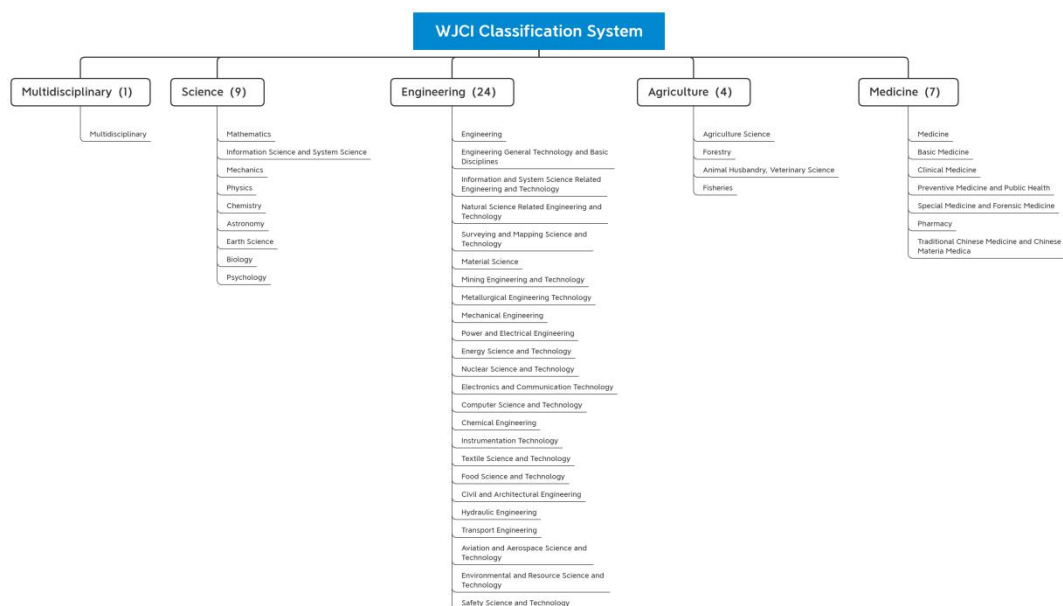
5. Description of WJCI DCS

The classification principle, classification basis and discipline codes of WJCI DCS are illustrated.

The WJCI DCS consists of three levels: Level 1 includes NX Multidisciplinary, N Science, T Engineering, S Agronomy and R Medicine; Level 2 contains 46 categories; Level 3 has 291 categories.

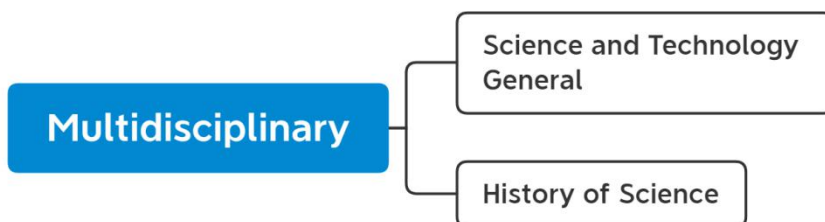
The Level-2 disciplines that are indexed in the order of alpha-numeric disciplinary codes are illustrated in the next section. Under each Level-2 discipline, the scope and classification basis of Level-3 disciplines are expounded in the order of their disciplinary codes.

6. Detailed description of WJCI DCS



6.1 Multidisciplinary

This part involves 2 Level-2 disciplines with the code number of NX001~NX002.



6.1.1 NX001 Science and Technology General

6.1.1.1 O1000 Science and Technology General

Discipline Description:

Research on science and technology with no specific disciplines are included.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
WOS	Multidisciplinary	多学科
	Multidisciplinary Sciences	多学科科学
	History and Philosophy Of Science	科学史与哲学
SCOPUS	Multidisciplinary	多学科
EI	Multidisciplinary	多学科
MEDLINE	Science	科学
	Technology	技术
RSCI	Science	科学
KCI	Natural Science	自然科学
	Natural Science General	自然科学综合
	Other Natural Science	其他自然科学

6.1.2 NX002 History of Science

6.1.2.1 O1010 History of Science

Discipline Description:

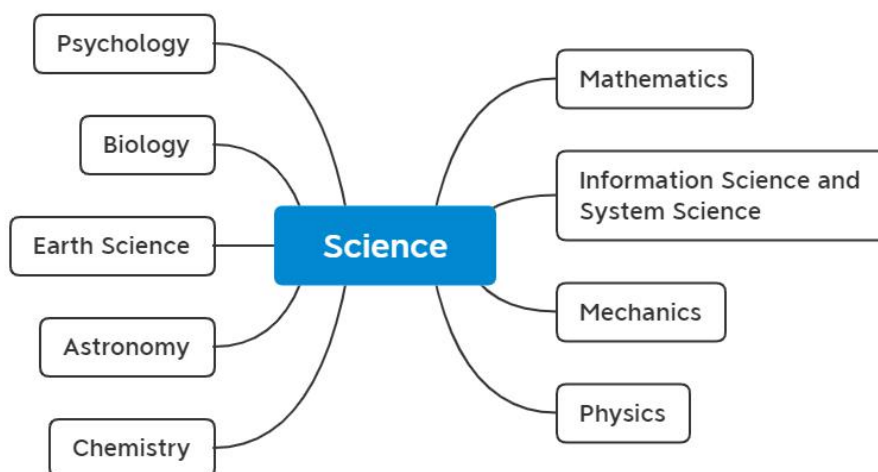
History of science is mainly categorized into this discipline.

Discipline Classification:

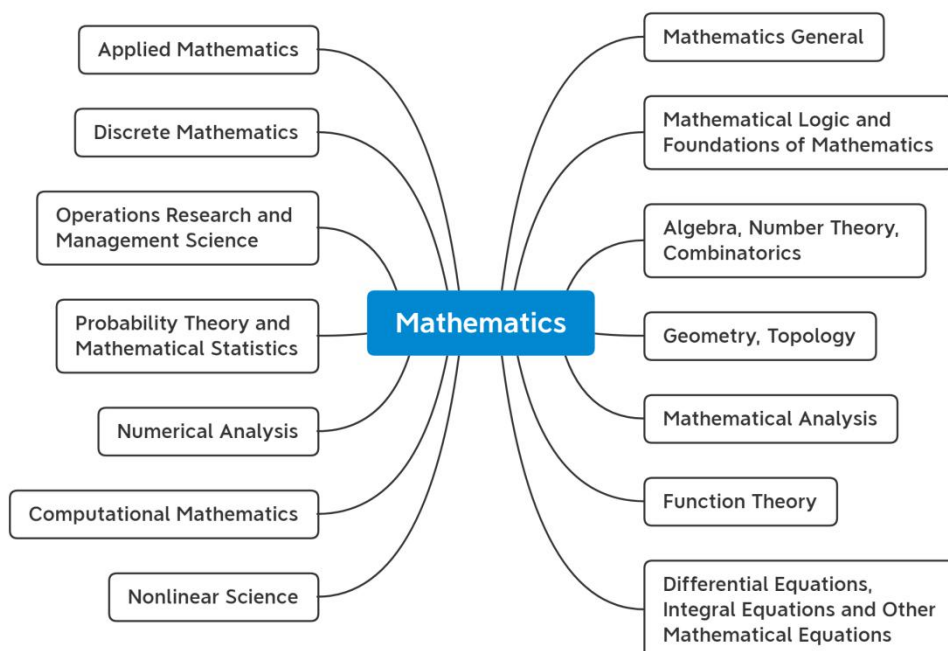
Classification system	Discipline (English)	Discipline (Chinese)
CLC	History of Science(N09)	自然科学史 (N09)
WOS	History and Philosophy Of Science	科学史与哲学
scopus	History and Philosophy Of Science	科学史与哲学
EI	History and Philosophy Of Science	科学史与哲学

6.2 Science

This part involves 9 Level-2 disciplines with the code number of N002–N010, of which Biology has 32 Level-3 disciplines, having the most subdivisions. In line with CCD, Psychology is incorporated in this part.



6.2.1 N002 Mathematics



6.2.1.1 O1100 Mathematics General

Discipline Description:

Research on mathematics general is included in this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Mathematics (1100)	数学 (1100)
CLC	Mathematics (O1)	数学 (O1)
WOS	Mathematics	数学
	Logic	逻辑
SCOPUS	General Mathematics	普通数学
	Mathematics (miscellaneous)	数学 (杂项)
EI	Mathematics	数学 (全部)
	Mathematics (miscellaneous)	数学 (杂项)
RSCI	Maths	数学
	General Mathematics	普通数学

6.2.1.2 O11014 Mathematical Logic and Foundations of Mathematics

Discipline Description:

Research on mathematical logic and foundations of mathematics is generally included.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Mathematical Logic and Foundations of Mathematics(11014)	数理逻辑与数学基础 (11014)
CLC	Mathematical Logic, Foundations of Mathematics(O14)	数理逻辑、数学基础 (O14)
WOS	Logic	逻辑学
RSCI	Mathematical logic and foundations of mathematics	数学逻辑与数学基础
EI	Logic	逻辑学

6.2.1.3 O11021 Algebra, Number Theory, Combinatorics

Discipline Description:

Research on algebra, number theory, combinatorics is included. The number theory involved refers to algebraic number theory, as well as analytic number theory, computational number theory, etc. Similarly, combinatorics includes graph theory, combinatorial enumeration, combinatorial design, combinatorial optimization, and combinatorial geometry.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Algebra (11021)	代数学 (11021)
	Combinatorics (11077)	组合数学 (11077)
	Discrete Mathematics (11081)	离散数学 (11081)

CLC	Algebra, Number Theory, Combinatorics (O15)	代数、数论、组合理论 (O15)
SCOPUS	Algebra and Number Theory	代数与数论
	Discrete Mathematics and Combinatorics	离散数学与组合
EI	Algebra and Number Theory	代数与数论
	Discrete Mathematics and Combinatorics	离散数学与组合
RSCI	Algebra	代数

6.2.1.4 O11027 Geometry, Topology

Discipline Description:

Research on geometry and topology is generally covered.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Geometry (11027)	几何学 (11027)
	Topology (11031)	拓扑学 (11031)
CLC	Geometry, Topology (O18)	几何、拓扑 (O18)
SCOPUS	Geometry and Topology	几何与拓扑
EI	Geometry and Topology	几何与拓扑
RSCI	Geometry	几何
	Topology	拓扑

6.2.1.5 O11034 Mathematical Analysis

Discipline Description:

Research on mathematical analysis is generally incorporated.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Mathematical Analysis (11034)	数学分析 (11034)
CLC	Mathematical Analysis (O17)	数学分析 (O17)
RSCI	Mathematical Analysis	数学分析

6.2.1.6 O11041 Function Theory

Discipline Description:

Research on function theory is generally included, and transcendental functions, trigonometric functions and hyperbolic functions are categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Function Theory (11041)	函数论 (11041)
CLC	Function Theory (O174)	函数论 (O174)

Classification system	Discipline (English)	Discipline (Chinese)
RSCI	Theory of Functions of a Real Variable	实变函数理论
	Theory of Functions of Complex Variables	复变函数理论

6.2.1.7 O11045 Differential Equations, Integral Equations and Other Mathematical Equations

Discipline Description:

Research on mathematical equations is generally included, and differential equations, integral equations are categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Ordinary Differential Equations (11044)	常微分方程 (11044)
	Partial Differential Equations (11047)	偏微分方程 (11047)
CLC	Differential Equations, Integral Equations (O175)	微分方程、积分方程 (O175)
RSCI	Ordinary Differential Equations	常微分方程
	Partial Differential Equations	偏微分方程
	Integral equations	积分方程

6.2.1.8 O1105755 Nonlinear Science

Discipline Description:

Research on the common rules of nonlinear phenomena in various systems is generally incorporated.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Nonlinear functional analysis(1105755)	非线性泛函分析 (1105755)
CLC	Nonlinear Science(N93)	非线性科学 (N93)
SCOPUS	Statistical and Nonlinear Physics	统计和非线性物理
EI	Statistical and Nonlinear Physics	统计和非线性物理

6.2.1.9 O11061 Computational Mathematics

Discipline Description:

Research on computational mathematics is generally included.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
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CCD	Computational Mathematics (11061)	计算数学 (11061)
CLC	Computational Mathematics (O24)	计算数学 (O24)
SCOPUS	Computational Theory and Mathematics	计算理论与数学
	Computational Mathematics	计算数学
EI	Computational Theory and Mathematics	计算理论与数学
	Computational Mathematics	计算数学
RSCI	Computational Mathematics	计算数学

6.2.1.10 O1106150 Numerical Analysis

Discipline Description:

Research on numerical analysis is included. Numerical analysis is the study of numerical computational methods and their theory for solving mathematical problems by computer.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CLC	Numerical Analysis (O241)	数值分析 (O241)
SCOPUS	Numerical Analysis	数值分析
EI	Numerical Analysis	数值分析

6.2.1.11 O11064 Probability Theory and Mathematical Statistics

Discipline Description:

Research on probability theory and mathematical statistics is generally covered.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Probability Theory (11064)	概率论 (11064)
CLC	Probability Theory (O21)	概率论 (几率论、或然率论) (O21)
WOS	Statistics and Probability	统计与概率
SCOPUS	Statistics and Probability	统计与概率
	Statistics, Probability and Uncertainty	统计, 概率和不确定性
EI	Statistics and Probability	统计与概率
	Statistics, Probability and Uncertainty	统计, 概率和不确定性
RSCI	Theory of Probability and Mathematical Statistics	概率论与数理统计

6.2.1.12 O11074 Operations Research and Management Science

Discipline Description:

Research on operations research and management science is included. Operations research and management science mainly studies mathematical modeling, decision theory and optimization

theory, and other interdisciplinary fields, involving statistics, mathematical models, decision science, etc.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Operations Research (11074)	运筹学 (11074)
CLC	Operations Research (O22)	运筹学 (O22)
WOS	Operations Research and Management Science	运筹学与管理科学
SCOPUS	Management Science and Operations Research	管理科学与运筹学
EI	Management Science and Operations Research	管理科学与运筹学

6.2.1.13 O11081 Discrete Mathematics

Discipline Description:

Research on discrete mathematics is included. Discrete mathematics studies the structure of discrete quantities and their interactions, and is an important branch of modern mathematics. Discrete structures refer to the structures of distinct elements combined together, which can be either countable or uncountable.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Discrete Mathematics (11081)	离散数学 (11081)
CLC	Discrete Mathematics (O158)	离散数学 (O158)
SCOPUS	Discrete Mathematics and Combinatorics	离散数学与组合
EI	Discrete Mathematics and Combinatorics	离散数学与组合

6.2.1.14 O11087 Applied Mathematics

Discipline Description:

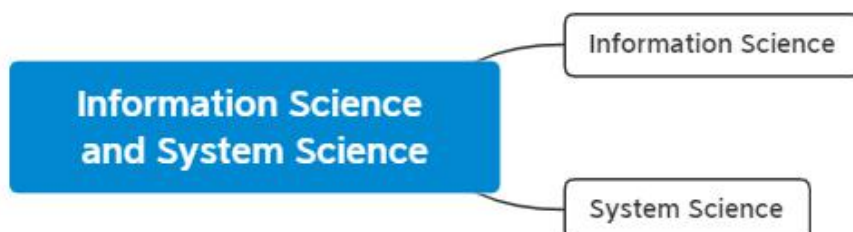
Research on applied mathematics and the application of mathematics, mainly including the theories, methods and applications of applied mathematics and related fields, is categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Applied Mathematics (11087)	应用数学 (11087)
CLC	Applied Mathematics (O29)	应用数学 (O29)
WOS	Mathematics, Applied	数学, 应用
	Mathematics, Interdisciplinary Applications	数学, 跨学科应用

Classification system	Discipline (English)	Discipline (Chinese)
SCOPUS	Applied Mathematics	应用数学
EI	Applied Mathematics	应用数学

6.2.2 N003 Information Science and System Science



6.2.2.1 O12010 Information Science

Discipline Description:

Research on information science is generally included, involving information theory, information processing, etc.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Information Theory (1201010)	信息论 (1201010)
CLC	Information Theory, Information Processing Technology, Information Resources and Management (G201/G203)	信息理论、信息处理技术、信息资源及其管理 (G201/G203)
RSCI	Information Theory	信息论

6.2.2.2 O12020 System Science

Discipline Description:

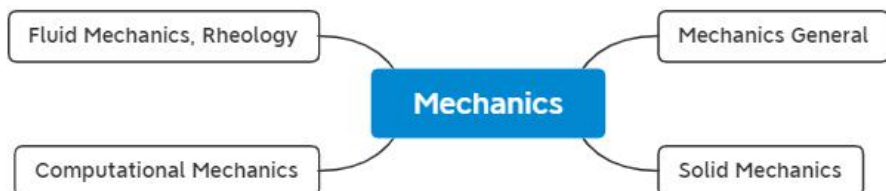
Research on the application of system science, system science theory and methodology, systematics, modern system theory, systems engineering, etc. is included. It reveals the laws of systems and provides new ideas and methods for the development of modern scientific technology and economy.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Cybernetics (1201020)	控制论 (1201020)
	System Science (12020)	系统学 (12020)
	Control Theory (12030)	控制理论 (12030)

CLC	System Science (N94)	系统科学 (N94)
RSCI	System Analysis	系统分析

6.2.3 N004 Mechanics



6.2.3.1 O130 Mechanics General

Discipline Description:

Research on mechanics with no specific disciplines is included.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Mechanics (130)	力学 (130)
CLC	Mechanics (O3)	力学 (O3)
WOS	Mechanics	力学
RSCI	General Mechanics	一般力学

6.2.3.2 O13015 Solid Mechanics

Discipline Description:

Research on solid mechanics and its applications is mainly incorporated.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Solid Mechanics (13015)	固体力学 (13015)
CLC	Solid Mechanics (O34)	固体力学 (O34)
RSCI	Mechanics of a Deformable Solid	变形固体的力学

6.2.3.3 O1301570 Computational Mechanics

Discipline Description:

Mathematical methods in mechanics, as well as the interdisciplinary field of mathematics and mechanics are mainly involved.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Computational Solid Mechanics	计算固体力学 (1301570)

Classification system	Discipline (English)	Discipline (Chinese)
	(1301570)	
CLC	Mathematical Methods in Mechanics (O302)	力学中的数学方法 (O302)
SCOPUS	Computational Mechanics	计算力学
EI	Computational Mechanics	计算力学

6.2.3.4 O13025 Fluid Mechanics, Rheology

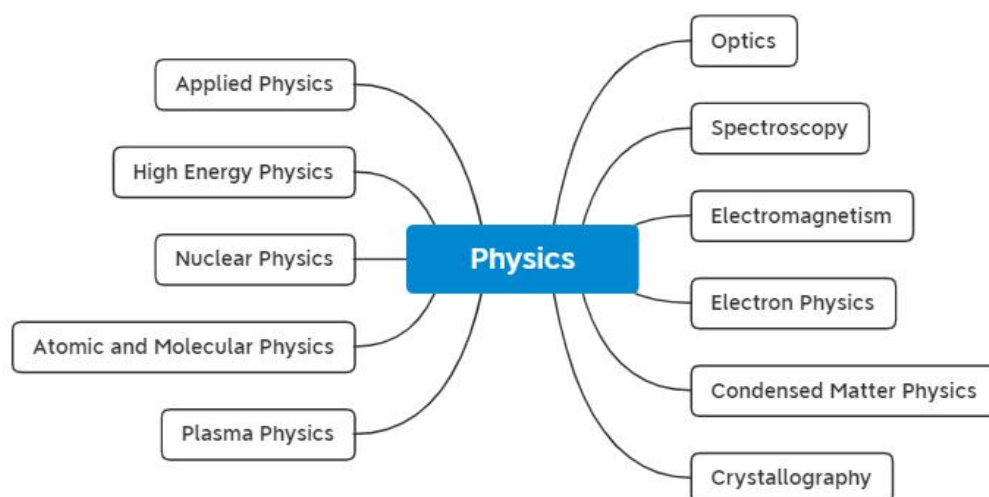
Discipline Description:

Research on fluid mechanics and rheology and their applications are mainly included.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Fluid Mechanics (13025)	流体力学 (13025)
CLC	Fluid Mechanics (O35)	流体力学 (O35)
	Rheology (O37)	流变学 (O37)
SCOPUS	Fluid Flow and Transfer Processes	流体流动和转移过程
EI	Fluid Flow and Transfer Processes	流体流动和转移过程
RSCI	Fluid and Gas Mechanics	流体力学

6.2.4 N005 Physics



6.2.4.1 O140 Physics General

Discipline Description:

Research on physics with no specific disciplines is included, involving theoretical physics, acoustics, thermotics, optics, and electromagnetism.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Physics (140)	物理学 (140)
CLC	Physics (O4)	物理学 (O4)
WOS	Physics	物理
	Physics, Multidisciplinary	物理学, 多学科
SCOPUS	Physics and Astronomy (miscellaneous)	物理与天文学 (杂项)
	General Physics and Astronomy	一般物理学与天文学
EI	Physics and Astronomy (all)	物理与天文学
	Physics and Astronomy (miscellaneous)	物理与天文学 (杂项)
MEDLINE	Physics	物理
JST	Physics	物理
KCI	Physics	物理
RSCI	Physics	物理学
	General Physics Issues	一般物理问题
	General Problems of a Physical Experiment	物理实验的一般问题

6.2.4.2 O14015 Theoretical Physics

Discipline Description:

Research on theoretical physics and its related fields is generally covered, with mathematical methods of physics, relativity, field theory, statistical physics, nonlinear physics and theoretical physics involved.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Theoretical Physics (14015)	理论物理学 (14015)
CLC	Theoretical Physics (O41)	理论物理学 (O41)
WOS	Physics, Mathematical	物理, 数学
SCOPUS	Mathematical Physics	数学物理
EI	Mathematical Physics	数学物理
MEDLINE	Physics	物理
RSCI	Mathematical Models of Natural Sciences and Technical Sciences. Equations of Mathematical Physics	自然科学和技术科学的数学模型. 数学物理方程

6.2.4.3 O1401550 Quantum Science and Technology

Discipline Description:

Research on quantum science and its applications is generally included, with quantum theory

and quantum mechanics involved.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Quantum Mechanics (1401550)	量子力学 (1401550)
CLC	Quantum Theory (O413)	量子论 (O413)
WOS	Quantum Science and Technology	量子科学与技术

6.2.4.4 O14020 Acoustics

Discipline Description:

Research on acoustics and its applications is generally included, involving acoustic engineering, acoustic instruments, ultrasonic engineering, and acoustic-related issues and interdisciplinary disciplines.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Acoustics (14020)	声学 (14020)
CLC	Acoustics (O42)	声学 (O42)
WOS	Acoustics	声学
SCOPUS	Acoustics and Ultrasonics	声学与超声波
EI	Acoustics and Ultrasonics	声学与超声波
RSCI	Acoustics	声学
	Electroacoustics, Ultrasound and Infrasound Technology	电声, 超声和次声技术

6.2.4.5 O14025 Thermodynamics

Discipline Description:

Research on thermodynamics and its applications is generally encompassed.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Thermodynamics (14025)	热学 (14025)
CLC	Thermodynamics (O551)	热学 (O551)
WOS	Thermodynamics	热力学
RSCI	Physics of Gases and Liquids. Thermodynamics and Statistical Physics	气体和液体的物理学.热力学和统计物理学

6.2.4.6 O14030 Optics

Discipline Description:

Research on optics and its applications is generally included.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Optics (14030)	光学 (14030)
CLC	Optics (O43)	光学 (O43)
WOS	Optics	光学
SCOPUS	Atomic and Molecular Physics, and Optics	原子与分子物理与光学
RSCI	Optics	光学
	Polygraphy. Reprography. Photokinotechnics	测谎、影印、光动力学技术
	Photokinotechnics	光动力学技术
	Laser Physics	激光物理学

6.2.4.7 O1403025 Spectroscopy

Discipline Description:

Research on spectroscopy and its applications is mainly included. Spectroscopy is the study of the interaction between electromagnetic wave and matter. It is an interdisciplinary discipline involving physics and chemistry.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Spectroscopy (1403025)	光谱学 (1403025)
CLC	Spectroscopy (O433)	光谱学 (O433)
WOS	Spectroscopy	光谱学
SCOPUS	Spectroscopy	光谱学
EI	Spectroscopy	光谱学

6.2.4.8 O14035 Electromagnetism

Discipline Description:

Research on electromagnetism and its applications is generally incorporated, involving electricity, electrodynamics, magnetostatics, electrostatics and interdisciplinary disciplines related to electromagnetics.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Electromagnetism (14035)	电磁学 (14035)
CLC	Electromagnetism (O441)	电磁学 (O441)
SCOPUS	Electronic, Optical and Magnetic Materials	电子, 光学和磁性材料
EI	Electronic, Optical and Magnetic Materials	电子, 光学和磁性材料

6.2.4.9 O14045 Electron Physics

Discipline Description:

Research on electron physics and its application is mainly covered. Electron physics (vacuum electronics) studies the theory of electromagnetic field interaction in microscopic systems.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Electron Physics (14045)	电子物理学 (14045)
CLC	Vacuum Electronics (Electron Physics) (O46)	真空电子学(电子物理学)(O46)
RSCI	Radiophysics. Physical Fundamentals of Electronics	放射物理学.电子学的物理基础

6.2.4.10 O14050 Condensed Matter Physics

Discipline Description:

Research on condensed matter physics, as well as its applications is generally included.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Condensed Matter Physics (14050)	凝聚态物理学 (14050)
CLC	Condensed Matter Physics (O469)	凝聚态物理学 (O469)
WOS	Physics, Condensed Matter	物理, 凝聚态
SCOPUS	Condensed Matter Physics	凝聚态物理学
EI	Condensed Matter Physics	凝聚态物理学

6.2.4.11 O1405030 Crystallography

Discipline Description:

Research on crystallography and its applications, including crystal chemistry and physics research and their interactions with molecular structure, is generally involved.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Crystallography (1405030)	晶体学 (1405030)
CLC	Crystallography (O7)	晶体学 (O7)
WOS	Crystallography	晶体学

6.2.4.12 O14055 Plasma Physics

Discipline Description:

The theory, achievement and application of plasma physics are categorized into this

discipline. Plasma physics is the study of the creation of plasmas as well as their various properties and laws of motion.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Plasma Physics (14055)	等离子体物理学 (14055)
CLC	Plasma Physics (O53)	等离子体物理学 (O53)
WOS	Physics, Fluids and Plasmas	物理, 流体与等离子
RSCI	Plasma Physics	等离子体物理学

6.2.4.13 O14060 Atomic and Molecular Physics

Discipline Description:

Research on atomic and molecular structure, property, interaction, laws of motion and their interaction with surrounding environment is categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Atomic and Molecular Physics (14060)	原子分子物理学 (14060)
CLC	Molecular Physics, Atomic Physics (O56)	分子物理学、原子物理学 (O56)
WOS	Physics, Atomic, Molecular and Chemical	物理, 原子, 分子与化学
SCOPUS	Atomic and Molecular Physics, and Optics	原子与分子物理与光学
EI	Atomic and Molecular Physics, and Optics	原子与分子物理与光学
RSCI	Physics of Atom and Molecule	原子与分子物理学

6.2.4.14 O14065 Nuclear Physics

Discipline Description:

Nuclear physics studies atomic nuclei structure and their changing laws, and applies the beams to detection and analysis. This discipline also includes physical issues related to nuclear energy and nuclear technology.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Nuclear Physics (14065)	原子核物理学 (14065)
CLC	Nuclear Physics (O571)	原子核物理学 (O571)
WOS	Physics, Nuclear	物理, 核
RSCI	Nuclear Physics	核物理

6.2.4.15 O14070 High Energy Physics

Discipline Description:

High energy physics (also known as particle physics and elementary particle physics) is a branch of physics that studies the structure of matters of the microworld, and the conversion of these matters under high energy as well as the conversion reasons and laws.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	High Energy Physic (14070)	高能物理学 (14070)
CLC	High Energy Physics (O572)	高能物理学 (O572)
WOS	Physics, Particles and Fields	物理, 粒子与场
SCOPUS	Nuclear and High Energy Physics	核能与高能物理
EI	Nuclear and High Energy Physics	核能与高能物理
RSCI	Particle Physics. Field Theory. High Energy Physics	粒子物理学.场论.高能物理

6.2.4.16 O14080 Applied Physics

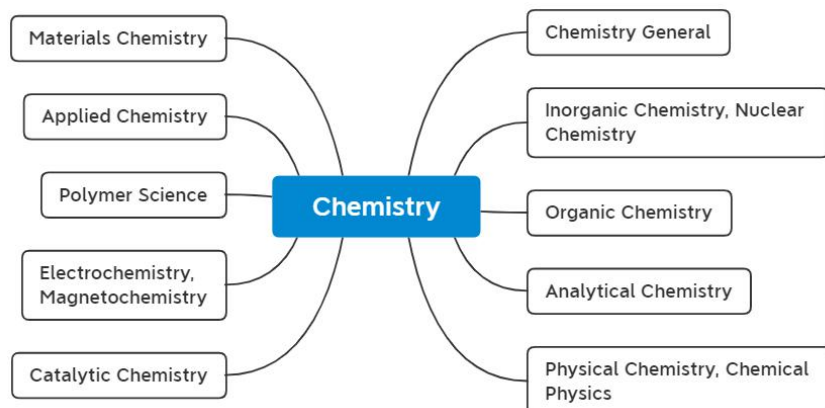
Discipline Description:

Research on applied physics and interdisciplinary applications, as well as possible interdisciplinary disciplines in engineering and industry is generally included.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Applied Physics (14080)	应用物理学 (14080)
CLC	Applied Physics (O59)	应用物理学 (O59)
WOS	Physics, Applied	物理, 应用

6.2.5 N006 Chemistry



6.2.5.1 O150 Chemistry General

Discipline Description:

Research on chemistry with no specific disciplines is included.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Chemistry (150)	化学 (150)
CLC	Chemistry (O6)	化学 (O6)
WOS	Chemistry	化学
	Chemistry, Multidisciplinary	化学, 多学科
SCOPUS	General Chemistry	普通化学
	Chemistry (miscellaneous)	化学 (杂项)
EI	Chemistry (all)	化学 (全部)
	Chemistry (miscellaneous)	化学 (杂项)
MEDLINE	Chemistry	化学
JST	Chemistry	化学
KCI	Chemistry	化学
RSCI	Chemistry	化学
	General Chemistry Issues	一般化学问题

6.2.5.2 O15015 Inorganic Chemistry, Nuclear Chemistry

Discipline Description:

Inorganic chemistry is the study of inorganic compounds (referring to most compounds without C–H bonds, but involving carbon oxides, carbon sulfides, cyanides, thiocyanates, carbonic acid and carbonate, carborane, metal carbonyl, etc. Nuclear chemistry mainly studies nuclear properties and structure, the laws and the chemical effects of nuclear transmutation, and exotic atomic chemistry, as well as application of related research results in various fields.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Inorganic Chemistry (15015)	无机化学 (15015)
	Nuclear Chemistry (15050)	核化学 (15050)
CLC	Inorganic Chemistry (O61)	无机化学 (O61)
	Radioactive Elements, Radiochemistry (O615)	放射性元素、放射化学 (O615)
WOS	Chemistry, Inorganic and Nuclear	化学, 无机与核
SCOPUS	Inorganic Chemistry	无机化学
EI	Inorganic Chemistry	无机化学
RSCI	Inorganic Chemistry. Complex Compounds	无机化学.复杂化合物

6.2.5.3 O15020 Organic Chemistry

Discipline Description:

Research on organic chemistry and its applications is generally included.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Organic Chemistry (15020)	有机化学 (15020)
CLC	Organic Chemistry (O62)	有机化学 (O62)
WOS	Chemistry, Organic	化学, 有机
SCOPUS	Organic Chemistry	有机化学
EI	Organic Chemistry	有机化学
RSCI	Organic chemistry	有机化学
	Bioorganic Chemistry. Natural Organic Compounds and Their Synthetic Analogues	生物有机化学.天然有机化合物及其合成类似物

6.2.5.4 O15025 Analytical Chemistry

Discipline Description:

Research on analytical chemistry and its applications is generally included.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Analytical Chemistry (15025)	分析化学 (15025)
CLC	Analytical Chemistry (O65)	分析化学 (O65)
WOS	Chemistry, Analytical	化学, 分析
SCOPUS	Analytical Chemistry	分析化学
EI	Analytical Chemistry	分析化学
MEDLINE	Chemistry Techniques, Analytical	化学技术, 分析
RSCI	Analytical Chemistry	分析化学

6.2.5.5 O15030 Physical Chemistry, Chemical Physics

Discipline Description:

Physical problems in chemical field are mainly included. This discipline is an interdisciplinary discipline arising from the combination of chemistry and physics, and also known as theoretical chemistry, mainly dealing with chemical problems with mathematical and physical methods.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Physical Chemistry (15030)	物理化学 (15030)
CLC	Physical Chemistry (Theoretical Chemistry), Chemical Physics (O64)	物理化学 (理论化学)、化学物理学 (O64)
WOS	Chemistry, Physical	化学, 物理
SCOPUS	Physical and Theoretical Chemistry	物理理论化学
	Colloid and Surface Chemistry	胶体与表面化学
EI	Physical and Theoretical Chemistry	物理理论化学
	Colloid and Surface Chemistry	胶体与表面化学
RSCI	Physical Chemistry	物理化学

6.2.5.6 O1503035 Catalytic Chemistry

Discipline Description:

Catalysis, catalysis principles, catalytic reactions, and catalysts are generally categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Catalytic Chemistry (1503035)	催化化学 (1503035)
CLC	Chemical Kinetics, Catalysis (O643)	化学动力学、催化作用 (O643)
SCOPUS	Catalysis	催化
EI	Catalysis	催化

6.2.5.7 O1503050 Electrochemistry, Magnetochemistry

Discipline Description:

Basic research on electrochemistry and magnetochemistry and their applications in other disciplines are generally included. Electrochemistry deals with the chemical changes by electricity and electricity produced in the chemical reaction. Magnetochemistry is a branch of physical chemistry that studies the relationship between molecular magnetism and chemical structure.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Electrochemistry (1503050)	电化学 (1503050)
CLC	Electrochemistry, Electrolysis, Magnetochemistry (O646)	电化学、电解、磁化学 (O646)
	Electrochemical Industry (TQ15)	电化学工业 (TQ15)
WOS	Electrochemistry	电化学
SCOPUS	Electrochemistry	电化学
EI	Electrochemistry	电化学

6.2.5.8 O15045 Polymer Science

Discipline Description:

Polymer science includes the study of polymer chemistry and polymer physics and its applications.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Polymer Physics (15040)	高分子物理 (15040)
	Polymer Chemistry (15045)	高分子化学 (15045)
CLC	Polymer Chemistry (Polymer) (O63)	高分子化学 (高聚物) (O63)
WOS	Polymer Science	高分子科学
RSCI	Chemistry of Macromolecular Compounds	大分子化学
	Technology of Natural Macromolecular Compounds	天然高分子化合物技术
	Synthetic Macromolecular Compound Technology	合成高分子化合物技术

6.2.5.9 O15055 Applied Chemistry

Discipline Description:

The application of chemistry to various aspects is mainly involved.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Applied Chemistry (15055)	应用化学 (15055)
CLC	Applied Chemistry (O69)	应用化学 (O69)
WOS	Chemistry, Applied	化学, 应用

6.2.5.10 O15065 Materials Chemistry

Discipline Description:

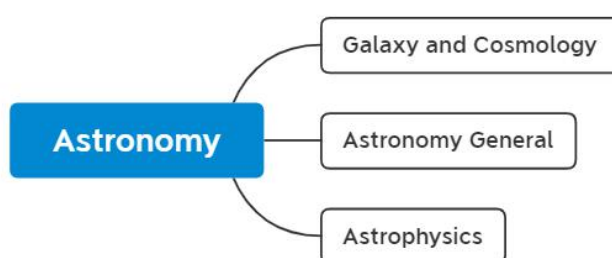
Materials and chemistry-related research is mainly categorized into this discipline, involving soft

chemistry, carbon chemistry, nanochemistry, and other disciplines of material chemistry.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Material Chemistry (15065)	材料化学 (15065)
CLC	Chemical Experiment Method (TB302.2)	化学试验法 (TB302.2)
SCOPUS	Materials Chemistry	材料化学
EI	Materials Chemistry	材料化学

6.2.6 N007 Astronomy



6.2.6.1 P160 Astronomy

Discipline Description:

Research on astronomy and astronomy theory and methodology is generally included.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Astronomy (160)	天文学 (160)
CLC	Astronomy (P1)	天文学 (P1)
WOS	Astronomy and Astrophysics	天文学与天体物理学
SCOPUS	Physics and Astronomy (miscellaneous)	物理与天文学 (杂项)
	General Physics and Astronomy	普通物理学与天文学
EI	Physics and Astronomy (all)	物理与天文学
	Physics and Astronomy (miscellaneous)	物理与天文学 (杂项)
JST	Earth Sciences and Astronomy	地球科学与天文学
KCI	Astronomy	天文学
RSCI	Astronomy	天文学
	General Astronomy Issues	一般天文学问题
	Theoretical Astronomy, Heavenly Mechanics	理论天文学,航空力学

6.2.6.2 P16020 Astrophysics

Discipline Description:

Theoretical astrophysics, relativistic astrophysics, high-energy astrophysics (including astronuclear physics), observational astrophysics, and other disciplines of astrophysics are generally covered.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Astrophysics (16020)	天体物理学 (16020)
	Astrometry (16030)	天体测量学 (16030)
CLC	Astrophysics (P14)	天体物理学 (P14)
WOS	Astronomy and Astrophysics	天文学与天体物理学
SCOPUS	Astronomy and Astrophysics	天文学与天体物理学
EI	Astronomy and Astrophysics	天文学与天体物理学
RSCI	Astrophysics	天体物理学

6.2.6.3 P16050 Galaxy and Cosmology

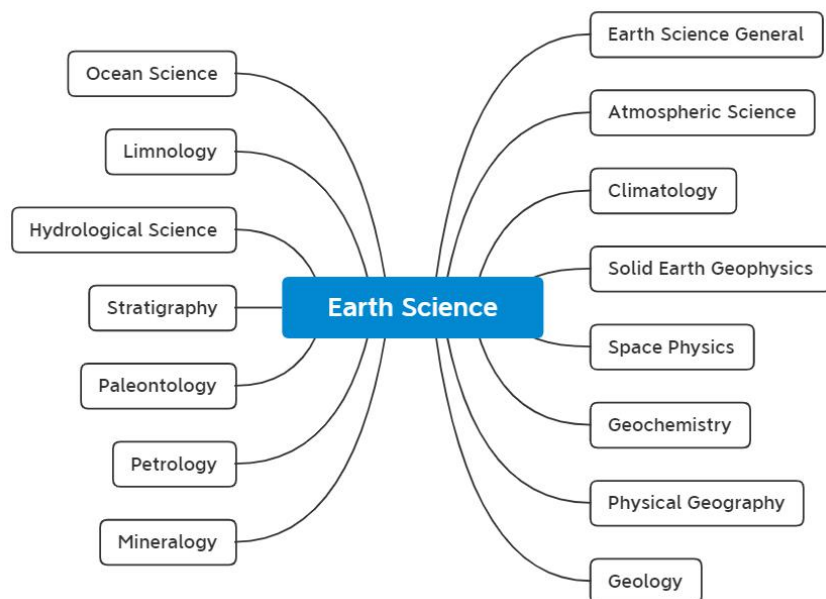
Discipline Description:

Galaxy dynamics, galaxy astronomy, kinematic cosmology, intergalactic matter, big bang cosmology, formation and evolution of galaxies, origin and evolution of large-scale structures of the universe and other disciplines of galaxies and cosmology are categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Galaxy and Cosmology (16050)	星系与宇宙学 (16050)
	The Sun and Solar System (16060)	太阳与太阳系 (16060)
CLC	Cosmology (P159)	宇宙学 (P159)
WOS	Space Science	太空科学
SCOPUS	Space and Planetary Science	太空与行星科学
EI	Space and Planetary Science	太空与行星科学
RSCI	Space Exploration, General Space Exploration Issues	太空探索、一般太空探索问题
	Cosmic Biology	宇宙生物学
	The Nebula, Interstellar Medium	星云。星际介质
	Cosmology	宇宙学
	Solar System	太阳系
	Planetology	行星学
	The Sun	太阳

6.2.7 N008 Earth Science



6.2.7.1 P170 Earth Science General

Discipline Description:

Research on earth science with no specific disciplines is included.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Earth Science (170)	地球科学 (170)
CLC	Astronomy, Earth Science (P)	天文学、地球科学 (P)
WOS	Geosciences	地球科学
	Geosciences, Multidisciplinary	地球科学, 多学科
SCOPUS	General Earth and Planetary Sciences	一般地球与行星科学
	Earth and Planetary Sciences (miscellaneous)	地球与行星科学 (杂项)
EI	Earth and Planetary Sciences (all)	地球与行星科学 (全部)
	Earth and Planetary Sciences (miscellaneous)	地球与行星科学 (杂项)
JST	Earth Sciences and Astronomy	地球科学与天文学
KCI	Earth Science	地球科学

6.2.7.2 P17015 Atmospheric Science

Discipline Description:

Research on atmospheric science and its applications is generally included. Atmospheric

science is the study of the earth's atmosphere and its laws for human activities, covering atmospheric physics, meteorology, and synoptics and applied meteorology.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Atmospheric Science (17015)	大气科学 (17015)
CLC	Atmospheric Science (Meteorology) (P4)	大气科学 (气象学) (P4)
WOS	Meteorology and Atmospheric Sciences	气象与大气科学
SCOPUS	Atmospheric Science	大气科学
EI	Atmospheric Science	大气科学
KCI	Atmospheric Sciences	大气科学
RSCI	Meteorology	气象
	Geomagnetism and High Atmospheric Layers	地磁和高大气层

6.2.7.3 P1701535 Climatology

Discipline Description:

Climatology studies the characteristics, formation, distribution and evolution law of climate, and interactions between climates and other natural factors and human activities, as well as regional climatic characteristics and changes.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Climatology (1701535)	气候学 (1701535)
CLC	Climatology (P46)	气候学 (P46)
RSCI	Climatology	气候学

6.2.7.4 P17020 Solid Earth Geophysics

Discipline Description:

Solid earth geophysics studies the motion and other physical processes of solid earth with physical methods.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Solid Earth Geophysics (17020)	固体地球物理学 (17020)
CLC	Geophysics (P3)	地球物理学 (P3)
WOS	Geochemistry and Geophysics	地球化学与地球物理学
SCOPUS	Geophysics	地球物理学

Classification system	Discipline (English)	Discipline (Chinese)
	Earth-Surface Processes	地表过程
EI	Geophysics	地球物理学
	EarthSurface Processes	地表过程
RSCI	Earth Physics	地球物理学
	Geomagnetism and High Atmospheric Layers	地磁和高大气层

6.2.7.5 P17025 Space Physics

Discipline Description:

The application of physics focusing on space research, ionospheric physics, aeronomy, magnetospheric physics, space physics exploration, and space environment science is categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Space Physics (17025)	空间物理学（17025 ）
CLC	Space Physics (P35)	空间物理（P35）

6.2.7.6 P17030 Geochemistry

Discipline Description:

Research on geochemistry is generally incorporated.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Geochemistry (17030)	地球化学（17030）
CLC	Geochemistry (P59)	地球化学（P59）
WOS	Geochemistry and Geophysics	地球化学与地球物理学
SCOPUS	Geochemistry and Petrology	地球化学与岩石学
EI	Geochemistry and Petrology	地球化学与岩石学
RSCI	Geochemistry	地球化学

6.2.7.7 P17045 Physical Geography

Discipline Description:

Research on physical geography and its theoretical methods, as well as population, resources, environment, etc. relating to physical geography is generally included.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Geography (17045)	地理学（17045）
CLC	Physical Geography (P9)	自然地理学（P9）
WOS	Geography	地理

Classification system	Discipline (English)	Discipline (Chinese)
	Geography, Physical	地理, 自然
JST	Anthropology, History and Geography	人类学, 历史与地理
KCI	Geography	地理
RSCI	Geography	地理学
	General Geography Issues	一般地理问题
	Geophysics	地理物理学
	General issues of Geophysics	地理物理学的一般问题
	Theoretical Geography	理论地理
	Toponymy	地名学
	Glaciology	冰川学
	Geomorphology	地貌学

6.2.7.8 P17050 Geology

Discipline Description:

Research on geology and its interdisciplinary field is mainly included.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Geology (17050)	地质学 (17050)
CLC	Geology (P5)	地质学 (P5)
	Geology, Mineral Survey and Exploration (P62)	地质、矿产普查与勘探 (P62)
WOS	Geology	地质学
SCOPUS	Geology	地质学
EI	Geology	地质学
KCI	Geology	地质学
RSCI	Geology	地质学
	General Issues of Geology	地质学一般问题

6.2.7.9 P1705021 Mineralogy

Discipline Description:

Mineralogy studies the chemical composition, internal structure, occurrence, physical property, origin, formation, classification and identification of minerals and their interactions, and explores their temporal and spatial distribution as well as history of changes and utilization.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Mineralogy (Including Radiomineralogy) (1705021)	矿物学 (包括放射性矿物学) (1705021)
CLC	Mineralogy (P57)	矿物学 (P57)

Classification system	Discipline (English)	Discipline (Chinese)
WOS	Mineralogy	矿物学
RSCI	Mineralogy	矿物学
	Experimental and technical mineralogy and petrography	实验技术矿物学和岩石学
	Methods of Laboratory Mineralogical-petrographic and Geochemical Studies	实验室矿物岩石地球化学研究方法
	Geology of Ore Minerals	矿石矿物地质
	Geology of Non-Metallic Minerals	非金属矿产地质

6.2.7.10 P1705027 Petrology

Discipline Description:

Petrology, petrography, structural petrology, and related fields are mainly included.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Mineralogy (Including Radiomineralogy) (1705021)	矿物学（包括放射性矿物学）（1705021）
CLC	Petrology (P58)	岩石学（P58）
SCOPUS	Geochemistry and Petrology	地球化学与岩石学
EI	Geochemistry and Petrology	地球化学与岩石学
RSCI	Lithology	岩性
	Petrography	岩相学

6.2.7.11 P1705041 Paleontology

Discipline Description:

Paleontology is an interdisciplinary discipline involving life sciences and earth sciences. It mainly studies the nature of historical science in life sciences.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Paleontology (1705041)	古生物学（1705041）
CLC	Paleontology (Q91)	古生物学（Q91）
WOS	Paleontology	古生物学
SCOPUS	Palaeontology	古生物学
EI	Paleontology	古生物学
RSCI	Paleontology	古生物学

6.2.7.12 P1705044 Stratigraphy

Discipline Description:

Research on stratigraphy and its applications is generally covered.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Stratigraphy and Geohistory (1705044)	地层学与地史学 (1705044)
CLC	Historical Geology, Stratigraphy (P53)	历史地质学、地层学 (P53)
SCOPUS	Stratigraphy	地层学
EI	Stratigraphy	地层学
RSCI	Stratigraphy	地层学

6.2.7.13 P17055 Hydrological Science

Discipline Description:

Hydrological science is concerned with research on the waters of Earth, including water occurrence, presence, distribution, circulation and movement, and its utilization in human activities.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Hydrological Science (17055)	水文学 (17055)
CLC	Hydrological Science (Water Physics) (P33)	水文科学 (水界物理学) (P33)
RSCI	Hydrology Sushi	水文学
	General Water Issues	一般水问题
	Hydrology Sushi	水文学

6.2.7.14 P1705540 Limnology

Discipline Description:

Limnology studies the physical, chemical, and biological phenomena of land water such as lakes and marshes, rivers, groundwater, and inland saltwater lakes.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Limnology (1705540)	湖沼学 (1705540)
CLC	Land Hydrology, Hydrogeography (P343)	陆地水文学、水文地理学 (水象学) (P343)
	Aquatic Oceanography, Limnology, Reservoir Science (S913)	水产海洋学、湖沼学、水库学 (S913)
WOS	Limnology	湖沼学

6.2.7.15 P17060 Ocean Science

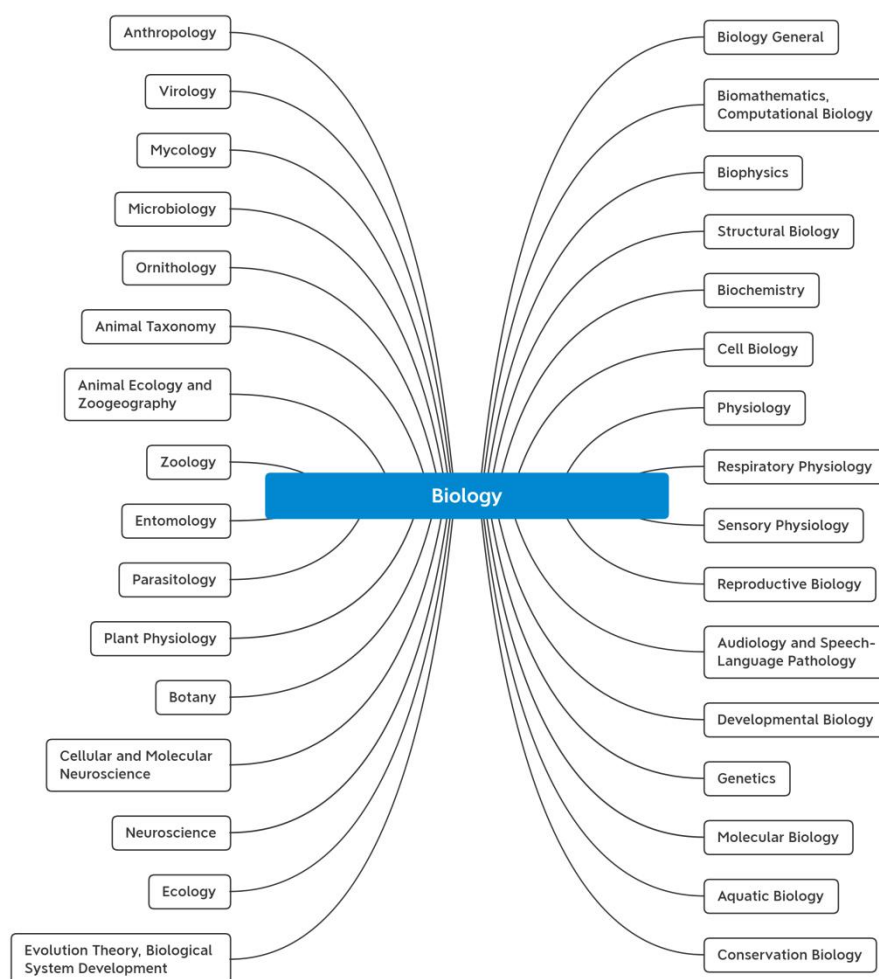
Discipline Description:

Natural phenomenon, nature and change laws of ocean and its development and utilization, as well as marine organism, substances in the sea, seabed rocks, atmospheric boundary layer over the sea, estuary coastal zone, etc. are categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Ocean Science (17060)	海洋科学 (17060)
CLC	Oceanography (P7)	海洋学 (P7)
WOS	Oceanography	海洋学
SCOPUS	Oceanography	海洋学
EI	Oceanography	海洋学
KCI	Oceanography	海洋学
RSCI	Oceanology	海洋学

6.2.8 N009 Biology



6.2.8.1 Q180 Biology General

Discipline Description:

Research on biology with no specific disciplines is included.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Biology (180)	生物学 (180)
CLC	Biological Sciences (Q)	生物科学 (Q)
WOS	Biology	生物学
SCOPUS	General Agricultural and Biological Sciences	一般农业和生物科学
MEDLINE	Biology	生物学
JST	Biology, Life Sciences and Basic Medicine	生物学, 生命科学与基础医学
KCI	Biology	生物学
RSCI	Biology	生物学
	General Biology Issues	一般生物学问题
	Theoretical biology	理论生物学
	Methods and Equipment for Biological Research	生物学研究的方法和设备

6.2.8.2 Q18011 Biomathematics, Computational Biology

Discipline Description:

Interdisciplinary fields of mathematics and biology are categorized into this discipline, dealing with biological problems with mathematical, statistical and computational methods.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Biology (180)	生物学 (180)
CLC	Biomathematics (Q-332)	生物数学方法 (Q-332)
WOS	Mathematical and Computational Biology	数学与计算生物学
MEDLINE	Computational Biology	计算生物学

6.2.8.3 Q18014 Biophysics

Discipline Description:

Biophysics is a branch of biology that uses the concepts and methods of physics to study the relationship between biological structure and function at various levels, the physical and physicochemical processes of life activities and the physical characteristics of matter in life activities. Biophysics aims to clarify the laws of movement of matter, energy, and information in a certain space and time. It includes biophysics, bioinformatics and biological cybernetics,

theoretical biophysics, sensory and neuron biophysics, bioacoustics and acoustic biophysics, bio-optics and photobiophysics, bioelectromagnetics, bioenergetics, cryogenics biophysics, molecular biophysics, and structural biology, and space biophysics.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Biophysics (18014)	生物物理学 (18014)
CLC	Biophysics (Q6)	生物物理学 (Q6)
WOS	Biophysics	生物物理学
SCOPUS	Biophysics	生物物理学
EI	Biophysics	生物物理学
MEDLINE	Biophysics	生物物理学
RSCI	Biophysics	生物物理学
	Biocybernetics	生物控制论

6.2.8.4 Q1801450 Structural Biology

Discipline Description:

Research on the structure of organisms and the theoretical methods is generally included.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Molecular Biophysics and Structural Biology (1801450)	分子生物物理学与结构生物学 (1801450)
CLC	Biological Structure Theory (Q617)	生物结构理论 (Q617)
SCOPUS	Structural Biology	结构生物学
EI	Structural Biology	结构生物学

6.2.8.5 Q18017 Biochemistry

Discipline Description:

Research on biochemistry and its applications is generally covered, involving biochemical research methods, general issues, proteins, nucleic acids, sugars, lipids, enzymes, vitamins, hormones, other chemical components of organisms, material metabolism and energy metabolism, body fluid chemistry, organ biochemistry, comparative biochemistry, applied biochemistry, etc.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Molecular Biophysics and Structural Biology (1801450)	分子生物物理学与结构生物学 (1801450)
CLC	Biochemistry (Q5)	生物化学 (Q5)
WOS	Biology and Biochemistry	生物学与生物化学

Classification system	Discipline (English)	Discipline (Chinese)
	Biochemistry and Molecular Biology	生物化学与分子生物学
	Biochemical Research Methods	生化研究方法
SCOPUS	Biochemistry	生物化学
	General Biochemistry, Genetics and Molecular Biology	普通生物化学, 遗传学和分子生物学
	Biochemistry, Genetics and Molecular Biology (miscellaneous)	生物化学, 遗传学和分子生物学 (杂项)
	Clinical Biochemistry	临床生物化学
EI	Biochemistry	生物化学
	Biochemistry, Genetics and Molecular Biology (all)	生物化学, 遗传学和分子生物学 (全部)
	Biochemistry, Genetics and Molecular Biology (miscellaneous)	生物化学, 遗传学和分子生物学 (杂项)
	Clinical Biochemistry	临床生物化学
MEDLINE	Biochemistry	生物化学
KCI	Biochemistry	生物化学
RSCI	Biological chemistry	生物化学

6.2.8.6 Q18021 Cell Biology

Discipline Description:

Cell biology studies the cell structure and function and various laws of life at microscopic, submicroscopic, and molecular levels.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Cell Biology (18021)	细胞生物学 (18021)
CLC	Cell Biology (Q2)	细胞生物学 (Q2)
WOS	Cell Biology	细胞生物学
SCOPUS	Cell Biology	细胞生物学
EI	Cell Biology	细胞生物学
MEDLINE	Cell Biology	细胞生物学
RSCI	Cytology	细胞学

6.2.8.7 Q18024 Physiology

Discipline Description:

Physiology studies the functions of living organisms, especially the functions of components

constituting the organisms and the internal mechanism. General physiology is included while medically related physiology is categorized into human physiology.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Physiology (18024)	生理学 (18024)
CLC	Physiology (Q4)	生理学 (Q4)
WOS	Physiology	生理
SCOPUS	Physiology	生理
EI	Physiology	生理
MEDLINE	Physiology	生理
RSCI	Physiography	生理学

6.2.8.8 Q1802421 Respiratory Physiology

Discipline Description:

Studies on respiratory system and physiology are mainly encompassed.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Respiratory Physiology (1802421)	呼吸生理学 (1802421)
CLC	Respiratory Physiology (Q47)	呼吸生理学 (Q47)
WOS	Respiratory System	呼吸系统

6.2.8.9 Q1802437 Sensory Physiology

Discipline Description:

This discipline is the study of sensory system and physiology, involving hearing, sight, perception, etc.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Sensory Physiology (1802437)	感官生理学 (1802437)
CLC	Sensory Physiology (Q43)	分析器生理学 (感官生理学) (Q43)
SCOPUS	Sensory Systems	感官系统
EI	Sensory Systems	感官系统
KCI	Affective Science	情感科学

6.2.8.10 Q1802441 Reproductive Biology

Discipline Description:

Journals on reproductive physiology that deals with the main functions of each part of the reproductive organs and the body's regulation of these functional activities can be categorized into

this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Reproductive Physiology (1802441)	生殖生理学 (1802441)
CLC	Reproductive Physiology (Q492)	生殖生理学 (Q492)
WOS	Reproductive Biology	生殖生物学
SCOPUS	Reproductive Medicine	生殖医学
MEDLINE	Reproductive Medicine	生殖医学

6.2.8.11 Q1802467 Audiology and Speech-Language Pathology

Discipline Description:

Basic and clinical studies on speech, language, communication and hearing impairments, as well as audiological studies related to above-mentioned disorders and corresponding clinical managements (diagnosis, prevention and treatment) can be categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Speech-Language Physiology (1802467)	语言生理学 (1802467)
CLC	Voice Medicine and Speech Medicine (R767.92)	嗓音医学、语言医学 (R767.92)
	Vocal cord Disorders (R767.4)	声带疾病 (R767.4)
	Auricular System Diseases (R764.4)	耳神经系疾病 (R764.4)
	Auricular System Diseases (R764.5)	病理听力学及助听器 (R764.5)
WOS	Audiology and Speech-Language Pathology	听力学与言语语言病理学
SCOPUS	Speech and Hearing	言语与听力
EI	Speech and Hearing	言语与听力
MEDLINE	Audiology	听觉学
	Speech-Language Pathology	言语病理学

6.2.8.12 Q18027 Developmental Biology

Discipline Description:

Journals on biomorphology, embryology and histology can be categorized into this discipline, which is the study of the laws of spermatogenesis and oogenesis, fertilization, development, growth, senescence and death.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Developmental Biology (18027)	发育生物学 (18027)
CLC	General Embryology (Q132)	普通胚胎学 (Q132)
WOS	Developmental Biology	发育生物学
SCOPUS	Developmental Biology	发育生物学
	Embryology	胚胎学
RSCI	Embryology	胚胎学

6.2.8.13 Q18031 Genetics

Discipline Description:

Journals on theoretical approaches of genetics and variation and hybridization can be categorized into this discipline, which is the study of biological inheritance and variation, involving the gene structure, function and variation, as well as transmission and expression.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Genetics (18031)	遗传学 (18031)
CLC	Genetics (Q3)	遗传学 (Q3)
	Genetic Disease (R596)	遗传性疾病 (R596)
WOS	Genetics and Heredity	遗传与遗传特征
	Molecular Biology and Genetics	分子生物学与遗传学
SCOPUS	Genetics	遗传学
	Genetics(clinical)	遗传学 (临床)
	General Biochemistry, Genetics and Molecular Biology	普通生物化学, 遗传学和分子生物学
	Biochemistry, Genetics and Molecular Biology (miscellaneous)	生物化学, 遗传学和分子生物学 (杂项)
EI	Genetics	遗传学
	Biochemistry, Genetics and Molecular Biology (all)	生物化学, 遗传学和分子生物学 (全部)
	Biochemistry, Genetics and Molecular Biology (miscellaneous)	生物化学, 遗传学和分子生物学 (杂项)
MEDLINE	Genetics	遗传学
	Genetics, Medical	遗传学, 医学
RSCI	Genetics	遗传学

6.2.8.14 Q18037 Molecular Biology

Discipline Description:

This discipline studies the structure and function of biological macromolecules at the

molecular level to clarify the essence of life phenomena, including genomics (like structural genomics and nutrigenomics), RNomics, proteomics, metabolomics, and bio-informatics and molecular biology.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Molecular Biology (18037)	分子生物学 (18037)
CLC	Molecular Biology (Q7)	分子生物学 (Q7)
WOS	Biochemistry and Molecular Biology	生物化学与分子生物学
	Molecular Biology and Genetics	分子生物学与遗传学
SCOPUS	General Biochemistry, Genetics and Molecular Biology	普通生物化学, 遗传学和分子生物学
	Biochemistry, Genetics and Molecular Biology (miscellaneous)	生物化学, 遗传学和分子生物学 (杂项)
	Molecular Biology	分子生物学
EI	Molecular Biology	分子生物学
	Biochemistry, Genetics and Molecular Biology(all)	生物化学, 遗传学和分子生物学 (全部)
	Biochemistry, Genetics and Molecular Biology (miscellaneous)	生物化学, 遗传学和分子生物学 (杂项)
MEDLINE	Molecular Biology	分子生物学
RSCI	Molecular Biology	分子生物学

6.2.8.15 Q1803910 Aquatic Biology

Discipline Description:

Journals on morphology, classification and ecology of aquatic plants and animals can be categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Aquatic Biology (1803910)	水生生物学 (1803910)
CLC	Aquatic Biology (Q17)	水生生物学 (Q17)
WOS	Marine and Freshwater Biology	海洋与淡水生物学
SCOPUS	Aquatic Science	水生科学
EI	Aquatic Science	水生科学

6.2.8.16 Q1803920 Conservation Biology

Discipline Description:

This discipline is the study of protection of biological species and ecosystem resources, involving conservation ecology, biological protection, paleontology, natural science, etc.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Conservation Biology (1803920)	保护生物学 (1803920)
CLC	Conservation Biology (Q16)	保护生物学 (Q16)
WOS	Biodiversity Conservation	生物多样性保护

6.2.8.17 Q18041 Evolution Theory, Biological System Development

Discipline Description:

Journals on evolution theory and biological system can be categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Biological Evolutionism (18041)	生物进化论 (18041)
CLC	Evolution Theory and Biological System Development (Q111)	进化论、生物系统发育 (Q111)
WOS	Evolutionary Biology	进化生物学
SCOPUS	Ecology, Evolution, Behavior and Systematics	生态, 进化, 行为与系统学
EI	Ecology, Evolution, Behavior and Systematics	生态, 进化, 行为与系统学

6.2.8.18 Q18044 Ecology

Discipline Description:

Journals on ecology can be categorized into this discipline, which is the study of interactions between organisms and their surroundings (including abiotic and biotic factors), involving the plant, animal, human, marine, and microbial ecology as well as related ecosystem resources.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Ecology (18044)	生态学 (18044)
CLC	Ecology (Bioecology) (Q14)	生态学 (生物生态学) (Q14)
WOS	Ecology	生态
SCOPUS	Ecology	生态
	Ecological Modelling	生态建模
EI	Ecology	生态
	Ecological Modelling	生态建模
RSCI	Ecology	生态

6.2.8.19 Q18047 Neuroscience

Discipline Description:

Journals on neuroscience that deals with the brain, neurophysiology, and health and diseases can be categorized into this discipline, including neurobiophysics, neurobiochemistry,

neuromorphology, cell neurobiology, neurophysiology, developmental neurobiology, molecular neurobiology, comparative neurobiology, systems neurobiology, and neurobiology.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Neurobiology (18047)	神经生物学 (18047)
CLC	Neuroscience (Q189)	神经科学 (Q189)
WOS	Neurosciences	神经科学
	Neuroscience and Behavior	神经科学与行为
SCOPUS	General Neuroscience	一般神经科学
	Neuroscience (miscellaneous)	神经科学 (杂项)
	Behavioral Neuroscience	行为神经科学
	Cognitive Neuroscience	认知神经科学
	Developmental Neuroscience	发展神经科学
EI	Neuroscience (all)	神经科学 (全部)
	Neuroscience (miscellaneous)	神经科学 (杂项)
	Behavioral Neuroscience	行为神经科学
	Cognitive Neuroscience	认知神经科学

6.2.8.20 Q1804725 Cellular and Molecular Neuroscience

Discipline Description:

Journals on cells, neurocytes, and molecular neuroscience can be categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Cellular Neurobiology (1804725)	细胞神经生物学 (1804725)
	Developmental Neurobiology (1804735)	发育神经生物学 (1804735)
	Molecular Neurobiology (1804740)	分子神经生物学 (1804740)
CLC	Structure and Function of Nerve Cells (Neurons) and Glial Cells (Q421)	神经细胞 (神经元)、神经胶质的结构和功能 (Q421)
SCOPUS	Cellular and Molecular Neuroscience	细胞与分子神经科学
EI	Cellular and Molecular Neuroscience	细胞与分子神经科学

6.2.8.21 Q18051 Botany

Discipline Description:

Journals on botany and its related fields, involving plant morphology, classification, physiology, ecology, distribution, occurrence, genetics and evolution, can be categorized into this

discipline, which helps the development, utilization, transformation and protection of plant resources and allows plants to provide more food, fiber, medicine, and building materials for human beings.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Botany (18051)	植物学 (18051)
CLC	Botany (Q94)	植物学 (Q94)
WOS	Plant Sciences	植物科学
	Plant and Animal Science	植物与动物科学
SCOPUS	Plant Science	植物科学
EI	Plant Science	植物科学
MEDLINE	Botany	植物学
RSCI	Botany	植物学

6.2.8.22 Q1805140 Plant Physiology

Discipline Description:

Journals on plant physiology can be categorized into this discipline. Plant physiology is the study of the laws, mechanisms, regulation and control of plant material metabolism, energy conversion, growth and development, and the influence of plant internal and external environmental conditions on its life activities, involving photosynthesis, plant metabolism, plant respiration, plant water physiology, plant mineral nutrition, translocation in plant, growth and development, stress resistance and plant movement. The related fields include plant nutrition, metabolism and respiration, plant growth, plant development, plant propagation, plant reproductive physiology and sensitivity, plant movement, stress physiology, and plant physiological ecology.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Plant Physiology (including Plant Nutrition) (1805140)	植物生理学 (包括植物营养学) (1805140)
	Plant Auxology (including Phytopalynology) (1805150)	植物发育学 (包括植物孢粉学) (1805150)
CLC	Plant Physiology (Q945)	植物生理学 (Q945)
RSCI	Plant Physiology	植物生理学
	Plant Growing	植物生长

6.2.8.23 Q1805185 Parasitology

Discipline Description:

Journals on many aspects of parasites and organisms that live on or within hosts (other organisms) can be categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Plant Parasitology (1805185)	植物寄生虫学 (1805185)
CLC	Parasitology (Q18)	寄生生物学 (Q18)
WOS	Parasitology	寄生虫学
SCOPUS	Parasitology	寄生虫学
MEDLINE	Parasitology	寄生虫学

6.2.8.24 Q18054 Entomology

Discipline Description:

Entomology is a study of insect, and resources related to entomology can be categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Entomology (18054)	昆虫学 (18054)
CLC	Entomology (Q96)	昆虫学 (Q96)
WOS	Entomology	昆虫学
SCOPUS	Insect Science	昆虫科学
EI	Insect Science	昆虫科学

6.2.8.25 Q18057 Zoology

Discipline Description:

Journals on zoology, zoological research and experiments, animal evolution and development, animal cytology, animal genetics, animal morphology, animal ecology and animal geography, animal taxonomy (systematic zoology), and applied zoology (economic zoology) can be categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Zoology (18057)	动物学 (18057)
CLC	Zoology (Q95)	动物学 (Q95)
WOS	Zoology	动物学
	Plant and Animal Science	植物与动物科学
	Agriculture, Dairy and Animal Science	农业, 奶业与动物科学
SCOPUS	Animal Science and Zoology	动物科学与动物学
	Small Animals	小动物

EI	Animal Science and Zoology	动物科学与动物学
MEDLINE	Zoology	动物学
RSCI	Zoology	动物学

6.2.8.26 Q1805744 Animal Ecology and Zoogeography

Discipline Description:

Journals on animal ecology and zoogeography can be categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Animal Ecology (1805717)	动物形态学 (1805717)
	Animal Ecology (1805744)	动物生态学 (1805744)
CLC	Animal Ecology and Zoogeography (Q958)	动物生态学和动物地理学 (Q958)
RSCI	Morphology of Humans and Animals	人和动物的形态

6.2.8.27 Q1805757 Animal Taxonomy

Discipline Description:

This discipline is the study of animal species, genetic relationship between species, as well as origin and evolution of animal kingdom.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Animal Taxonomy (1805757)	动物分类学 (1805757)
CLC	Animal Taxonomy (Systematic Zoology) (Q959)	动物分类学(系统动物学)(Q959)

6.2.8.28 Q18057B Ornithology

Discipline Description:

Journals on ornithology can be categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CLC	Aves (Q959.7)	鸟纲 (Q959.7)
WOS	Ornithology	鸟类学

6.2.8.29 Q18061 Microbiology

Discipline Description:

Microbiology is the study of the laws of life activities such as microbial morphology, physiology and biochemistry, genetic variation, ecological distribution, and classification and evolution, which can be applied to practical fields like industrial fermentation, medical hygiene,

bioengineering, and environmental protection. The related fields include microbial biochemistry, microbial physiology, microbial genetics, microbial ecology, microbial immunology, microbial taxonomy, mycology, bacteriology, applied and environmental microbiology, and other aspects of microbiology.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Microbiology (18061)	微生物学 (18061)
CLC	Microbiology (Q93)	微生物学 (Q93)
WOS	Microbiology	微生物学
	Biotechnology and Applied Microbiology	生物技术与应用微生物学
SCOPUS	Microbiology	微生物学
	General Immunology and Microbiology	一般免疫学和微生物学
	Immunology and Microbiology (miscellaneous)	免疫学和微生物学 (杂项)
	Applied Microbiology and Biotechnology	应用微生物学与生物技术
EI	Microbiology	微生物学
	Immunology and Microbiology (all)	免疫学和微生物学 (全部)
MEDLINE	Microbiology	微生物学
KCI	Microbiology	微生物学
RSCI	Microbiology	微生物学

6.2.8.30 Q1806140 Mycology

Discipline Description:

Journals on mycology can be categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Mycology (1806140)	真菌学 (1806140)
CLC	Eumycota (Q949.32)	真菌门 (Q949.32)
WOS	Mycology	真菌学

6.2.8.31 Q18064 Virology

Discipline Description:

Journals on virology can be categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Virology (18064)	病毒学 (18064)
CLC	Virus (Filterable Virus) (Q939.4)	病毒 (滤过性病毒) (Q939.4)
	Human Virology (Causative Virus) (R373)	人体病毒学 (致病病毒) (R373)
WOS	Virology	病毒学
SCOPUS	Virology	病毒学
MEDLINE	Virology	病毒学
RSCI	Virology	病毒学

6.2.8.32 Q18067 Anthropology

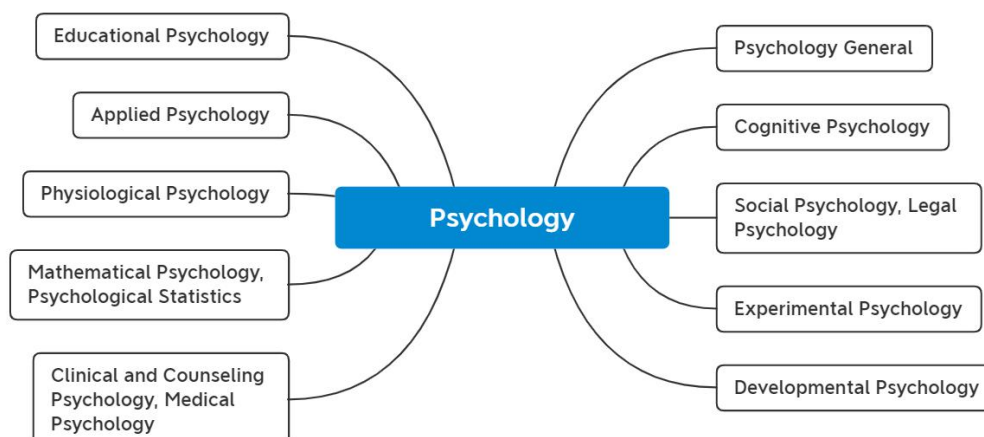
Discipline Description:

Journals on anthropological theory and methodology, paleoanthropology, ethnography, physical anthropology, anthropometry, molecular anthropology, human genetics, human ecology, and applied anthropology can be categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Anthropology (18067)	人类学 (18067)
CLC	Anthropology (Q98)	人类学 (Q98)
WOS	Anthropology	人类学
SCOPUS	Anthropology	人类学
JST	Anthropology, History and Geography	人类学, 历史与地理
KCI	Anthropology	人类学
RSCI	Anthropology	人类学
	Environmental Protection. Human Ecology	人类生态学
	Ethnography and Historical Anthropology	人种学与历史人类学

6.2.9 N010 Psychology



6.2.9.1 QX190 Psychology General

Discipline Description:

Journals on psychology with no specific disciplines can be categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Psychology (190)	心理学 (190)
CLC	Psychology (B84)	心理学 (B84)
WOS	Psychology	心理学
	Psychology, Multidisciplinary	心理学, 多学科
	Psychology, Biological	心理学, 生物
	Behavioral Sciences	行为科学
SCOPUS	General Psychology	一般心理学
	Psychology (miscellaneous)	心理学 (杂项)
EI	Psychology (all)	心理学 (全部)
MEDLINE	Psychology	心理学
KCI	Psychological Science	心理科学
RSCI	Psychology	心理学
	General Psychology Issues	一般心理学问题
	General psychology	一般心理学

6.2.9.2 QX19015 Cognitive Psychology

Discipline Description:

This discipline is the study of all cognitive processes such as cognition, sensation and perception, learning and memory, representation and imagination, speech and thinking, emotions and feelings, consciousness and subconsciousness, and personality psychology also falls into this

category.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Cognitive Psychology (19015)	认知心理学 (19015)
CLC	Cognition (B842.1)	认知 (B842.1)
SCOPUS	Cognitive Neuroscience	认知神经科学
	Experimental and Cognitive Psychology	实验与认知心理学
EI	Cognitive Neuroscience	认知神经科学
	Experimental and Cognitive Psychology	实验与认知心理学
KCI	Cognitive Science	认知科学

6.2.9.3 QX19020 Social Psychology, Legal Psychology

Discipline Description:

This discipline is the study of psychological and behavioral occurrence and change laws of individuals and groups in social interaction. Legal psychology is a branch of applied social psychology that studies the laws of people's mental activities related to legal system, which is a marginal discipline between law and psychology, involving family psychology, marital psychology, interpersonal psychology, moral psychology, social psychology and other aspects.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Social Psychology (19020)	社会心理学 (19020)
CLC	Criminal Psychology (D917.2)	犯罪心理学 (D917.2)
	Criminal Sociology (D917.3)	犯罪社会学 (D917.3)
	Social Mind and Social Behavior (C912.6)	社会心理、社会行为 (C912.6)
WOS	Psychology, Social	社会心理学
SCOPUS	Social Psychology	社会心理学
RSCI	Social Psychology	社会心理学

6.2.9.4 QX19025 Experimental Psychology

Discipline Description:

This discipline is the study of psychological research methods, electrophysiological techniques, mathematical psychology, psychological statistics, experimental psychology, experimental methods, observation methods, psychological tests, etc.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
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Classification system	Discipline (English)	Discipline (Chinese)
CCD	Experimental Psychology (19025)	实验心理学 (19025)
CLC	Psychological Research Methods (B841)	心理学研究方法 (B841)
WOS	Psychology, Experimental	实验心理学
SCOPUS	Experimental and Cognitive Psychology	实验与认知心理学
RSCI	Experimental and Cognitive Psychology	实验与认知心理学

6.2.9.5 QX19030 Developmental Psychology

Discipline Description:

Journals on animal (comparative) psychology, child psychology, midlife psychology and geriatric psychology can be categorized into this discipline, which takes child (including adolescent) psychology as the main content and covers infant psychology, child psychology, women psychology, geriatric psychology (including lifespan psychology), and other aspects.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Developmental Psychology (19030)	发展心理学 (19030)
CLC	Developmental Psychology (Human Psychology) (B844)	发展心理学 (人类心理学) (B844)
WOS	Psychology, Development	心理学, 发展
SCOPUS	Developmental and Educational Psychology	发展与教育心理学
EI	Developmental and Educational Psychology	发展与教育心理学
RSCI	Developmental psychology. Age-related psychology. Comparative psychology	发展心理学.与年龄有关的心理学.比较心理学

6.2.9.6 QX19042 Clinical and Counseling Psychology, Medical Psychology

Discipline Description:

Journals on clinical psychology, counseling psychology, medical psychology, pathological psychology, psychotherapy, and mental health can be categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Clinical and Counseling	临床与咨询心理学 (19042)

Classification system	Discipline (English)	Discipline (Chinese)
	Psychology (19042)	
CLC	Medical Psychology (R395.1)	医学心理学 (R395.1)
WOS	Psychology, Clinical	临床心理学
SCOPUS	Clinical Psychology	临床心理学

6.2.9.7 QX19046 Mathematical Psychology, Psychological Statistics

Discipline Description:

Journals on the application of mathematical statistics in psychology can be categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Psychological Statistics (19046)	心理统计 (19046)
CLC	Mathematical Psychology, Psychological Statistics (B841.2)	数理心理学、心理统计法 (B841.2)
WOS	Psychology, Mathematical	心理学, 数学

6.2.9.8 QX19050 Physiological Psychology

Discipline Description:

Journals on physiological psychology can be categorized into this discipline. Physiological psychology is the study that deals with the physiological basis of mental activities and brain mechanisms, involving the evolution of brain and behaviors, the anatomy and development of the brain and its relationship with behavior, as well as the neural processes and mechanisms of cognition, motor control, motivational behaviors, emotional and mental disorders and other psychological phenomena and behaviors. The sensory psychology, comparative psychology, psychoneuroimmunology, psychopharmacology, and other aspects of physiological psychology fall into this category.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Physiological Psychology (19050)	生理心理学 (19050)
CLC	Physiological Psychology (B845)	生理心理学 (B845)
WOS	Psychology, Psychoanalysis	心理学, 精神分析
SCOPUS	Neuropsychology and Physiological Psychology	神经心理学与生理心理学
EI	Neuropsychology and Physiological Psychology	神经心理学与生理心理学

Classification system	Discipline (English)	Discipline (Chinese)
MEDLINE	Psychophysiology	心理生理学

6.2.9.9 QX19065 Applied Psychology

Discipline Description:

Journals on the application of psychology to overcome problems in other fields can be categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Applied Psychology (19065)	应用心理学（19065）
CLC	Applied Psychology (B849)	应用心理学（B849）
WOS	Psychology, Applied	应用心理学
SCOPUS	Applied Psychology	应用心理学
EI	Applied Psychology	应用心理学
RSCI	Applied Psychology	应用心理学

6.2.9.10 QX19070 Educational Psychology

Discipline Description:

This discipline is a science that studies the basic psychological laws of teachers and students in the context of education and teaching, mainly involving the psychological processes in the interaction between teachers and students and the psychological phenomena in the process of teaching and learning.

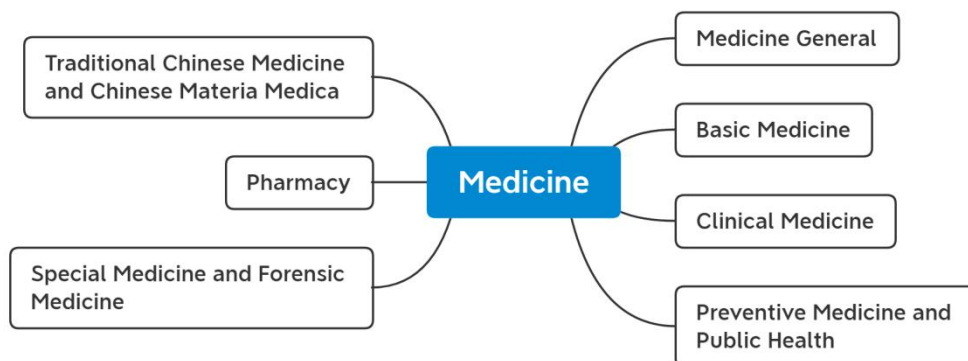
Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Educational Psychology (19070)	教育心理学（19070）
CLC	Educational Psychology (G44)	教育心理学（G44）
WOS	Psychology, Educational	心理学，教育
SCOPUS	Developmental and Educational Psychology	发展与教育心理学
EI	Developmental and Educational Psychology	发展与教育心理学
JST	Psychology, Education	心理学，教育

6.3 Medicine

This part involves 7 Level-2 disciplines, with the discipline codes of R001–R007, among which Clinical Medicine accounts for the largest proportion and covers 42 Level-3 disciplines. By contrast, the Traditional Chinese Medicine and Chinese Materia Medica and Medicine account for

the smallest proportion and both of them covers only one Level-3 discipline.



6.3.1 R001 Medicine

6.3.1.1 R300 Medicine General

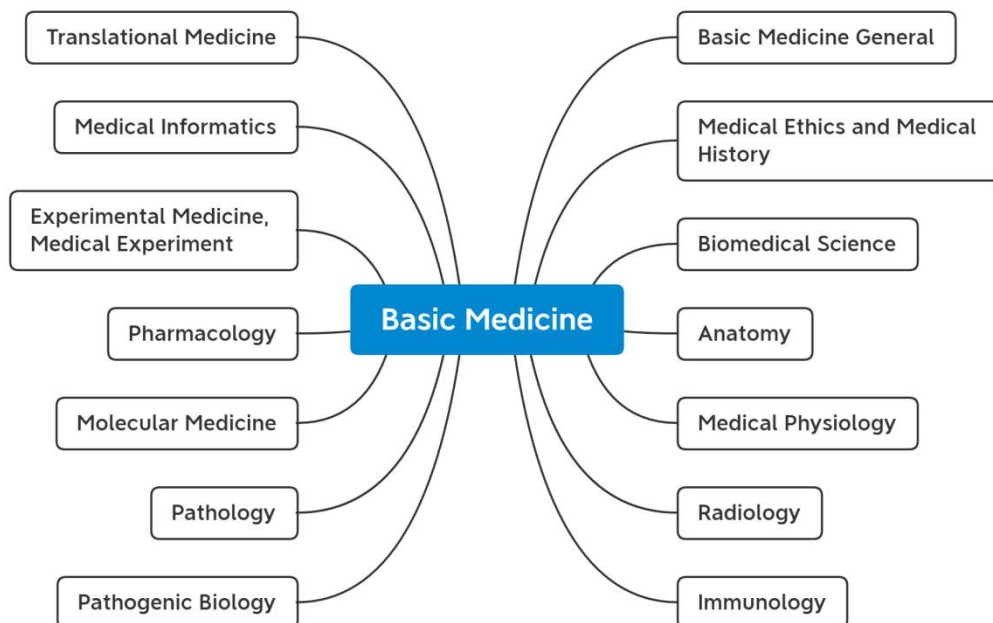
Discipline Description:

Journals on various medical disciplines and specialties including basic medicine, clinical medicine, stomatology, public health and preventive medicine, traditional Chinese medicine, integrated traditional Chinese and western medicine, pharmacy, Chinese materia medica, special medicine, medical technology, and nursing can be categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CLC	Medicine, Health (R)	医药、卫生 (R)
SCOPUS	Medicine (miscellaneous)	医药 (杂项)
EI	Medicine (all)	医学 (全部)
	Medicine (miscellaneous)	医药 (杂项)
MEDLINE	Medicine	医学

6.3.2 R002 Basic Medicine



6.3.2.1 R310 Basic Medicine General

Discipline Description:

Journals on various basic medical disciplines and specialties including human anatomy, histology and embryology, physiology, biochemistry, pathogenic microbiology, immunology, pathology, pathophysiology, pharmacology, toxicology, molecular biology, cell biology and epidemiology can be categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Basic Medicine (310)	基础医学 (310)
CLC	Basic Medicine (R3)	基础医学 (R3)
SCOPUS	General Medicine	基础医学
KCI	General Medicine	基础医学

6.3.2.2 R31010 Medical Ethics and Medical History

Discipline Description:

Journals publish professional papers related to medical ethics and history of medicine .

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CLC	Medical Ethics(R-052)	医学伦理学 (R-052)
	History of Medicine(R-09)	医学史 (R-09)
WOS	Medical Ethics	医学伦理
MEDLINE	History of Medicine	医学史

6.3.2.3 R31011 Biomedical Science

Discipline Description:

This discipline is a cutting-edge cross-discipline developed by integrating the various medicine, life sciences, and biology. It mainly involves biology-related issues in medicine.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
RSCI	Biomedical disciplines	生物医学
	Safety and biomedical problems of space flights	太空飞行中的安全和生物医学问题
	Biomedical foundations of physical education and sport	体育和运动的生物医学基础

6.3.2.4 R31014 Anatomy

Discipline Description:

This discipline mainly includes human anatomy, anatomical physiology, human histology, human embryology, sectional anatomy, digital anatomy, neuroanatomy, pathology, and constitutionology.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Human Anatomy (31014)	人体解剖学 (31014)
CLC	Human Anatomy (R322)	人体解剖学 (R322)
WOS	Anatomy and Morphology	解剖学与形态学
SCOPUS	Anatomy	解剖学
MEDLINE	Anatomy	解剖学
KCI	Anatomy	解剖学

6.3.2.5 R31021 Medical Physiology

Discipline Description:

All resources on physiology and medicine, including human organ physiology, can be categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Human Physiology (31021)	人体生理学 (31021)

Classification system	Discipline (English)	Discipline (Chinese)
CLC	Human Physiology (R33)	人体生理学 (R33)
SCOPUS	Physiology (medical)	生理学 (医学)
EI	Physiology (medical)	生理学 (医学)
MEDLINE	Physiology	生理学 (医学)

6.3.2.6 R31031 Radiology

Discipline Description:

This discipline is the study of basic theories of radiology, radiology (X-ray), X-ray anatomy, X-ray diagnostics, radiotherapy, X-ray diagnosis and treatment of various parts and diseases, application of radioisotopes in medicine, radiation diseases, radiation injury, etc. Nuclear medicine also falls into this category.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Radiology (31031)	放射医学 (31031)
CLC	Radiology (R81)	放射医学 (R81)
WOS	Radiology, Nuclear Medicine and Medical Imaging	放射学, 核医学与医学影像
SCOPUS	Radiology Nuclear Medicine and Imaging	放射学, 核医学与影像学
EI	Radiology, Nuclear Medicine and Imaging	放射学, 核医学与影像学
MEDLINE	Radiology	放射学
	Radiotherapy	放射疗法
KCI	Radiology	放射学

6.3.2.7 R31034 Immunology

Discipline Description:

Journals on immunology can be categorized into this discipline. Immunology is a biomedical science that studies the immune response of organisms to antigenic substances and the corresponding methods. Immune response refers to the body's response to antigen stimulation, which is also a biological process of identifying and eliminating antigenic substances.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Human Immunology (31034)	人体免疫学 (31034)
	Immunology (18022)	免疫学 (18022)
CLC	Medical Immunology (R392)	医学免疫学 (R392)
WOS	Immunology	免疫学
SCOPUS	Immunology	免疫学

Classification system	Discipline (English)	Discipline (Chinese)
	Immunology and Allergy	免疫学与变态反应学
	General Immunology and Microbiology	一般免疫学和微生物学
	Immunology and Microbiology (miscellaneous)	免疫学和微生物学 (杂项)
EI	Immunology and Allergy	免疫学与变态反应学
	Immunology	免疫学
	Immunology and Microbiology (all)	免疫学和微生物学 (全部)
MEDLINE	Allergy and Immunology	变态反应学与免疫学
KCI	Immunology	免疫学
RSCI	Immunology	免疫学

6.3.2.8 R31037 Pathogenic Biology

Discipline Description:

This discipline is the study of biological laws and pathogenic mechanisms of disease-related microorganisms (including viruses, bacteria, rickettsia, chlamydia, etc.) and parasites (including protozoa, worms, and medical arthropods) as well as their interaction with hosts.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Medical Parasitology (31037)	医学寄生虫学 (31037)
	Medical Microbiology (31041)	医学微生物学 (31041)
CLC	Medical Microbiology (Pathogeny Bacteriology, Pathogeny Microbiology) (R37)	医学微生物学 (病原细菌学、病原微生物学) (R37)
	Medical Helminthology (R383)	医学蠕虫学 (R383)
SCOPUS	Microbiology (medical)	微生物学 (医学)
EI	Microbiology (medical)	微生物学 (医学)

6.3.2.9 R31044 Pathology

Discipline Description:

This discipline is a basic medical science that studies the causes, pathogenesis, and developmental laws of human diseases, the body's morphological structure and functional metabolic changes during the disease process, as well as the disease outcomes.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Pathology (31044)	病理学 (31044)

CLC	Pathology (R36)	病理学 (R36)
WOS	Pathology	病理学
SCOPUS	Pathology and Forensic Medicine	病理与法医
	Pathophysiology	病理生理学
EI	Pathology and Forensic Medicine	病理与法医
MEDLINE	Pathology	病理学
KCI	Clinical Pathology	临床病理学
	Pathology	病理学

6.3.2.10 R3104485 Molecular Medicine

Discipline Description:

Journals on molecular medicine can be categorized into this discipline. Molecular medicine is the application of molecular biology in medicine to explain the genome, genes, gene transcription and regulation, cell cycle and signal transcription, the molecular mechanism of pathological changes in diseases and their key research techniques at the molecular level, which is applicable to genetic diagnosis, gene therapy and gene (protein) engineering in new drug development.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Molecular Pathology (3104485)	分子病理学 (3104485)
SCOPUS	Molecular Medicine	分子医学
EI	Molecular Medicine	分子医学

6.3.2.11 R31047 Pharmacology

Discipline Description:

Journals on pharmacology can be categorized into this discipline. Pharmacology mainly includes two aspects, namely, pharmacodynamics and pharmacokinetics. It is the study of the effects and action principles of drugs on the body, as well as the absorption, distribution, biotransformation and excretion of drugs in the body.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Pharmacology (31047)	药理学 (31047)
CLC	Pharmacology (R285)	药理学 (R285)
WOS	Pharmacology and Pharmacy	药理与药学
	Pharmacology and Toxicology	药理毒理学
SCOPUS	Pharmacology	药理学
	General Pharmacology, Toxicology and Pharmaceutics	普通药理, 毒理学和药物学
	Pharmacology (medical)	药理学 (医学)

Classification system	Discipline (English)	Discipline (Chinese)
EI	Pharmacology	药理学
	Pharmacology (medical)	药理学 (医学)
MEDLINE	Pharmacology	药理学
KCI	Pharmacology	药理学
RSCI	Pharmacology	药理学

6.3.2.12 R31051 Experimental Medicine, Medical Experiment

Discipline Description:

Journals on medical experiments, experimental pathology, and medical experimental zoology can be categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Medical Experimental Zoology (31051)	医学实验动物学 (31051)
CLC	Experimental Medicine, Medical Experiment (R-33)	实验医学、医学实验 (R-33)
WOS	Medicine, Research and Experimental	医学, 研究与实验
MEDLINE	Laboratory Animal Science	实验动物科学
	Clinical Laboratory Techniques	临床实验室技术

6.3.2.13 R31057 Medical Informatics

Discipline Description:

Journals on medical informatics can be categorized into this discipline. Medical informatics is a combination of medicine and computer science that studies the theories and methods for the collection, processing, storage, retrieval, transmission, utilization and management of medical information, involving the bioinformatics, pharmaceutical informatics, public health informatics, medical graphic informatics, etc.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Medical Statistics (31057)	医学统计学 (31057)
CLC	Medical Informatics (R-058)	医学信息学 (R-058)
WOS	Medical Informatics	医学信息学
SCOPUS	Health Informatics	卫生信息学
	Health Information Management	卫生信息管理
EI	Health Informatics	卫生信息学

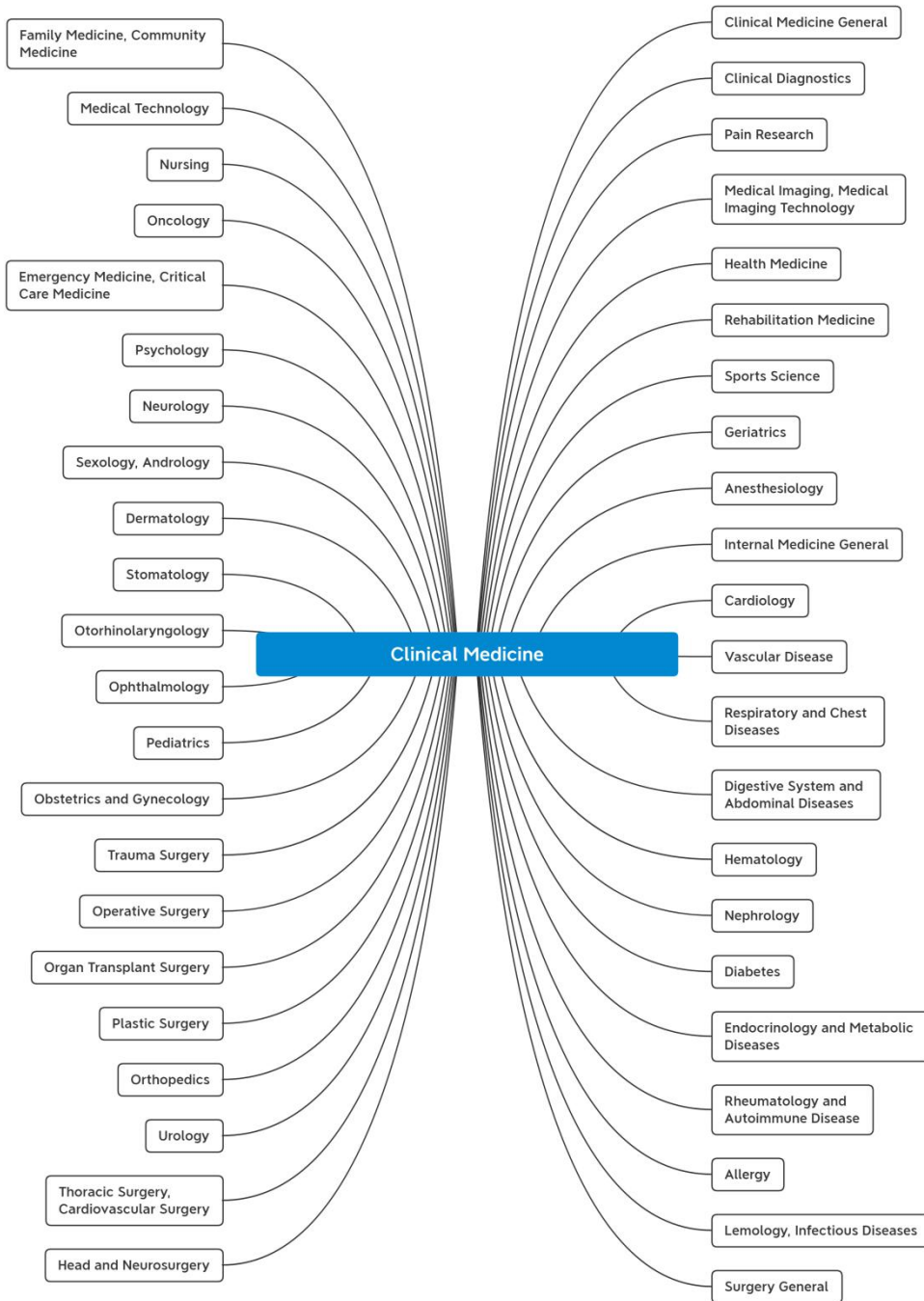
Classification system	Discipline (English)	Discipline (Chinese)
	Health Information Management	卫生信息管理
MEDLINE	Medical Informatics	医学信息学

6.3.2.14 R31099 Translational Medicine

Discipline Description:

This cross-discipline discipline is a new way of thinking that connects basic medicine research and clinical medicine treatment.

6.3.3 R003 Clinical Medicine



6.3.3.1 R320 Clinical Medicine General

Discipline Description:

Journals on various clinical disciplines including pneumology, gastroenterology, endocrinology, neurology, general surgery, neurosurgery, hepatobiliary surgery, obstetrics and gynecology, pediatrics, and infectious diseases can be categorized into this discipline. Such paper

types as case reports, case series reports, observational clinical trials, experimental clinical trials, epidemiological studies and secondary studies are preferred.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Clinical Medicine (320)	临床医学 (320)
CLC	Clinical Medicine (R4)	临床医学 (R4)
WOS	Clinical Medicine	临床医学
JST	Clinical Medicine	临床医学
RSCI	Clinical Medicine	临床医学

6.3.3.2 R32011 Clinical Diagnostics

Discipline Description:

Journals on clinical diagnostics can be categorized into this discipline, involving symptomatic diagnostics, physical diagnostics (physical diagnosis), electrical diagnosis, imaging diagnostics, laboratory diagnosis, differential diagnosis, functional diagnostics, prognosis and labor ability appraisal.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Clinical Diagnostics (32011)	临床诊断学 (32011)
CLC	Diagnostics (R44)	诊断学 (R44)
WOS	Assessment and Diagnosis	评估与诊断
MEDLINE	Diagnostic Imaging	诊断影像
	Perinatology	围诊

6.3.3.3 R3201110 Pain Research

Discipline Description:

This discipline involves basic medicine, clinical medicine, and physiology, etc. Journals on pain research including the cause of pain, the process of pain, and pain treatment.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CLC	Pain(R441.1)	疼痛 (R441.1)
SCOPUS	Anesthesiology and Pain Medicine	麻醉与疼痛医学
EI	Anesthesiology and Pain Medicine	麻醉与疼痛医学

6.3.3.4 R3201140 Medical Imaging, Medical Imaging Technology

Discipline Description:

This discipline is the study of the interaction between a certain medium (X-ray,

electromagnetic field, ultrasound, etc.) and the human body to visualize the structure, density, and function of human organs and tissues and help doctors to properly conduct health status assessment. It can not only be used as a supplementary medical means for diagnosis and treatment but also as a scientific method for life science research. Diagnostic methods mainly include X-ray fluoroscopy, computed tomography (CT), magnetic resonance imaging (MRI), ultrasonography, digital subtraction angiography (DSA), and angiography, and the treatments mainly include interventional therapy, radiofrequency ablation, and radiotherapy.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Medical Imaging (3201140)	医学影像学 (3201140)
CLC	Imaging Diagnostics (R445)	影像诊断学 (R445)
WOS	Radiology, Nuclear Medicine and Medical Imaging	放射, 核医学与医学影像
	Neuroimaging	神经影像学
SCOPUS	Radiological and Ultrasound Technology	放射与超声技术
	Radiology Nuclear Medicine and imaging	放射医学核医学与影像学
EI	Radiological and Ultrasound Technology	放射与超声技术
	Radiology, Nuclear Medicine and Imaging	放射学, 核医学与影像学
MEDLINE	Diagnostic Imaging	诊断影像

6.3.3.5 R32014 Health Medicine

Discipline Description:

This discipline is a science that deals with the impacts of environment on population health and explores the regularity of disease onset, so as to formulate effective preventive measures and achieve health protection and promotion.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Health Medicine (32014)	保健医学 (32014)
CLC	General Healthcare Methods (R161)	一般保健法 (R161)
WOS	Health Care Sciences and Services	卫生保健科学与服务
	Primary Health Care	初级卫生保健
MEDLINE	Primary Health Care	初级卫生保健
RSCI	Medicine and healthcare	医药保健

6.3.3.6 R3201410 Rehabilitation Medicine

Discipline Description:

This discipline is a science that aims to enhance and restore functional ability and quality of life to people with physical impairments or disabilities, involving social rehabilitation, medical rehabilitation (rehabilitation therapy), education rehabilitation, rehabilitation medicine engineering, etc.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Rehabilitation Medicine (3201410)	康复医学 (3201410)
CLC	Rehabilitation Medicine (R49)	康复医学 (R49)
WOS	Rehabilitation	复原
SCOPUS	Rehabilitation	复原
	Physical Therapy, Sports Therapy and Rehabilitation	物理疗法, 运动疗法和康复
EI	Rehabilitation	康复学
	Physical Therapy, Sports Therapy and Rehabilitation	物理疗法, 运动疗法和康复
MEDLINE	Physical and Rehabilitation Medicine	物理与康复医学
	Therapeutics	疗法
KCI	Rehabilitation Medicine	康复医学
	Physical Therapy	物理疗法

6.3.3.7 R3201420 Sports Science

Discipline Description:

Journals on sports science can be categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Sports Medicine (3201420)	运动医学 (3201420)
CLC	Sports Medicine (R87)	运动医学 (R87)
WOS	Sport Sciences	运动科学
SCOPUS	Orthopedics and Sports Medicine	骨科与运动医学
EI	Orthopedics and Sports Medicine	骨科与运动医学
MEDLINE	Sports Medicine	运动药物

6.3.3.8 R3201430 Geriatrics

Discipline Description:

This discipline is the study of aging changes in tissue morphology, physiological function and

biochemical immunity of various organ systems in the elderly, to explore the mechanism of aging and ways to delay aging, involving basic geriatrics, clinical geriatrics, geriatric epidemiology, preventive geriatrics, social geriatrics, etc.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Geriatrics (3201430)	老年医学 (3201430)
CLC	Geriatrics (R592)	老年病学 (R592)
WOS	Geriatrics and Gerontology	老年医学与老年学
	Gerontology	老年学
SCOPUS	Geriatrics and Gerontology	老年医学与老年学
	Ageing	老化
	Gerontology	老年学
EI	Aging	老化
MEDLINE	Geriatrics	老年医学

6.3.3.9 R32021 Anesthesiology

Discipline Description:

Journals on anesthesiology can be categorized into this discipline and related basic research and clinical research papers are preferred.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Anesthesiology (32021)	麻醉学 (32021)
CLC	Anesthesiology (R614)	麻醉学 (R614)
WOS	Anesthesiology	麻醉学
SCOPUS	Anesthesiology and Pain Medicine	麻醉与疼痛医学
EI	Anesthesiology and Pain Medicine	麻醉与疼痛医学
MEDLINE	Anesthesiology	麻醉学
KCI	Anesthesiology	麻醉学

6.3.3.10 R32024 Internal Medicine General

Discipline Description:

This discipline includes respiratory medicine, circulatory system diseases, gastroenterology, urology, hematology, endocrinology and metabolic diseases, infectious diseases, rheumatology and autoimmune diseases, and poisoning. The basic research, clinical research and epidemiological research papers on internal medicine diseases are preferred.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Internal Medicine (R32024)	内科学 (R32024)
CLC	Internal Medicine (R5)	内科学 (R5)
WOS	Medicine, General and Internal	普通内科医学
SCOPUS	Internal Medicine	内科
EI	Internal Medicine	内科
MEDLINE	Internal Medicine	内科
KCI	Internal Medicine	内科

6.3.3.11 R3202410A Cardiology

Discipline Description:

Basic research, clinical research and epidemiological research papers on circulatory system diseases (including heart, blood vessels and lung) can be categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Cardiovasology (3202410)	心血管病学 (3202410)
CLC	Cardiology (R541)	心脏疾病 (R541)
WOS	Cardiac and Cardiovascular System	心血管系统
SCOPUS	Cardiology and Cardiovascular Medicine	心血管内科
EI	Cardiology and Cardiovascular Medicine	心血管内科
MEDLINE	Cardiology	心脏科

6.3.3.12 R3202410B Vascular Diseases

Discipline Description:

This discipline is the study of pathological features, diagnosis, and treatment of blood vessels, involving aortic diseases, pulmonary artery and venous diseases, coronary artery and venous diseases, jugular artery and venous diseases, arterial diseases, venous diseases, and capillary diseases.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Cardiovasology (3202410)	心血管病学 (3202410)
CLC	Vascular Diseases (R543)	血管疾病 (R543)
WOS	Cardiac and Cardiovascular System	心血管系统
	Peripheral Vascular Diseases	周围血管疾病
SCOPUS	Cardiology and Cardiovascular Medicine	心血管内科

Classification system	Discipline (English)	Discipline (Chinese)
EI	Cardiology and Cardiovascular Medicine	心血管内科
MEDLINE	Vascular Diseases	血管疾病

6.3.3.13 R3202415 Respiratory and Chest Diseases

Discipline Description:

This discipline includes pleural and thoracic diseases, tracheal and bronchial diseases, lung diseases, mediastinal diseases, and diaphragmatic diseases. Such journals generally publish professional articles on respiratory and chest diseases.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Respiratory Medicine (3202415)	呼吸病学 (3202415)
CLC	Respiratory and Chest Diseases (R56)	呼吸系及胸部疾病 (R56)
WOS	Respiratory System	呼吸系统
SCOPUS	Pulmonary and Respiratory Medicine	肺和呼吸内科
	Respiratory Care	呼吸保健

6.3.3.14 R3202425 Digestive System and Abdominal Diseases

Discipline Description:

This discipline includes esophageal diseases, abdominal diseases, stomach diseases, intestinal diseases, liver and gall bladder diseases, pancreatic diseases, etc.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Gastroenterology (3202425)	消化病学 (3202425)
CLC	Digestive System and Abdominal Diseases (R57)	消化系及腹部疾病 (R57)
WOS	Gastroenterology and Hepatology	胃肠病学和肝病学
SCOPUS	Gastroenterology	胃肠病学
	Hepatology	肝病学
MEDLINE	Gastroenterology	胃肠病学

6.3.3.15 R3202430 Hematology

Discipline Description:

Journals on blood-related diseases such as hematopoietic system (organ) diseases and blood diseases can be categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Hematology (3202430)	血液病学 (3202430)
CLC	Blood and Lymphatic Diseases (R55)	血液及淋巴系疾病 (R55)
WOS	Hematology	血液病学
SCOPUS	Hematology	血液病学
MEDLINE	Hematology	血液病学

6.3.3.16 R3202435 Nephrology

Discipline Description:

This discipline is the study of the mechanism of kidney and related organs as well as disease treatment.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Nephrology (3202435)	肾脏病学 (3202435)
CLC	Kidney Disease (S941.42+7)	肾脏病 (S941.42+7)
WOS	Gastroenterology and Hepatology	胃肠病学和肝病学
SCOPUS	Nephrology	肾脏病学
MEDLINE	Nephrology	肾脏病学

6.3.3.17 R3202435B Diabetes

Discipline Description:

Journals on basic, clinical and epidemiological research of diabetes can be categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CLC	Diabetes (R587.1)	糖尿病 (R587.1)
SCOPUS	Endocrinology, Diabetes and Metabolism	内分泌学, 糖尿病与代谢
EI	Endocrinology, Diabetes and Metabolism	内分泌学, 糖尿病与代谢

6.3.3.18 R3202440 Endocrinology and Metabolic Diseases

Discipline Description:

Journals on basic, clinical and epidemiological research of endocrine and metabolic diseases can be categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
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Classification system	Discipline (English)	Discipline (Chinese)
CCD	Endocrinology and Metabolic Diseases (3202440)	内分泌病学与代谢病学(3202440)
CLC	Endocrine Adenopathy and Metabolic Diseases (R714.256)	内分泌腺病及代谢病 (R714.256)
WOS	Endocrinology and Metabolism	内分泌与代谢
SCOPUS	Endocrinology	内分泌学
	Endocrinology, Diabetes and Metabolism	内分泌学, 糖尿病与代谢
	Endocrine and Autonomic Systems	内分泌和自主系统
EI	Endocrinology	内分泌学
	Endocrinology, Diabetes and Metabolism	内分泌学, 糖尿病与代谢
MEDLINE	Endocrinology	内分泌学
	Metabolism	代谢

6.3.3.19 R3202445 Rheumatology and Autoimmune Diseases

Discipline Description:

Journals on autoimmune and rheumatic diseases can be categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Rheumatology and Autoimmune Diseases (3202445)	风湿病学与自体免疫病学 (3202445)
CLC	Autoimmune Disease and Connective Tissue Disease (R593.2)	自身免疫性疾病、结缔组织疾病(R593.2)
WOS	Rheumatology	风湿病学
SCOPUS	Rheumatology	风湿病学
MEDLINE	Rheumatology	风湿病学

6.3.3.20 R3202450 Allergy

Discipline Description:

Journals on hypersensitive responses and allergic reactions can be categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Allergy (3202450)	变态反应学 (3202450)

CLC	Allergic Reaction and Hypersensitive Response (R392.8)	变态反应及过敏性反应 (R392.8)
	Allergic Disease (R593.1)	变态反应性疾病 (R593.1)
WOS	Allergy	变态反应学
SCOPUS	Immunology and Allergy	免疫学与变态反应学
EI	Immunology and Allergy	免疫学与变态反应学
MEDLINE	Allergy and Immunology	变态反应学与免疫学

6.3.3.21 R3202460 Lemology, Infectious Diseases

Discipline Description:

Journals on infectious diseases can be categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Infectious Disease (3202455)	感染性疾病学 (3202455)
	Lemology (3202460)	传染病学 (3202460)
CLC	Infectious Disease (R51)	传染病 (R51)
	Tuberculosis (R52)	结核病 (R52)
WOS	Infectious Diseases	传染性疾病
SCOPUS	Infectious Diseases	传染性疾病
MEDLINE	Communicable Diseases	传染病
	Acquired Immunodeficiency Syndrome	获得性免疫缺陷综合症
	Anti-Infective Agents	抗感染剂

6.3.3.22 R32027 Surgery General

Discipline Description:

Surgery, like other clinical medical specialties, is the study of the definition, etiology, clinical phenotype, diagnosis, treatment, prognosis of diseases, especially the surgical indications, preoperative evaluation, surgical techniques and methods, perioperative management, surgical complications, and follow-up treatment and prognosis, etc. Basic research, clinical research and epidemiological research papers related to surgery are preferred.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Surgery (32027)	外科学 (32027)
CLC	Surgery (R6)	外科学 (R6)
WOS	Surgery	外科
SCOPUS	Surgery	外科
EI	Surgery	外科

MEDLINE	General Surgery	普通外科
KCI	General Surgery	普通外科

6.3.3.23 R3202720 Head and Neurosurgery

Discipline Description:

Journals on head and neurosurgery can be categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Neurosurgery (3202720)	神经外科学 (3202720)
	Cranial surgery (3202725)	颅脑外科学 (3202725)
CLC	Head and Neurosurgery (R651)	头部及神经外科学 (R651)
MEDLINE	Neurosurgery	神经外科
	Brain	脑
KCI	Neurosurgery	神经外科
	Brain Science	脑科学

6.3.3.24 R3202730 Thoracic Surgery, Cardiovascular Surgery

Discipline Description:

This discipline mainly studies the diagnosis and surgical treatment of esophageal, lung, and mediastinal diseases, with the breast surgery included recently. Cardiovascular surgery deals with the surgical treatment of cardiovascular diseases and traumas, pericardial diseases, valvular diseases, cardiac tumors, etc. Basic research, clinical research and epidemiological research papers on surgical treatment of the above-mentioned diseases are preferred.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Thoracic Surgery (3202730)	胸外科学 (3202730)
	Cardiovascular Surgery (3202735)	心血管外科学 (3202735)
CLC	Thoracic Surgery (R655)	胸部外科学 (R655)
	Cardiovascular Diseases (R714.252)	心血管疾病 (R714.252)
KCI	Cardiothoracic Surgery	心胸外科

6.3.3.25 R3202740 Urology

Discipline Description:

This discipline is the study of pathogenesis and treatment of urinary system diseases, including ureteral diseases, bladder diseases, abnormal urine components, male genital diseases

and male sexual dysfunction.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Urologic surgery (3202730)	泌尿外科学 (3202730)
CLC	Urology (Urogenital Disease) (R69)	泌尿科学 (泌尿生殖系疾病) (R69)
WOS	Urology and Nephrology	泌尿科与肾脏科
SCOPUS	Urology	泌尿科学
EI	Urology	泌尿科学
MEDLINE	Urology	泌尿科学
KCI	Urology	泌尿科学

6.3.3.26 R3202745 Orthopedics

Discipline Description:

This discipline is the study of the etiology, pathogenesis, pathological process, as well as diagnosis, prevention and treatment techniques and theories of surgical diseases in the motor system composed of spine, four limbs, joints, bones and related spinal nerves, peripheral nerves, blood vessels, muscles, tendons, etc.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Orthopedics (3202745)	骨外科学 (3202745)
CLC	Osteology (Motor System Disease, Orthopedics) (R68)	骨科学 (运动系疾病、矫形外科学) (R68)
	Limbs Surgery (R658)	四肢外科学 (R658)
WOS	Orthopedics	骨外科学
SCOPUS	Chiropractics	脊骨疗法
	Orthopedics and Sports Medicine	骨科与运动医学
	Podiatry	足病学
EI	Orthopedics and Sports Medicine	骨科与运动医学
MEDLINE	Chiropractic	脊骨疗法
	Orthopedics	骨外科学
	Podiatry	足病学
	Osteopathic Medicine	整骨医学
KCI	Orthopedic Surgery	骨外科学

6.3.3.27 R3202755 Plastic Surgery

Discipline Description:

Journals on plastic surgery can be categorized into this discipline, and skin beauty is included in dermatology.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Plastic Surgery (3202755)	整形外科学 (3202755)
CLC	Plastic Surgery (R62)	整形外科学 (R62)
KCI	Plastic Surgery	整形外科

6.3.3.28 R3202760 Organ Transplant Surgery

Discipline Description:

Journals on organ transplant surgery can be categorized into this discipline. Organ transplant surgery is a medical procedure in which the cell, tissue or organ is removed from one body and placed in the body of a recipient, to replace a damaged or missing one.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Organ Transplant Surgery (3202760)	器官移植外科学 (3202760)
CLC	Organ Transplant (R617)	器官移植术 (R617)
	Organ Transplantation (S857.13+4)	器官移植 (S857.13+4)
WOS	Transplantation	移植
SCOPUS	Transplantation	移植
MEDLINE	Transplantation	移植

6.3.3.29 R32027B Surgery

Discipline Description:

This discipline is the study of surgical methods, scope of application, and standards, including operating room and equipment, antibacterial surgery, aseptic technique (sterilization), anesthesiology, basic surgical techniques, specialty surgery, organ transplantation, desmology, treatment before and after surgery, surgical complications, etc.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CLC	Surgery (R61)	外科手术学 (R61)

6.3.3.30 R32027C Trauma Surgery

Discipline Description:

This discipline is the study of mechanism, diagnosis and treatment of trauma.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CLC	Trauma Surgery (R64)	创伤外科学 (R64)
MEDLINE	Traumatology	创伤学

6.3.3.31 R32031 Obstetrics and Gynecology

Discipline Description:

Resources on female reproductive function and women's health can be categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Obstetrics and Gynecology (32031)	妇产科学 (32031)
CLC	Obstetrics and Gynecology (R71)	妇产科学 (R71)
WOS	Obstetrics and Gynecology	妇产科学
SCOPUS	Obstetrics and Gynaecology	妇产科学
	Maternity and Midwifery	产妇和助产士
EI	Obstetrics and Gynecology	妇产科学
MEDLINE	Gynecology	妇科学
	Obstetrics	产科学
	Women's Health	女性健康
KCI	Obstetrics and Gynecology	妇产科学

6.3.3.32 R32034 Pediatrics

Discipline Description:

This discipline is the study of various diseases in children and the corresponding treatments.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Pediatrics (32034)	儿科学 (32034)
CLC	Pediatrics (R72)	儿科学 (R72)
WOS	Pediatrics	儿科
SCOPUS	Pediatrics	儿科
	Pediatrics, Perinatology, and Child Health	儿科, 围产期学和儿童健康
MEDLINE	Pediatrics	儿科
KCI	Pediatrics	儿科

6.3.3.33 R32037 Ophthalmology

Discipline Description:

Journals on ophthalmology can be categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Ophthalmology (32037)	眼科学 (32037)
CLC	Ophthalmology (R77)	眼科学 (R77)
WOS	Ophthalmology	眼科学
SCOPUS	Ophthalmology	眼科学
	Optometry	验光
EI	Ophthalmology	眼科学
MEDLINE	Ophthalmology	眼科学
KCI	Ophthalmology	眼科学

6.3.3.34 R32041 Otorhinolaryngology

Discipline Description:

This discipline is the study of surgery of ear, nose, throat, trachea, esophagus, and other important organs in head and neck.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Otorhinolaryngology (32041)	耳鼻咽喉科学 (32041)
CLC	Otorhinolaryngology (R76)	耳鼻咽喉科学 (R76)
WOS	Otorhinolaryngology	耳鼻咽喉科学
SCOPUS	Otorhinolaryngology	耳鼻咽喉科学
MEDLINE	Otolaryngology	耳鼻咽喉科学
KCI	Otorhinolaryngology	耳鼻咽喉科学

6.3.3.35 R32044 Stomatology

Discipline Description:

This discipline is the scientific study covering the basic theories and knowledge of oral medicine. The personnel in this field are trained in the diagnosis, treatment, and prevention of oral and maxillofacial diseases, and specialize in diagnosing, treating, repairing and preventing health care of common oral diseases and frequently-occurring diseases.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Stomatology (32044)	口腔医学 (32044)

Classification system	Discipline (English)	Discipline (Chinese)
CLC	Stomatology (R78)	口腔科学 (R78)
WOS	Dentistry, Oral Surgery and Medicine	牙科, 口腔外科和医学
SCOPUS	General Dentistry	一般牙科
	Dental Hygiene	口腔卫生
	Periodontics	牙周病
	Oral Surgery	口腔外科
	Orthodontics	正畸
	Dental Assisting	牙科协助
	Dentistry (all)	牙科 (全部)
EI	Dentistry (all)	牙科 (全部)
MEDLINE	Dentistry	牙科学
	Orthodontics	正畸
JST	Dentistry	牙科学
KCI	Dentistry	牙科学

6.3.3.36 R32047 Dermatology

Discipline Description:

Studies of pathology, physiology, inflammation, treatment, and surgery of dermatosis, as well as skin beauty are included.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Dermatology (32047)	皮肤病学 (32047)
CLC	Dermatology (R75)	皮肤病学 (R75)
WOS	Dermatology	皮肤病学
SCOPUS	Dermatology	皮肤病学
EI	Dermatology	皮肤病学
MEDLINE	Dermatology	皮肤病学
KCI	Dermatology	皮肤病学

6.3.3.37 R32051 Sexology, Andrology

Discipline Description:

Research on sexual medicine, sexual ethics, psychology of sex, sex education is included. Andrology is the medical specialty that deals with resources focusing on male morphology and reproductive system development, function, and disease.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
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Classification system	Discipline (English)	Discipline (Chinese)
CCD	Sexual Medicine (32051)	性医学 (32051)
CLC	Gonadal Disorders (R588)	性腺疾病 (R588)
	Male Genital Disease (R697)	男性生殖器疾病 (R697)
	Male Sexual Dysfunction (R698)	男子性功能障碍 (R698)
WOS	Andrology	男科学
MEDLINE	Sexually Transmitted Diseases	性传播疾病

6.3.3.38 R32054 Neurology

Discipline Description:

Journals on neurology are included.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Neurology (32054)	神经病学 (32054)
CLC	Neurology (R741)	神经病学 (R741)
WOS	Clinical Neurology	临床神经病学
SCOPUS	Clinical Neurology	临床神经病学
	Neurology	神经病学
EI	Neurology	神经病学
	Neurology (clinical)	神经病学 (临床)
MEDLINE	Neurology	神经病学
KCI	Neurology	神经病学

6.3.3.39 R32057 Psychology

Discipline Description:

This discipline is a scientific study of the etiology, symptom characteristics, clinical consultation, clinical diagnosis, admission and rehabilitation, social management, judicial appraisal, and mental disorder rating of human mental and development disorders, involving psychiatry, organic mental disorder, physical disease with mental disorder, schizophrenia, affective psychosis, reactive mental disorder, toxic mental disorder, psychoneurosis, paranoid psychosis, personality disorder, psychosomatic disease, mental retardation, childhood mental disorder, and other mental illnesses.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Psychology (32057)	精神病学 (32057)
CLC	Psychology (R749)	精神病学 (R749)
WOS	Psychiatry	精神病学

	Psychiatry/Psychology	精神病学/心理学
SCOPUS	Biological Psychiatry	生物精神病学
	Psychiatric Mental Health	精神心理健康
	Psychiatry and Mental health	精神病与心理健康
EI	Psychiatry and Mental Health	精神病与心理健康
MEDLINE	Psychiatry	精神病学
KCI	Psychiatry	精神病学

6.3.3.40 R32061 Emergency Medicine, Critical Care Medicine

Discipline Description:

Journals on emergency medicine and critical care medicine are categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Emergency Medicine (32061)	急诊医学 (32061)
	Critical Care Medicine (32058)	重症医学 (32058)
CLC	Emergency and Emergent Treatment (R459.7)	急症、急救处理 (R459.7)
	Internal and Emergency Medicine (R825.93)	内科急症 (R825.93)
WOS	Critical Care Medicine	重症监护医学
	Emergency Medicine	急诊医学
SCOPUS	Critical Care	重症监护
	Critical Care and Intensive Care Medicine	重症监护和重症监护医学
	Emergency Medicine	急诊医学
	Emergency	紧急情况
	Emergency Medical Services	紧急医疗服务
EI	Critical Care and Intensive Care Medicine	重症监护和重症监护医学
	Emergency Medicine	急诊医学
MEDLINE	Critical Care	重症监护
	Emergency Medicine	急诊医学
KCI	Emergency Medicine	急诊医学

6.3.3.41 R32067 Oncology

Discipline Description:

This discipline is a scientific study of tumor development mechanism and pathological diagnosis.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Oncology (32067)	肿瘤学 (32067)
CLC	Oncology (R73)	肿瘤学 (R73)
WOS	Oncology	肿瘤学
	Oncogenesis and Cancer Research	肿瘤形成与癌症研究
SCOPUS	Oncology(nursing)	肿瘤学 (护理学)
	Oncology	肿瘤学
	Cancer Research	癌症研究
EI	Oncology	肿瘤学
	Cancer Research	癌症研究
MEDLINE	Neoplasms	肿瘤
	Antineoplastic Agents	抗肿瘤药

6.3.3.42 R32071 Nursing

Discipline Description:

This discipline is a comprehensive applied science that studies nursing theories, knowledge, skills, and development rules for maintaining, promoting, and restoring human health based on natural science and social science.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Nursing (32071)	护理学 (32071)
CLC	Nursing (R47)	护理学 (R47)
WOS	Nursing	护理学
SCOPUS	Critical Care and Intensive Care Medicine	重症监护和重症监护医学
	Nurse Assisting	护士协助
	General Nursing	普通护理
	Care Planning	护理计划
	Community and Home Care	社区和家庭护理
	Advanced and Specialised Nursing	高级和专业护理
EI	Critical Care and Intensive Care Medicine	重症监护和重症监护医学
MEDLINE	Nursing	护理学
KCI	Nursing Science	护理学

6.3.3.43 R32099 Medical Technology

Discipline Description:

Journals on medical technology are categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
WOS	Medical Laboratory Technology	医学实验室技术
SCOPUS	Medical Laboratory Technology	医学实验室技术
EI	Medical Laboratory Technology	医学实验室技术

6.3.3.44 R32099B Family Medicine, Community Medicine

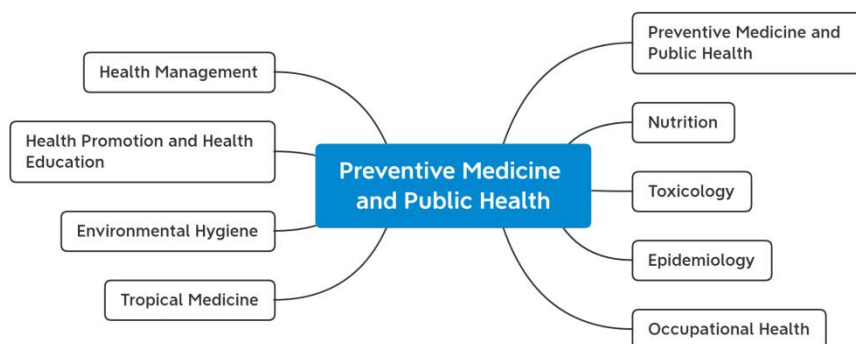
Discipline Description:

This discipline focus on the health of the community population as the research and service objects.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
SCOPUS	Community and Home Care	社区和家庭护理
KCI	Family Medicine	家庭医学

6.3.4 R004 Preventive Medicine and Public Health



6.3.4.1 R330 Preventive Medicine and Public Health

Discipline Description:

Journals on preventive medicine and public health are included, which is a scientific study of nutrition, toxicology, disinfection, epidemiology, vector control, environmental medicine, occupational medicine, tropical medicine, endemiology, social medicine , hygiene inspection, food hygiene, children and school hygiene, maternal and child hygiene, environmental hygiene, labor hygiene, radiation hygiene, sanitary engineering, health economics, health statistics, eugenics, health promotion and health education, health management, preventive medicine and public health, etc.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Preventive Medicine and Public Health (330)	预防医学与公共卫生学 (330)
CLC	Preventive Medicine, Hygiene (R1)	预防医学、卫生学 (R1)
WOS	Public, Environmental and Occupational Health	公共, 环境与职业健康
SCOPUS	Public Health, Environmental and Occupational Health	公共卫生, 环境与职业卫生
	General Health Professions	普通卫生专业
	Health Professions (miscellaneous)	卫生专业 (杂项)
EI	Public Health, Environmental and Occupational Health	公共卫生, 环境与职业卫生
MEDLINE	Public Health	公共卫生
KCI	Preventive Medicine/Occupational and Environmental Medicine	预防医学/职业与环境医学

6.3.4.2 R33011 Nutrition

Discipline Description:

Journals on nutrition are included. Nutrition is a scientific study of interaction between food and the body, and the distribution, transportation, digestion, metabolism, etc. of nutritional components in food (including nutrients, non-nutrients, and anti-nutrients) in the body.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Nutrition (33011)	营养学 (33011)
CLC	Nutrition (R151)	营养学 (R151)
	Deficiency Disease (R591)	营养缺乏症 (R591)
WOS	Nutrition and Dietetics	营养与饮食
SCOPUS	Nutrition and Dietetics	营养与饮食
MEDLINE	Nutritional Sciences	营养科学

6.3.4.3 R33014 Toxicology

Discipline Description:

Journals on toxicology are included. Toxicology is a scientific study of analysis and identification of toxicants, physiological and chemical effects of toxicants, branches of toxicology, inorganic toxicants, organic toxicants, etc.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Toxicology (33014)	毒理学 (33014)
CLC	Toxicology (R99)	毒理学 (R99)
WOS	Toxicology	毒理学
	Pharmacology and Toxicology	药理毒理学
SCOPUS	Toxicology	毒理学
	Health, Toxicology and Mutagenesis	健康, 毒理学和诱变
	General Pharmacology, Toxicology and Pharmaceutics	普通药理, 毒理学和药物学
	Pharmacology, Toxicology and Pharmaceutics (miscellaneous)	药理, 毒理学和药剂学 (杂项)
EI	Toxicology	毒理学
	Health, Toxicology and Mutagenesis	健康, 毒理学和诱变
MEDLINE	Toxicology	毒理学

6.3.4.4 R33021 Epidemiology

Discipline Description:

Journals on epidemiology and its epidemic prevention are included.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Epidemiology (33021)	流行病学 (33021)
CLC	Epidemiology and Epidemic Prevention (R18)	流行病学与防疫 (R18)
SCOPUS	Epidemiology	流行病学
MEDLINE	Epidemiology	流行病学
RSCI	Hygiene and Epidemiology	卫生与流行病学

6.3.4.5 R33034 Occupational Health

Discipline Description:

This discipline is a study dealing with the health problems that humans encounter in the process of various occupational labor. It aims at protecting the health of employees from harmful factors in the process of occupational activities, including the impact of the labor environment on the health of employees and countermeasures against occupational hazards.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Occupational Health (33034)	职业病学 (33034)

Classification system	Discipline (English)	Discipline (Chinese)
CLC	Labor Hygiene (R13)	劳动卫生 (R13)
	Occupational Disease (R598)	职业性疾病 (R598)
WOS	Public, Environmental and Occupational Health	公共, 环境与职业健康
SCOPUS	Occupational Therapy	职业治疗
	Public Health, Environmental and Occupational Health	公共卫生, 环境与职业卫生
EI	Public Health, Environmental and Occupational Health	公共卫生, 环境与职业卫生
MEDLINE	Occupational Medicine	职业医学
KCI	Working Therapeutics	职业病学
RSCI	Occupational Diseases and Their Prevention	职业病及其预防

6.3.4.6 R33035 Tropical Medicine

Discipline Description:

This discipline is a specialized discipline based on the intersection of general internal medicine and health science for the research, treatment and prevention of tropical diseases.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Tropical Medicine (33035)	热带医学 (33035)
CLC	Tropical Medicine (R188.11)	热带医学 (R188.11)
WOS	Tropical Medicine	热带医学
MEDLINE	Tropical Medicine	热带医学

6.3.4.7 R33057 Environmental Hygiene

Discipline Description:

This discipline is the scientific study dealing with the relationship between the natural environment/living environment and population health, revealing rules of the effects of environmental factors on population health, and putting forward hygiene requirements and preventive countermeasures by making full use of environmental benefits and controlling harmful environmental factors, thereby improving human health and the overall health of the population.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Environmental Hygiene (33057)	环境卫生学 (33057)
CLC	Environmental Health, Environmental Medicine (R12)	环境卫生、环境医学 (R12)
WOS	Public, Environmental and	公共, 环境与职业健康

Classification system	Discipline (English)	Discipline (Chinese)
	Occupational Health	
SCOPUS	Public Health, Environmental and Occupational Health	公共卫生, 环境与职业卫生
EI	Public Health, Environmental and Occupational Health	公共卫生, 环境与职业卫生
MEDLINE	Environmental Health	环境卫生

6.3.4.8 R33077 Health Promotion and Health Education

Discipline Description:

This discipline is the scientific study that helps individuals and groups master health care knowledge, establish health concepts, and voluntarily adopt educational activities and processes that are beneficial to healthy behaviors and lifestyles.

Discipline Classification:

分类体系	学科 (英文)	学科 (中文)
CCD	Health Promotion and Health Education (33077)	健康促进与健康教育学 (33077)
WOS	Public, Environmental and Occupational Health	公共, 环境与职业健康
EI	Public Health, Environmental and Occupational Health	公共卫生, 环境与职业卫生

6.3.4.9 R33081 Health Management

Discipline Description:

This discipline is a scientific study dealing with management processes of health service planning, control, investigating management activities such as prediction and decision-making, and studying the system amplification function of management in the health sector.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Health Management (33081)	卫生管理学 (33081)
CLC	Health Organization and Healthcare (Health Service Management) (R19)	保健组织与事业 (卫生事业管理) (R19)
WOS	Health Policy and Services	卫生政策与服务
SCOPUS	Health Policy	卫生政策
	Health Information Management	卫生信息管理
EI	Health Policy	卫生政策
	Health Information Management	卫生信息管理
MEDLINE	Health Services	卫生服务
	Health Services Research	卫生服务研究

Classification system	Discipline (English)	Discipline (Chinese)
RSCI	Social hygiene. Health Organization and Management	社会卫生.卫生组织与管理

6.3.5 R005 Special Medicine and Forensic Medicine



6.3.5.1 R34020 Special Medicine

Discipline Description:

This discipline is a scientific study dealing with unique health care needs of all people who work or engage in other activities under special environmental conditions, and various medical problems involved in practice under basic principles and technical methods of medical science, as well as relevant theories and practical knowledge of natural sciences, including aerospace medicine, diving medicine, maritime medicine, forensic medicine, and hyperbaric oxygen medicine.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Special Medicine (34020)	特种医学 (34020)
CLC	Special Medicine (R8)	特种医学 (R8)
MEDLINE	Military Medicine	军事医学
	Aerospace Medicine	航空航天医学

6.3.5.2 R3402040 Forensic Medicine

Discipline Description:

Journals on forensic medicine are included.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Forensic Medicine (3402040)	法医学 (3402040)
CLC	Forensic Medicine (R89,D919)	法医学 (R89,D919)
WOS	Medicine, Legal	医学, 法律
SCOPUS	Pathology and Forensic Medicine	病理与法医
EI	Pathology and Forensic Medicine	病理与法医

Classification system	Discipline (English)	Discipline (Chinese)
MEDLINE	Forensic Sciences	法医学
RSCI	Forensic Statistics	法医统计

6.3.6 R006 Pharmacy



6.3.6.1 R350 Pharmacy General

Discipline Description:

Journals on pharmacy with no specific disciplines are categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Pharmacy (350)	药学 (350)
CLC	Pharmacy (R9)	药学 (R9)
WOS	Pharmacology and Pharmacy	药理与药学
SCOPUS	Drug guides	药物指南
	Drug Discovery	药物发现
	Pharmaceutical Science	药物科学
	Pharmacy	药学
EI	Drug Discovery	药物发现
	Pharmaceutical Science	药物科学
MEDLINE	Pharmacy	药学
	Drug Therapy	药物治疗
JST	Pharmaceutical Sciences	药物科学
KCI	Pharmacy	药学

6.3.6.2 R35010 Pharmaceutical Chemistry

Discipline Description:

Journals on pharmaceutical chemistry are included. Pharmaceutical chemistry is a scientific study of discovering, confirming and developing drugs by chemical concepts and methods, and investigating the mode of action and mechanism of drugs in vivo at the molecular level.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Pharmaceutical Chemistry (35010)	药物化学 (35010)

Classification system	Discipline (English)	Discipline (Chinese)
CLC	Pharmaceutical Chemistry (R914)	药物化学 (R914)
	Pharmaceutical Analysis (R917)	药物分析 (R917)
	Pharmaceutical and Industrial Chemistry (TQ46)	制药化学工业 (TQ46)
WOS	Chemistry, Medicinal	化学, 药物
RSCI	Chemical and Pharmaceutical Technology	化学和制药技术

6.3.6.3 R35035 Pharmaceutics

Discipline Description:

Journals on pharmaceutics are included. Pharmaceutics is a scientific study of drug formulation theory, production technology, and rational use of quality control.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Pharmaceutics (35035)	药剂学 (35035)
CLC	Pharmaceutics (R94)	药剂学 (R94)
SCOPUS	General Pharmacology, Toxicology and Pharmaceutics	普通药理, 毒理学和药物学
	Pharmacology, Toxicology and Pharmaceutics (miscellaneous)	药理, 毒理学和药剂学 (杂项)
EI	Pharmacology, Toxicology and Pharmaceutics (all)	药理, 毒理学和药剂学 (全部)
	Pharmacology, Toxicology and Pharmaceutics (miscellaneous)	药理, 毒理学和药剂学 (杂项)

6.3.6.4 R35045 Drug Abuse

Discipline Description:

Journals on drug abuse and drug addiction are included. Drug abuse refers to repeated and large-scale use of drugs with dependence-producing property or dependence potential.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Medication Management (35045)	药物管理学 (35045)
CLC	Rational Medication (R969.3)	合理用药 (R969.3)
WOS	Substance Abuse	物质滥用

6.3.7 R007 Traditional Chinese Medicine and Chinese Materia Medica

6.3.7.1 R360 Traditional Chinese Medicine and Chinese Materia Medica, Integrative and

Complementary Medicine

Discipline Description:

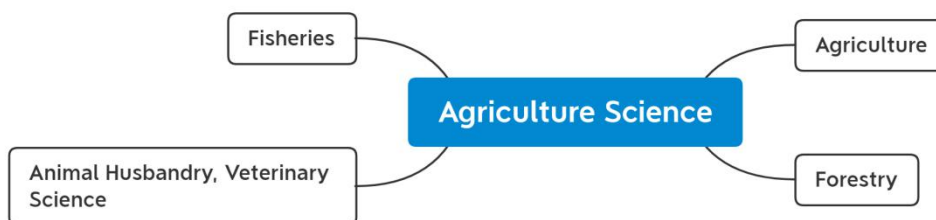
Journals on Traditional Chinese Medicine, Chinese Materia Medica, and integrated Chinese and western medicines are categorized into this discipline.

Discipline Classification:

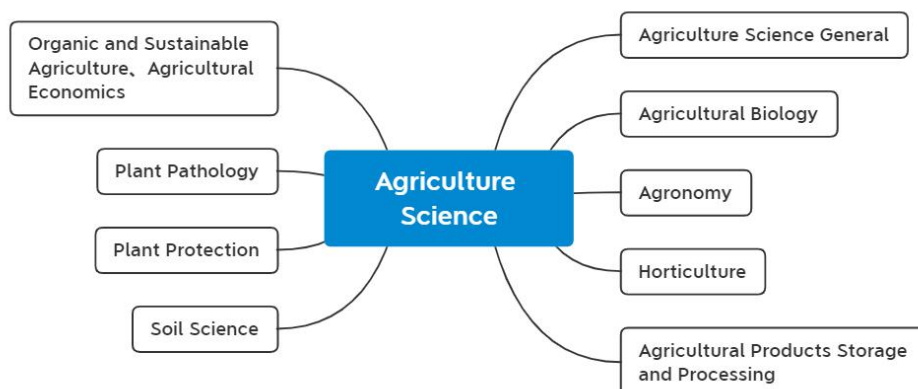
Classification system	Discipline (English)	Discipline (Chinese)
CCD	Traditional Chinese Medicine and Chinese Materia Medica (360)	中医学与中药学 (360)
CLC	Chinese Medicine Science (R2)	中国医学 (R2)
	Basic Theories of Traditional Chinese Medicine (R22)	中医基础理论 (R22)
	Integrated Chinese and Western Medicines (R2-031)	中西医结合 (R2-031)
	Chinese Materia Medica (R28)	中药学 (R28)
WOS	Integrative and Complementary Medicine	结合与补充医学
SCOPUS	Complementary and Alternative Medicine	补充和替代医学
	Complementary and Manual Therapy	补充疗法和手动疗法
MEDLINE	Complementary Therapies	补充疗法

6.4 Agriculture Science

This part covers four Level-2 disciplines (discipline codes of S001–S004), predominated by Agriculture Science involving nine Level-3 disciplines. In contrast, Fisheries has only one Level-3 discipline



6.4.1 S001 Agriculture



6.4.1.1 S210 Agricultural Science General

Discipline Description:

Journals on agricultural science with no specific disciplines are included, involving agriculture-related basic research and applications.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Agriculture (210)	农学 (210)
CLC	Agriculture Science (S)	农业科学 (S)
WOS	Agricultural Sciences	农业科学
	Agriculture, Multidisciplinary	农业, 多学科
SCOPUS	Agricultural and Biological Sciences (miscellaneous)	农业和生物科学 (杂项)
	General Agricultural and Biological Sciences	一般农业和生物科学
EI	Agricultural and Biological Sciences (all)	农业与生物科学 (全部)
	Agricultural and Biological Sciences (miscellaneous)	农业和生物科学 (杂项)
JST	Agriculture and Food Sciences	农业与食品科学
KCI	Agriculture	农业学
RSCI	General agricultural issues	一般农业问题
	Agriculture and forestry	农业和林业
	Agriculture	农业

6.4.1.2 S2102030 Agricultural Biology

Discipline Description:

Journals on agriculture-related biological science and technology, as well as economics and

resources related to agricultural biology are categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Agrobiophysics (2102030)	农业生物物理学 (2102030)
CLC	Agricultural Biology (S18)	农业生物学 (S18)
WOS	Agriculture, Dairy and Animal Science	农业, 奶业与动物科学
SCOPUS	General Agricultural and Biological Sciences	一般农业和生物科学
	Agricultural and Biological Sciences (miscellaneous)	农业和生物科学 (杂项)
EI	Agricultural and Biological Sciences (all)	农业与生物科学 (全部)
	Agricultural and Biological Sciences (miscellaneous)	农业和生物科学 (杂项)
RSCI	Agricultural Biology	农业生物学

6.4.1.3 S21030 Agronomy

Discipline Description:

Journals on agronomy are included. Agronomy is a scientific study dealing with crop cultivation, breeding, soil management, fertilization, pest control, application of agricultural machinery, irrigation and drainage of farmland, preliminary processing and storage of agricultural products, management of agricultural production, etc.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Agronomy (21030)	农艺学 (21030)
CLC	Agronomy (S3)	农学 (农艺学) (S3)
	Crops (S5)	农作物 (S5)
WOS	Agronomy	农艺学
SCOPUS	Agronomy and Crop Science	农艺学与作物科学
EI	Agronomy and Crop Science	农艺学与作物科学
RSCI	Agricultural land reclamation	农业土地开垦

6.4.1.4 S21040 Horticulture

Discipline Description:

This discipline is a scientific study of gardening theory and research methods, gardening working methods, general issues, nursery science, facility gardening (protected field cultivation), vegetable gardening, fruit gardening, ornamental gardening (flowers and ornamental trees), etc.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Horticulture (21040)	园艺学 (21040)
CLC	Gardening Management (S6)	园艺管理 (S6)
WOS	Horticulture	园艺学
SCOPUS	Horticulture	园艺学
EI	Horticulture	园艺学

6.4.1.5 S21045 Agricultural Products Storage and Processing

Discipline Description:

Journals on production, processing, storage, and transportation of agricultural products, as well as tobacco industry are categorized into this discipline, which is also an interdiscipline with engineering.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Agricultural Products Storage and Processing (21045)	农产品贮藏与加工 (21045)
CLC	Harvest, Processing, and Storage of Agricultural Products (S37)	农产品收获、加工及贮藏 (S37)
	Comprehensive Utilization of Agricultural Products (S38)	农产品的综合利用 (S38)
	Tobacco Industry (TS4)	烟草工业 (TS4)
RSCI	Harvesting Agricultural Products	收获农产品

6.4.1.6 S21050 Soil Science

Discipline Description:

Journals on soil science are categorized into this discipline, involving soil conservation and utilization.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Soil Science (21050)	土壤学 (21050)
CLC	Soil Science (S15)	土壤学 (S15)
WOS	Soil Science	土壤科学
SCOPUS	Soil Science	土壤科学
EI	Soil Science	土壤科学
RSCI	Permafrost	多年冻土
	Soil Protection	土壤保护
	Subsoil Protection	底土保护

6.4.1.7 S21060 Plant Protection

Discipline Description:

Journals on plant protection are categorized into this discipline. Plant protection is a scientific study of plant pathology, crop diseases, pests, weeds, rodents and other harmful organisms, plant quarantine, pesticides, etc.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Plant Protection (21060)	植物保护学 (21060)
CLC	Plant Protection (S4)	植物保护 (S4)
RSCI	Crop Protection	作物保护

6.4.1.8 S2106020 Plant Pathology

Discipline Description:

Journals on plant pathology are categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Plant Pathology (2106020)	植物病理学 (2106020)
	Pesticide Science (2106040)	农药学 (2106040)
CLC	Phytopathology (S432.1)	植物病理学 (S432.1)
	Plant Immunology (S432.2)	植物免疫学 (S432.2)

6.4.1.9 S210B Organic and Sustainable Agriculture, Agricultural Economics

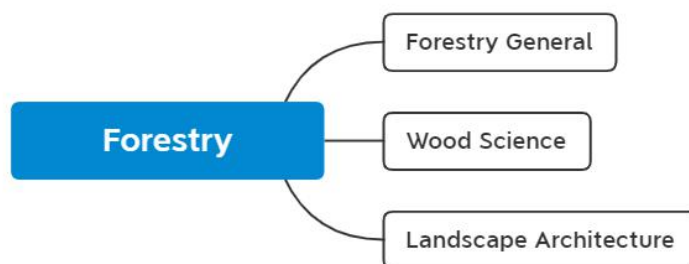
Discipline Description:

Journals on organic and sustainable agriculture and agricultural economics are categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Agricultural Economics (79059)	农业经济学 (79059)
CLC	Agricultural Economy (S3)	农业经济 (S3)
	General Theory (S-01)	一般性理论 (S-01)
WOS	Agricultural Economics and Policy	农业经济学与政策
KCI	Agricultural Economics	农业经济学
RSCI	Economics and Organization of Agriculture	农业经济学与组织

6.4.2 S002 Forestry



6.4.2.1 S220 Forestry General

Discipline Description:

Journals on forestry are categorized into this discipline. Forestry is a scientific study dealing with theories and technologies of forest formation, development, management, resource regeneration, protection and utilization, which involves forest cultivation, forest management, and forest protection, as well as forest protection science such as meteorological disaster prevention and forest fire.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Forestry (220)	林学 (220)
CLC	Forestry (S7)	林业 (S7)
WOS	Forestry	林业
SCOPUS	Forestry	林业
EI	Forestry	林业
KCI	Forestry	林业
RSCI	Forestry	林业

6.4.2.2 S22050 Landscape Architecture

Discipline Description:

Journals on landscape architecture are categorized into this discipline. Landscape architecture is a scientific study of garden history, garden art, garden plants, garden engineering, garden architecture, etc.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Landscape Gardening (22050)	园林学 (22050)
CLC	Landscape Construction (S73)	绿化建设 (S73)
	Ornamental Gardening (Flowers)	观赏园艺 (花卉和观赏树木)

Classification system	Discipline (English)	Discipline (Chinese)
	and Ornamental Trees) (S68)	(S68)
	Garden Planning and Construction (TU986)	园林规划与建设 (TU986)
KCI	Landscape Architecture	景观园林学

6.4.2.3 S2205540 Wood Science

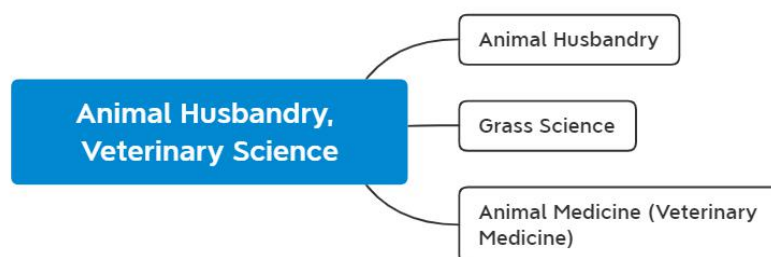
Discipline Description:

Journals on wood production, processing, and application are categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Wood Science (2205540)	木材学 (2205540)
	Logging (2205510)	森林采运学 (2205510)
	Forestry Machinery (2205520)	林业机械 (2205520)
	Wood Processing and Wood-based Panel Technology (including Furniture Design and Manufacturing) (2205550)	木材加工与人造板工艺学 (包括家具设计与制造等) (2205550)
	Chemical Processing of Forest Products (2205570)	林产化学加工学 (2205570)
CLC	Wood Science and Related Disciplines (S781/S785)	木材学及相关学科 (S781/S785)
	Chemical Processing of Wood (TQ351)	木材化学加工工业 (TQ351)
	Wood Processing, Furniture Manufacturing (TS6)	木材加工工业、家具制造工业 (TS6)
WOS	Materials Science, Paper and Wood	材料科学, 造纸和木材
RSCI	Wood Science	木材科学
	Technology and Equipment for Wood Processing	木材加工技术和设备
	Wood Chemical Production	木材化工生产

6.4.3 S003 Animal Husbandry, Veterinary Science



6.4.3.1 S23020 Animal Husbandry

Discipline Description:

Journals on animal husbandry are categorized into this discipline. Animal husbandry is a scientific study of feeding, management, and breeding of livestock, and utilization of livestock products.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Animal Husbandry (23020)	畜牧学 (23020)
CLC	General Animal Husbandry (S81/S83)	普通畜牧学 (S81/S83)
WOS	Agriculture, Dairy and Animal Science	农业, 奶业与动物科学
SCOPUS	Food Animals	食用动物
EI	Food Animals	食用动物
KCI	Livestock Science	畜牧科学
RSCI	Livestock	家畜
	Hunting	狩猎
	Feed industry	饲料行业

6.4.3.2 S2302050 Grass Science

Discipline Description:

Journals on grass science are categorized into this discipline. Grass science is a scientific study of grassland science, pasture science, turf science, etc.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Grassland Science (including Pasture Science, Pasture Breeding, Pasture Cultivation, Grassland Ecology, and Grassland Conservation) (2302050)	草原学 (包括牧草学、牧草育种学、牧草栽培学、草地生态学、草地保护学等) (2302050)
CLC	Grassland Science (S812)	草地学、草原学 (S812)

6.4.3.3 S23030 Animal Medicine (Veterinary Medicine)

Discipline Description:

Journals on veterinary medicine are categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Veterinary Medicine (23030)	兽医学 (23030)
CLC	Animal Medicine (Veterinary Medicine) (S85)	动物医学 (兽医学) (S85)
WOS	Veterinary Sciences	兽医科学
SCOPUS	General Veterinary	普通兽医
	Veterinary (miscellaneous)	兽医 (杂种)
	Equine	马术
MEDLINE	Veterinary Medicine	兽医学
KCI	Veterinary	兽医
RSCI	Veterinary science	兽医学

6.4.4 S004 Fisheries

6.4.4.1 S240 Fisheries

Discipline Description:

Journals on aquatic sciences and fisheries are categorized into this discipline, involving basic aquatic science (aquatic chemistry, aquatic geography, aquatic biology, aquatic genetics and breeding, aquatic animal medicine, aquatic ecology, etc.), aquatic proliferation, aquaculture, aquatic animal feeds, aquatic protection, fishing science, aquatic product storage and processing, aquatic engineering, aquatic resources, aquatic economics, etc.

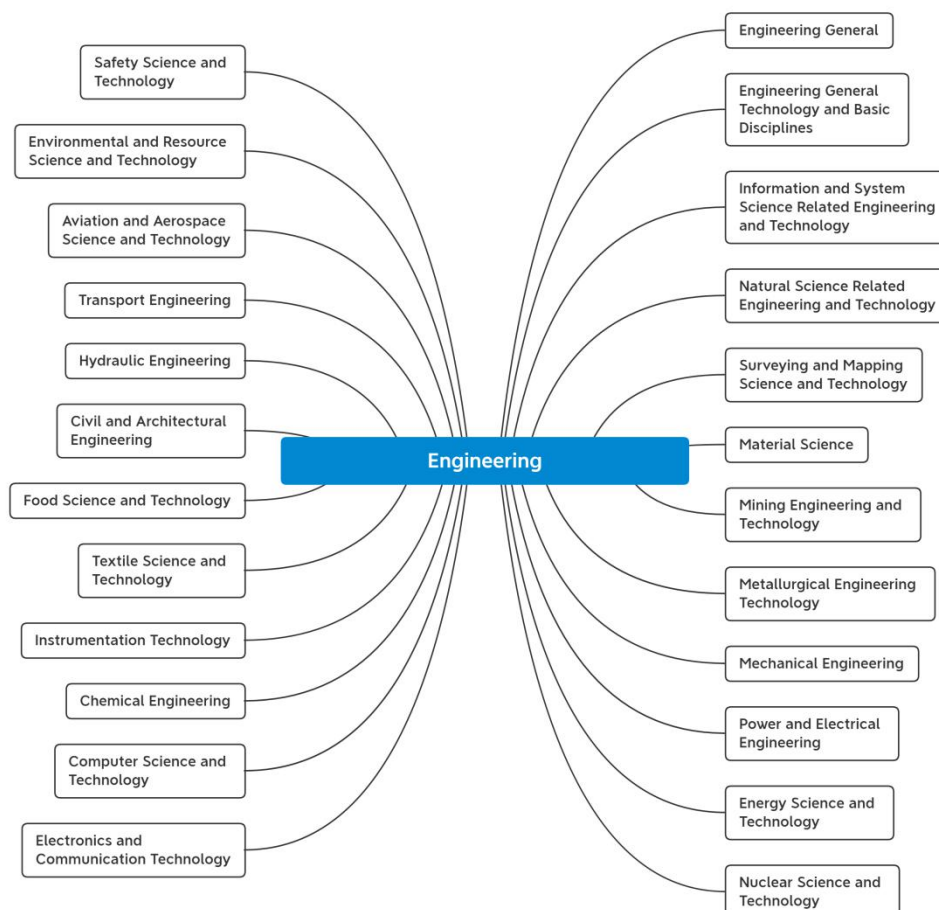
Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Fisheries (240)	水产徐 (240)
CLC	Aquatic Sciences, Fisheries (S9)	水产、渔业 (S9)
WOS	Fisheries	渔业
KCI	Fishery science	渔业科学
	Marine Agriculture, Fishery	海洋农业, 渔业
RSCI	Fisheries. Aquaculture	渔业、水产养殖
	General Fisheries Issues	一般渔业问题
	Biological Resources of the Oceans and Inland Waters	海洋和内陆水域的生物资源
	Aquaculture. FishVFarming	水产养殖、养鱼
	Industrial Fishing	工业捕鱼
	Technical Operation of the Fishing Industry Fleet	捕鱼业船队的技术运作
	Technical Operation of Fishing Seaports	渔港的技术操作
	The Technology of Processing	水源原料加工技术

Classification system	Discipline (English)	Discipline (Chinese)
	Raw Materials of Water Origin	
	Equipment for the Fish Processing Industry	鱼品加工业设备

6.5 Engineering

This part covers 24 Level-2 disciplines (discipline codes of T001–T024), predominated by Computer Science Technology involving 14 Level-3 disciplines. Only one Engineering General is set. Surveying and Mapping Science and Technology, Instrumentation Technology, Textile Science and Technology, and Safety Science and Technology have only one Level-3 disciplines.



6.5.1 T001 Engineering General

6.5.1.1 T400 Engineering General

Discipline Description:

Journals on engineering with no specific disciplines are categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CLC	General Industrial Technology (TB)	一般工业技术 (TB)
WOS	Engineering	工程
	Engineering, Multidisciplinary	工程, 多学科
SCOPUS	Engineering	工程
	Engineering (miscellaneous)	工程 (杂项)
EI	Engineering (all)	工程 (全部)
	Engineering(miscellaneous)	工程 (杂项)
KCI	Engineering	工程
RSCI	Engineering	工程

6.5.2 T002 Engineering General Technology and Basic Disciplines



6.5.2.1 T410 Fundamentals of Engineering and Technology Science

Discipline Description:

Journals on fundamentals of engineering and technology science are categorized into this discipline, involving basic science and general technology in engineering.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Fundamentals of Engineering and Technology Science (410)	工程与技术科学基础学科 (410)
CLC	Fundamental Science of Engineering (TB1)	工程基础科学 (TB1)
SCOPUS	General Engineering	一般工程
KCI	Engineering in General	一般工程
JST	Engineering in General	一般工程
RSCI	General Engineering Issues	一般工程问题

	Engineering Technology	工程技术
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6.5.2.2 T41020 Engineering Mechanics

Discipline Description:

Journals on engineering mechanics and applications are categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Engineering Mechanics (41020)	工程力学 (41020)
CLC	Engineering Mechanics (TB12)	工程力学 (TB12)

6.5.2.3 T41030 Engineering Geology

Discipline Description:

Journals on engineering geology and geological engineering are categorized into this discipline. Engineering geology is a scientific study of soil quality, dynamic geology and engineering geology, and regional engineering geology.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Engineering Geology (41030)	工程地质学 (41030)
CLC	Engineering Geology (P642)	工程地质学 (P642)
WOS	Engineering, Geological	工程, 地质
SCOPUS	Geotechnical Engineering and Engineering Geology	岩土工程与工程地质
EI	Geotechnical Engineering and Engineering Geology	岩土工程与工程地质
RSCI	Engineering geology	工程地质学

6.5.2.4 T41050 Metrology and Standardization

Discipline Description:

Journals on metrology and standardization in engineering are categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Standard Science and Technology (41050)	标准科学技术 (41050)
	Metrology (41055)	计量学 (41055)
CLC	Industrial Regulations and Standards (T-65)	工业规程与标准 (T-65)
	Rules, Regulations, and Standards (N65)	条例、规程、标准 (N65)
	Product Standards and Inspection (TS07)	产品标准与检验 (TS07)

Classification system	Discipline (English)	Discipline (Chinese)
RSCI	Standardization	标准化
	General standardization issues	一般标准化问题
	Metrology	计量学

6.5.2.5 T41070 Engineering General Technology

Discipline Description:

Journals on engineering general technology are categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Engineering General Technology (41070)	工程通用技术 (41070)
CLC	Engineering General Technology and Equipment (TB4)	工程通用技术与设备 (TB4)
RSCI	Vacuum Technology	真空技术
	Packaging	包装

6.5.2.6 T41075 Industrial Engineering

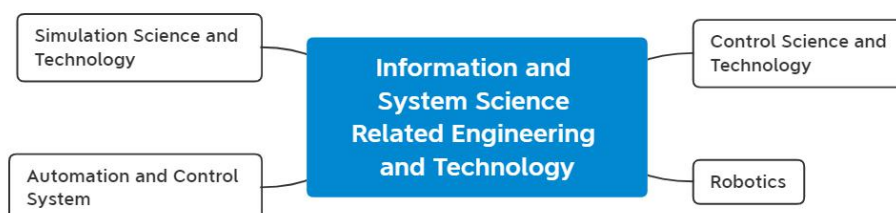
Discipline Description:

Journals on industrial engineering are categorized into this discipline. Industrial engineering is an applied engineering profession developed on the basis of scientific management.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Industrial Engineering (41075)	工业工程学 (41075)
WOS	Engineering, Industrial	工程, 工业
SCOPUS	Industrial and Manufacturing Engineering	工业与制造工程
EI	Industrial and Manufacturing Engineering	工业与制造工程
KCI	Industrial Engineering	工业工程

6.5.3 T003 Information and System Science Related Engineering and Technology



6.5.3.1 T41310 Control Science and Technology

Discipline Description:

Journals on control science and technology are categorized into this discipline, involving theories, methods, technologies and engineering applications of control science.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Control Science and Technology (41310)	控制科学与技术 (41310)
SCOPUS	Control and Optimization	控制与优化
EI	Control and Optimization	控制与优化

6.5.3.2 T4131050 Robotics

Discipline Description:

Journals on robotics in the fields of electromechanical engineering, cybernetics, bionics, and artificial intelligence are categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Robot Control (4131050)	机器人控制 (4131050)
CLC	Robotics (TP24)	机器人技术 (TP24)
WOS	Robotics	机器人技术
RSCI	Robotics	机器人技术

6.5.3.3 T41310B Automation and Control System

Discipline Description:

This discipline is a scientific study of design and development of processes and system covering control theory, control engineering, and laboratory and manufacturing automation, which can minimize human intervention. Specifically, it includes general problems of automation systems, automation elements, components, automation devices and equipment, robotics, automation systems, and applications of automation technology.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Automation Technology Application (4131060)	自动化技术应用(具体应用入有关学科) (4131060)
	Command and Control System Engineering (4131015)	指挥与控制系统工程 (4131015)
CLC	Basic Theory of Automation (TP1)	自动化基础理论 (TP1)
	Automation Technology and Equipment (TP2)	自动化技术及设备 (TP2)

Classification system	Discipline (English)	Discipline (Chinese)
WOS	Automation and Control Systems	自动化与控制系统
	Computer Science, Cybernetics	计算机科学, 控制论
SCOPUS	Control and Systems Engineering	控制与系统工程
EI	Control and Systems Engineering	控制与系统工程
RSCI	Automation, Computer Engineering	自动化技术、计算机工程

6.5.3.4 T41315 Simulation Science and Technology

Discipline Description:

This discipline is a scientific study of analysis, design, operation, and evaluation of targets based on modeling and simulation theory by establishing models with computer systems, physical effect equipment, and simulators as tools.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Simulation Science and Technology (41315)	仿真科学技术 (41315)
CLC	Computer Simulation (TP391.9)	计算机仿真 (TP391.9)
SCOPUS	Modelling and Simulation	仿真科学技术
EI	Modeling and Simulation	仿真科学技术
RSCI	Simulation Theory	仿真实论

6.5.4 T004 Natural Science Related Engineering and Technology



6.5.4.1 T41620 Optical Engineering

Discipline Description:

Journals on optical engineering are categorized into this discipline. Optical engineering is a scientific study applying optical theories to practical applications.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CLC	Engineering Optics (TB133)	工程光学 (TB133)
	Optical Engineering (TB57)	光声工程 (TB57)

	Optical System and Device (TG502.33)	光学系统及装置 (TG502.33)
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6.5.4.2 T41630 Ocean Engineering and Technology

Discipline Description:

Journals on ocean engineering and technology are categorized into this discipline. Ocean engineering is a scientific study of new construction, reconstruction, and extension project aiming at developing, utilizing, protecting, and restoring marine resources, with the main body of the project located on the sea side of the coastline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Ocean Engineering and Technology (41630)	海洋工程与技术 (41630)
CLC	Ocean Engineering (P75)	海洋工程 (P75)
WOS	Engineering, Marine	工程, 大洋
	Engineering, Ocean	工程, 海洋
SCOPUS	Ocean Engineering	海洋工程
EI	Ocean Engineering	海洋工程
KCI	Marine Engineering	大洋工程
	Ocean Engineering	海洋工程

6.5.4.3 T41640 Modern Biotechnology (Bioengineering)

Discipline Description:

Journals on bioengineering and modern biotechnology are categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Bioengineering (41640)	生物工程 (41640)
CLC	Bioengineering (Biotechnology) (Q81)	生物工程学 (生物技术) (Q81)
WOS	Biotechnology and Applied Microbiology	生物技术与应用微生物学
SCOPUS	Bioengineering	生物工程
	Biotechnology	生物技术
	Applied Microbiology and Biotechnology	应用微生物学与生物技术
EI	Bioengineering	生物工程
	Biotechnology	生物技术
MEDLINE	Biotechnology	生物技术
RSCI	Bioengineering	生物工程
	Biotechnology	生物技术

	Common Biotechnology Issues	生物技术一般问题
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6.5.4.4 T4164015 Cell Engineering

Discipline Description:

This discipline is a scientific study of biotechnology with cells as the basic unit.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Cell Engineering (4164015)	细胞工程 (4164015)
CLC	Cell Engineering (Q813)	细胞工程 (Q813)
WOS	Cell and Tissue Engineering	细胞与组织工程
RSCI	Cell Engineering	细胞工程

6.5.4.5 T41650 Agricultural Engineering

Discipline Description:

Journals on agricultural engineering are categorized into this discipline. Agricultural engineering is a scientific study of agricultural machinery (including agricultural mechanical manufacturing), agricultural mechanization, agricultural electrification and automation, irrigation and water conservancy (including irrigation engineering and drainage engineering), soil and water conservation (including soil erosion, soil and water conservation monitoring, soil and water conservation ecology, soil and water conservation engineering, and desertification control), farmland surveying, agricultural environmental protection engineering, agricultural zoning (including agricultural land use), agricultural systems engineering, agricultural engineering, etc.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Agricultural Engineering (41650)	农业工程 (41650)
CLC	Agricultural Engineering (S2)	农业工程 (S2)
WOS	Agricultural Engineering	农业工程
RSCI	Tractor and Agricultural Engineering	拖拉机和农业工程
	Agricultural Mechanization and Electrification	农业机械化与电气化

6.5.4.6 T41660 Biomedical Engineering

Discipline Description:

Journals on biomedical engineering are categorized into this discipline. Biomedical engineering is a scientific study of biology, medicine, behavior, or hygiene in combination of physics, chemistry, mathematics, computer, and engineering principles.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Biomedical Engineering (41660)	生物医学工程学（41660）
CLC	Biomedical Engineering (R318)	生物医学工程（R318）
WOS	Engineering, Biomedical	工程，生物医学
SCOPUS	Biomedical Engineering	生物医学工程
EI	Biomedical Engineering	生物医学工程
MEDLINE	Biomedical Engineering	生物医学工程
KCI	Biomedical Engineering	生物医学工程
RSCI	Biomedical Disciplines	生物医学学科

6.5.5 T005 Surveying and Mapping Science and Technology

6.5.5.1 T420 Surveying and Mapping Science and Technology

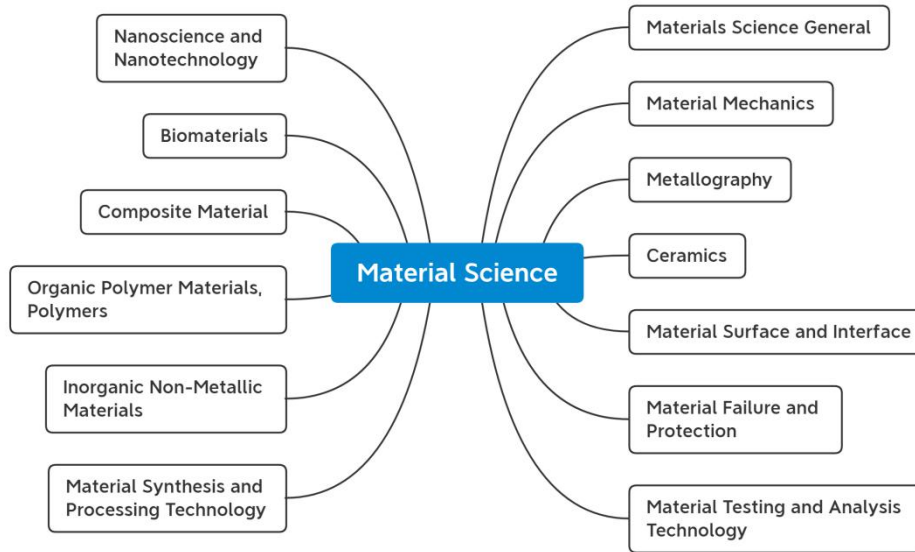
Discipline Description:

This discipline is a scientific study dealing with basic theories and methods of surveying and mapping science, involving geodetic survey technology, cartography technology, engineering survey technology, ocean surveying and mapping, surveying and mapping instruments, surveying and mapping science and technology, etc.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Surveying and Mapping Science and Technology (420)	测绘科学技术（420）
	Geodesy (17035)	大地测量学（17035）
CLC	Geomatics (P2)	测绘学（P2）
WOS	Remote Sensing	遥感
RSCI	Geodesy. Cartography	大地测量学、制图
	General issues of Geodesy and Cartography	大地测量学和制图学的一般问题

6.5.6 T006 Materials Science



6.5.6.1 T430 Materials Science General

Discipline Description:

Journals without any materials field or discipline specifically covered are categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Materials Science (430)	材料科学 (430)
CLC	Engineering Materials (TB3)	工程材料学 (TB3)
WOS	Materials Science	材料科学
	Materials Science, Multidisciplinary	材料科学, 多学科
SCOPUS	General Materials Science	通用材料科学
	Materials Science (miscellaneous)	材料科学 (杂项)
EI	Materials Science (all)	材料科学 (全部)
	Materials Science (miscellaneous)	材料科学 (杂项)
JST	Nanosciences and Materials Sciences	纳米科学与材料科学
KCI	Materials Science and Engineering	材料科学与工程
RSCI	Materials Science	材料科学
	Engineering Materials	工程材料

6.5.6.2 T4301010 Material Mechanics

Discipline Description:

Journals on material mechanics are categorized into this discipline. Material mechanics is a

scientific study dealing with the strain, stress, strength, stiffness, stability, and the limit that leads to the failure of materials under various external forces with rod-shaped materials as research objects, such as rods, beams, and shafts. It is collectively referred to as “Three Sciences of Mechanics” together with theoretical mechanics and structural mechanics.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Material Mechanics (4301010)	材料力学 (4301010)
CLC	Engineering Material Mechanics (Material Strength) (TB301)	工程材料力学 (材料强弱学) (TB301)
SCOPUS	Mechanics of Materials	材料力学
EI	Mechanics of Materials	材料力学

6.5.6.3 T4301040 Metallography

Discipline Description:

Metallography is a technical science studying the properties of metals, the basic knowledge of metal science, the heat treatment of steel and steel materials, and metal technology related to metals manufacturing.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Metallography (4301040)	金属学 (4301040)
	Metallic Material (43040)	金属材料 (43040)
CLC	Metallography and Metal Technology (TG1)	金属学与金属工艺 (TG1)
SCOPUS	Metals and Alloys	金属和合金
EI	Metals and Alloys	金属和合金
RSCI	Metal Science	金属学

6.5.6.4 T4301050 Ceramics

Discipline Description:

Journals on ceramics are categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Ceramics (4301050)	陶瓷学 (4301050)
CLC	Ceramic Industry (TQ174)	陶瓷工业 (TQ174)
	Electrical Ceramic Materials (TM28)	电工陶瓷材料 (TM28)
WOS	Materials Science, Ceramics	材料科学, 陶瓷
SCOPUS	Ceramics and Composites	陶瓷和复合材料

EI	Ceramics and Composites	陶瓷和复合材料
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6.5.6.5 T43015 Material Surface and Interface

Discipline Description:

Material surface and interface is a scientific study dealing with surface and interface of materials, involving coatings, films, and coating methods.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Material Surface and Interface (43015)	材料表面与界面 (43015)
CLC	Material Structure and Physical Properties (TB303)	材料结构及物理性质 (TB303)
WOS	Materials Science, Coatings and Films	材料科学, 涂料和薄膜
SCOPUS	Surfaces and Interfaces	表面和界面
	Surfaces, Coatings and Films	表面, 涂层和薄膜
EI	Surfaces and Interfaces	表面和界面
	Surfaces, Coatings and Films	表面, 涂层和薄膜
RSCI	Surface Finishing and Coating	表面处理和涂层

6.5.6.6 T43020 Material Failure and Protection

Discipline Description:

Journals on material failure and protection are categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Material Failure and Protection	材料失效与保护
CLC	Material Corrosion and Protection (TB304)	材料腐蚀与保护 (TB304)

6.5.6.7 T43025 Material Testing and Analysis Technology

Discipline Description:

Journals on material testing and analysis technology are categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Material Testing and Analysis Technology (43025)	材料检测与分析技术 (43025)
CLC	Engineering Material Testing (TB302)	工程材料试验 (TB302)
WOS	Materials Science, Characterization, Testing	材料科学, 表征, 测试

6.5.6.8 T43035 Material Synthesis and Processing Technology

Discipline Description:

Journals on material synthesis and processing technology are categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Material Synthesis and Processing Technology (43035)	材料合成与加工工艺 (43035)

6.5.6.9 T43045 Inorganic Non-Metallic Materials

Discipline Description:

Inorganic non-metallic materials is a scientific study of materials with silicate compounds as the main components, including cement and concrete materials, daily-use glass and architectural glass, daily-use ceramics and architectural ceramics, refractory materials and enamels. It covers glass and amorphous inorganic non-metallic materials (including biological glass materials), low-dimensional inorganic non-metallic materials (including films, fibers, and zero-dimensional non-metallic materials), artificial crystals, ceramic materials (including ceramic membrane materials, and porous ceramic materials, bioceramic materials, and refractory materials), special functional inorganic non-metallic materials, inorganic non-metallic materials, etc.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Inorganic Non-Metallic Materials (43045)	无机非金属材料 (43045)
CLC	Non-Metallic Materials (TB32)	非金属材料 (TB32)
	Inorganic Materials (TB321)	无机质材料 (TB321)

6.5.6.10 T43050 Organic Polymer Materials, Polymers

Discipline Description:

Journals on organic polymer materials are categorized into this discipline. Organic polymer materials, also known as polymers, are natural products such as fibers, proteins and natural rubber, or can be synthesized, such as non-biological polymers (synthetic rubber, synthetic resin, synthetic fibers, etc.), with characteristics of multiple types, low density, high specific strength, good electrical insulativity, corrosion resistance, and easy processing, which can meet the requirements of a variety of special purposes, including plastics, fibers, rubber, coatings, and adhesives. It can partially replace metal and non-metal materials.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Organic Polymer Materials (43050)	有机高分子材料（43050）
CLC	Polymer Materials (TB324)	高分子材料（TB324）
	Macromolecule Industry (Polymer industry) (TQ31)	高分子化合物工业(高聚物工业)（TQ31）
SCOPUS	Polymers and Plastics	聚合物和塑料
EI	Polymers and Plastics	聚合物和塑料
RSCI	Technology for the Production of Rubber and Products from them	橡胶及其制品生产技术
	Plastics Technology	塑料技术

6.5.6.11 T43055 Composite Materials

Discipline Description:

This discipline is the study of the mixture or mechanical combination of materials with different chemical properties that are solid in their final state and insoluble in each other, including metal composites, non-metal composites, metal-non-metal composites, and various structural composites.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Composites (43055)	复合材料（43055）
CLC	Composites (TB33)	复合材料（TB33）
WOS	Materials Science, Composites	材料科学，复合材料
SCOPUS	Ceramics and Composites	陶瓷和复合材料
EI	Ceramics and Composites	陶瓷和复合材料

6.5.6.12 T43060 Biomaterials

Discipline Description:

This discipline is a study in broad field related to biomaterials. Biomaterials are special functional materials used to contact and interact with living systems, also known as biomedical materials. It interacts with multiple disciplines, such as materials science, medicine, and engineering technology.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Biomaterials (43060)	生物材料（43060）
CLC	Biomaterials Science (R318.08)	生物材料学（R318.08）
WOS	Materials Science, Biomaterials	材料科学，生物材料
SCOPUS	Biomaterials	生物材料

EI	Biomaterials	生物材料
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6.5.6.13 T43070 Nanoscience and Nanotechnology

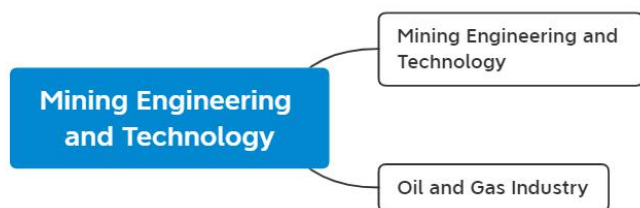
Discipline Description:

This discipline is a study in broad field related to nanoscience, involving interdisciplines such as engineering technology and materials science.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Nanomaterials (43070)	纳米材料 (43070)
CLC	Materials of Special Structures (TB383)	特种结构材料 (TB383)
WOS	Nanoscience and Nanotechnology	纳米科学与纳米技术
MEDLINE	Nanotechnology	纳米技术

6.5.7 T007 Mining Engineering and Technology



6.5.7.1 T440 矿山工程技术 Mining Engineering and Technology

Discipline Description:

This discipline is the study of mining engineering. Mining engineering is the engineering related to mineral resource exploitation, including surface engineering and underground engineering. Surface engineering mainly involves mining machinery and facilities, such as dressing plant, hoist tower, winch, air compressor, and ventilating fan, while underground engineering is mainly about shaft sinking and drifting, chamber engineering, and partial installation engineering.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Mining Engineering and Technology (440)	矿山工程技术 (440)
CLC	Minerals Engineering (TD)	矿业工程 (TD)
WOS	Mining and Mineral Processing	采矿与矿物加工
RSCI	Mining Engineering	采矿工程

Classification system	Discipline (English)	Discipline (Chinese)
	General Mining Issues	一般采矿问题

6.5.7.2 T44045 Oil and Gas Industry

Discipline Description:

This discipline is the study of petroleum and natural gas, involving petrochemicals, storage technology, transport technology, etc.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Oil & Gas Field and Well Development Engineering (44050)	油气田井开发工程 (44050)
	Oil & Gas Storage and Transport Engineering (44055)	石油、天然气储存与运输工程 (44055)
	Oil & Gas Energy (4806020)	石油、天然气能 (4806020)
CLC	Oil & Gas Industry (TE)	石油、天然气工业 (TE)
WOS	Engineering, Petroleum	石油工程
RSCI	Chemical and Petroleum Engineering	化学与石油工程

6.5.8 T008 Metallurgical Engineering Technology

6.5.8.1 T450 Metallurgical Engineering Technology

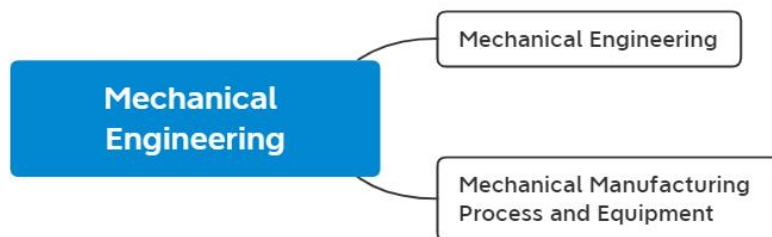
Discipline Description:

This discipline is the study of extracting metals or compounds from ore and other resources and processing them into materials with good performance and economic value.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Metallurgical Engineering Technology (450)	冶金工程技术 (450)
CLC	Metallurgical Industry (TF)	冶金工业 (TF)
WOS	Metallurgy and Metallurgical Engineering	冶金与冶金工程
KCI	Metallurgical Engineering	冶金工程
RSCI	Metallurgical Engineering	冶金工程

6.5.9 T009 Mechanical Engineering



6.5.9.1 T460 Mechanical Engineering

Discipline Description:

This discipline is the applied science studying the theories on the development, design, manufacturing, installation, utilization, and repairing of machinery and resolving the related problems, on the basis of theories in natural science and technical science and in combination with the technical experience in production. It involves mechanical history, mechanics, mechanical design, process and equipment of mechanical manufacturing, tool technology, machine tool technology, fluid power transmission and control, manufacturing automation, mechanical engineering, etc.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Mechanical Engineering (460)	机械工程 (460)
CLC	Machinery and Instrument Industry (TH)	机械、仪表工业 (TH)
WOS	Engineering, Mechanical	机械工程
SCOPUS	Mechanical Engineering	机械工程
EI	Mechanical Engineering	机械工程
JST	Mechanical Engineering	机械工程
KCI	Mechanical Engineering	机械工程
RSCI	Machine Science and Machine Parts	机械科学与机械零件

6.5.9.2 T46025 Mechanical Manufacturing Process and Equipment

Discipline Description:

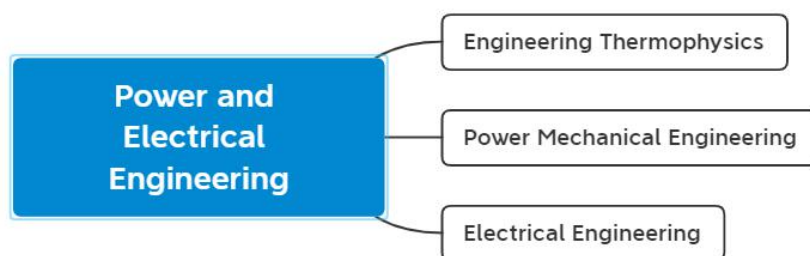
This discipline is the study of the process technology and equipment in mechanical manufacturing.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
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Classification system	Discipline (English)	Discipline (Chinese)
CCD	Mechanical Manufacturing Process and Equipment (46025)	机械制造工艺与设备 (46025)
CLC	Mechanical Manufacturing Process (TH16)	机械制造工艺 (TH16)
	Casting (TG2)	铸造 (TG2)
	Locksmith Technology and Assembling Process (TG9)	钳工工艺与装配工艺 (TG9)
WOS	Engineering, Manufacturing	工程, 制造
RSCI	Forging and Stamping	锻造和冲压
	Welding	焊接

6.5.10 T010 Power and Electrical Engineering



6.5.10.1 T47010 Engineering Thermophysics

Discipline Description:

This discipline is the study of conversion of matter and energy in physical and chemical processes, particularly the processes involving heat transfer and temperature change. It covers engineering thermodynamics, engineering heat transfer, mass transfer, combustion science, multiphase flow, microscale thermal physics, thermal measurement, instrument and apparatus, heat supply engineering, industrial boiler, thermal engineering, etc.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Engineering Thermophysics (47010)	工程热物理 (47010)
CLC	Engineering Thermophysics (TK121)	工程热物理学 (TK121)
WOS	Thermodynamics	热力学
RSCI	Heat Power Engineering. Heat Engineering	热电工程。热工学

6.5.10.2 T47030 Power Mechanical Engineering

Discipline Description:

This discipline is the study of basic laws and processes for the conversion of chemical energy produced by combustion and fluid kinetic energy into power in a safe, efficient, and environmentally friendly manner, the systems equipment used in the conversion such as combustion turbine, steam turbine, internal combustion engine, and other new power machines and system, as well as the related control technique.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Power Mechanical Engineering (47030)	动力机械工程 (47030)
CLC	Energy and Power Engineering (TK)	能源与动力工程 (TK)
SCOPUS	Energy Engineering and Power Technology	能源工程与动力技术
EI	Energy Engineering and Power Technology	能源工程与动力技术

6.5.10.3 T47040 Electrical Engineering

Discipline Description:

This discipline is the study of general questions of electrotechnics, basic theories of electrotechnics, electric materials, electric machine, transformer, converter, reactor, electric apparatus, power generation, power plant, power transmission and distribution engineering, electric power network and electric power system, high voltage technique, independent power supply technology (direct generation), electrification, electric energy application, electrical measurement technology and instruments.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Electrical Engineering (47040)	电气工程 (47040)
CLC	Electrotechnics (TM)	电工技术 (TM)
WOS	Engineering, Electrical and Electronic	工程, 电气与电子
SCOPUS	Electrical and Electronic Engineering	电气电子工程
EI	Electrical and Electronic Engineering	电气电子工程
JST	Electrical and Electronic Engineering	电气电子工程
KCI	Electrical Engineering	电气工程
RSCI	Electrical Engineering	电气工程
	General Questions of Electrical Engineering	电气工程的一般问题

6.5.11 T011 Energy Science and Technology



6.5.11.1 T480 能源科学技术综合 Energy Science and Technology General

Discipline Description:

This discipline is the study of the theories and technologies, involving the development, production, conversion, transport, distribution, storage, and comprehensive utilization of various energy sources.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Energy Science and Technology (480)	能源科学技术 (480)
CLC	Energy and Power Engineering (TK)	能源与动力工程 (TK)
	Energy and Energy Conservation (TE0)	能源与节能 (TE0)
WOS	Energy and Fuels	能源与燃料
SCOPUS	General Energy	通用能源
	Energy (miscellaneous)	能源 (杂项)
EI	Energy (all)	能源 (全部)
	Energy (miscellaneous)	能源 (杂项)
RSCI	General Energy Issues	一般能源问题

6.5.11.2 T48060 Primary Energy

Discipline Description:

This discipline is a study in broad field related to primary energy. Primary energy, also known as natural energy, is any energy that exists naturally and has not been modified into another form, including water energy, wind energy, solar energy, and biotic energy.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Primary Energy (48060)	一次能源 (48060)
CLC	Wind Energy, Wind Power	风能、风力机械 (TK8)

	Machinery (TK8)	
RSCI	Wind power	风能
	Solar energy	太阳能

6.5.11.3 T48070 Electric Energy

Discipline Description:

This discipline is a study in broad field related to electric energy.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Electric Energy (4807020)	电能 (4807020)
CLC	Independent Power Supply Technology (Direct Generation) (TM91)	独立电源技术 (直接发电) (TM91)
	Power Generation, Power Plant (TM6)	发电、发电厂 (TM6)
RSCI	Power Industry	电力行业

6.5.11.3 T48080 Energy System Engineering

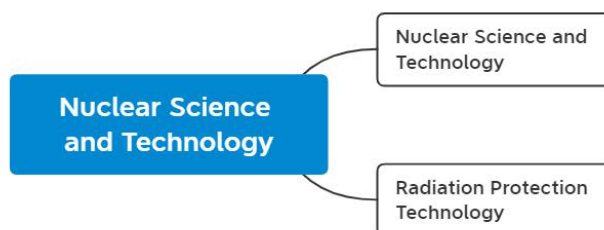
Discipline Description:

This discipline is the study of technologies related to the prediction, plan, and management of energy system. Energy system is a large-scale system covering the development, supply, conversion, storage, dispatch, control, management, and use of energy sources.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Energy System Engineering (48080)	能源系统工程 (48080)
CLC	Energy (TK01)	能源 (TK01)
SCOPUS	Energy Engineering and Power Technology	能源工程与动力技术
EI	Energy Engineering and Power Technology	能源工程与动力技术

6.5.12 T012 Nuclear Science and Technology



6.5.12.1 T490 Nuclear Science and Technology

Discipline Description:

This discipline is a study in broad field related to nuclear science and technology and its application.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Nuclear Science and Technology (490)	核科学技术 (490)
CLC	Nuclear Engineering Technology (TL)	原子能技术 (TL)
WOS	Nuclear Science and Technology	核科学与技术
SCOPUS	Nuclear and High Energy Physics	核能与高能物理
	Nuclear Energy and Engineering	核能与工程
EI	Nuclear Energy and Engineering	核能与工程
RSCI	Nuclear Technology	核技术

6.5.12.2 T49075 辐射防护技术 Radiation Protection Technology

Discipline Description:

This discipline is a study in broad field related to radiation and radiation protection.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Radiation Protection Technology (49075)	辐射防护技术 (49075)
CLC	Radiation (O434.11)	辐射 (O434.11)
SCOPUS	Radiation	辐射
EI	Radiation	辐射
RSCI	The Effect of Radiation and Protection Against Them	辐射的影响及其防护

6.5.13 T013 Electronics and Communication Technology



6.5.13.1 T51010 Electronic Technology

Discipline Description:

This discipline is the science that solves practical problems by designing electronic components and building circuits with a certain specific function on the basis of electronics principles. It has two branches of information and electronic technology and power electronic technology. Radiotechnics, electromagnetic and microwave technology, and information processing technology are also categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Electronic Technology (51010)	电子技术 (51010)
KCI	Electronics / Communications Engineering	电子/通讯工程
RSCI	Theoretical Foundations of Electronic Engineering	电子工程的理论基础
	Electronic Circuits	电子电路
	Electronics. Radio Engineering	电子产品、无线电工程
	General Issues of Electronics and Radio Engineering	电子和无线电工程的一般问题

6.5.13.2 T51030 Semiconductor Technology, Microelectronics, Integrated Circuits

Discipline Description:

This discipline is a study of technologies related to semiconductor processing, such as wafer growth technology, thin film deposition, photolithography, etching, doping technology, and process integration, as well as microelectronics, such as integrated circuit, and the design, fabrication process, and design software of microelectronics system.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Semiconductor Technology (51030)	半导体技术 (51030)
	Microelectronics (5101035)	微电子学 (5101035)
	Integrated Circuit Technology (5103040)	集成电路技术 (5103040)
CLC	Semiconductor Technology (TN3)	半导体技术 (TN3)
	Microelectronics, Integrated Circuits (IC) (TN4)	微电子学、集成电路 (IC) (TN4)

6.5.13.3 T51050 Communication Technology

Discipline Description:

This discipline, as an important branch of electronic engineering, is the study of principles and applications of information transmission and signal processing in communication. It covers

wired communication technology, wireless communication technology (including microwave communication, satellite communication, and laser communication technologies), optical fiber communication technology, communication transmission technology, communication network technology, and communication terminal technology.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Communication Technology (51050)	通信技术 (51050)
CLC	Communication (TN91)	通信 (TN91)
WOS	Communication	通信
SCOPUS	Communication	通信
EI	Communication	通信
KCI	Electronics / Communications Engineering	电子/通讯工程
RSCI	General Communication Issues	一般通信问题
	Communication	通信

6.5.13.4 T5105040 Telecommunications

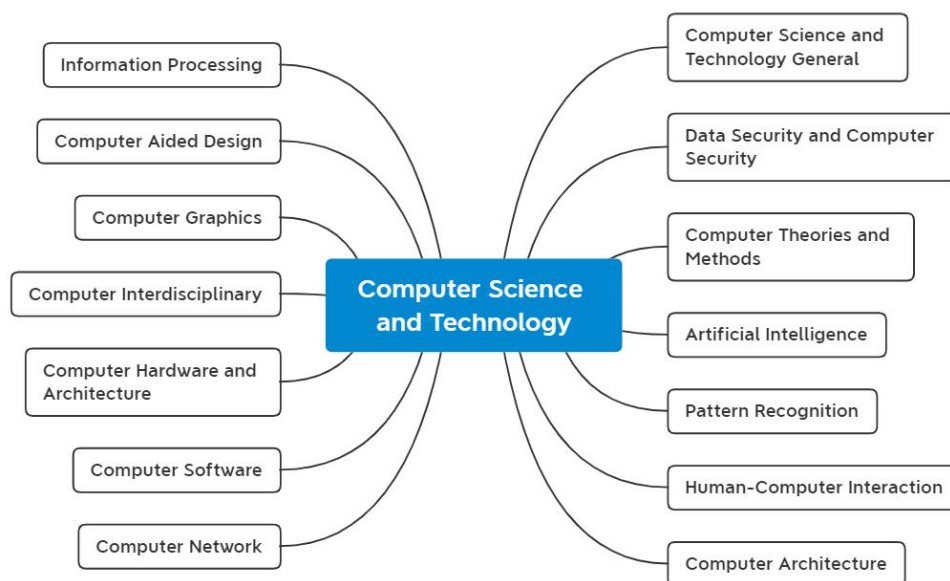
Discipline Description:

This discipline is a study of traditional communication engineering technologies involving telecommunications, postal service, broadcasting, and television.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Telecommunications (5105040)	电信 (5105040)
CLC	Radioelectronics, Telecommunication Technology (TN)	无线电电子学、电信技术 (TN)
WOS	Telecommunications	电信
RSCI	Fiber Optic Communication and Equipment	光纤通讯与设备
	Telecommunication Services and Equipment	电信服务和设备

6.5.14 T014 Computer Science and Technology



6.5.14.1 T520 Computer Science and Technology General

Discipline Description:

This discipline is a study in broad field related to computer science and technology and its applications.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Computer Science and Technology (520)	计算机科学技术 (520)
CLC	Automation Technology, Computer Technology (TP3)	自动化技术、计算机技术 (TP3)
WOS	Computer Science	计算机科学
SCOPUS	General Computer Science	通用计算机科学
	Computer Science (miscellaneous)	计算机科学 (杂项)
EI	Computer Science(all)	计算机科学 (全部)
	Computer Science(miscellaneous)	计算机科学 (杂项)
KCI	Computer Science	计算机科学
RSCI	Computer science	计算机科学

6.5.14.2 T5201060 Data Security and Computer Security

Discipline Description:

This discipline is the study of information security technology, data security, and computer security.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Data Security and Computer Security (5201060)	数据安全与计算机安全 (5201060)
CLC	Security and Secrecy (TP309)	安全保密 (TP309)
	Network Security (TN915.08)	网络安全 (TN915.08)
	Communication Secrecy and Communication Security (TN918)	通信保密与通信安全 (TN918)

6.5.14.3 T52010B Computer Theories and Methods

Discipline Description:

This discipline is the study of basic theory and application of computer, including computability theory, reliability theory, algorithm and theory, data structure, data security and computer security.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CLC	Theory, Method (TP301)	理论、方法 (TP301)
WOS	Computer Science, Theory and Methods	计算机科学, 理论与方法
SCOPUS	Theoretical Computer Science	理论计算机科学
EI	Theoretical Computer Science	理论计算机科学

6.5.14.4 T52020 Artificial Intelligence

Discipline Description:

This discipline is a study in a broad field related to artificial intelligence. Artificial intelligence is the science that studies and develops theories, methods, technologies, and applications systems for simulating, extending, and expanding human intelligence, which includes robots, language recognition, image recognition, natural language processing, expert system, and deep learning.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Artificial Intelligence (52020)	人工智能 (52020)
CLC	Artificial Intelligence Theory (TP18)	人工智能理论 (TP18)
WOS	Computer Science, Artificial Intelligence	计算机科学, 人工智能
SCOPUS	Artificial Intelligence	人工智能
EI	Artificial Intelligence	人工智能
RSCI	Artificial Intelligence	人工智能

6.5.14.5 T5202040 Pattern Recognition

Discipline Description:

This discipline is a study in a broad field related to pattern recognition. Pattern recognition is the science that studies the automatic processing and interpretation of the pattern depending on mathematic technology via computer, which covers image processing and computer vision, speech and language processing, brainnetome, and brain-like intelligence.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Pattern Recognition (5202040)	模式识别 (5202040)
CLC	Pattern Recognition and Device (TP391.4)	模式识别与装置 (TP391.4)
	Pattern Recognition Theory (O235)	模式识别理论 (O235)
SCOPUS	Computer Vision and Pattern Recognition	计算机视觉与模式识别
EI	Computer Vision and Pattern Recognition	计算机视觉与模式识别

6.5.14.6 T5202040B Human-Computer Interaction

Discipline Description:

This discipline is the study of the interaction between the users and computers. Human-computer interaction technology offers an effective way to achieve the interaction between man and machine through the input and output devices, which covers interface, interaction design, user experience, graphical interface, man-machine interface, etc.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CLC	Ergonomics (R857.14)	人机学 (R857.14)
WOS	Ergonomics	人机工程学
SCOPUS	Human-Computer Interaction	人机交互
	Human Factors and Ergonomics	人为因素与人机工程学
EI	Human-Computer Interaction	人机交互
KCI	Ergonomics	人机工程学
	Human Factors and Ergonomics	人为因素与人机工程学

6.5.14.7 T52030 Computer Architecture

Discipline Description:

This discipline is the study of computer system, mainly the hardware and software architecture of compute. It involves computer system design, parallel processing, distributed

processing system, computer network, running test and performance evaluation of computer, computer system architecture, etc.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Computer System Architecture (52030)	计算机系统结构 (52030)
CLC	Computer Aided Structure Analysis (TP303)	计算机辅助结构分析 (TP303)
RSCI	Digital Computers and Computer Systems (VC)	数字计算机和计算机系统 (VC)
	Analog-Digital (hybrid) Computers and Computer Systems	模拟数字 (混合)计算机和计算机系统

6.5.14.8 T5203040 Computer Network

Discipline Description:

This discipline is the science that uses communication lines and communication equipment to connect computers with independent functions at different geographical locations for the purpose of resource sharing and information transfer via fully functional software. General issues in computer network, local area network (LAN), metropolitan area network (MAN), and wide area network (WAN) are categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Computer Network (5203040)	计算机网络 (5203040)
CLC	Computer Network (TP393)	计算机网络 (TP393)
SCOPUS	Computer Networks and Communications	计算机网络与通信
EI	Computer Networks and Communications	计算机网络与通信

6.5.14.9 T52040 Computer Software

Discipline Description:

This discipline is the study of programs and data for computer running, which covers assembler, compiler, operating system, diagnostic program, control program, common and specific package, database management system, various application programs as well as the maintenance manuals, instructions, and block diagrams for the programs.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
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CCD	Computer Software (52040)	计算机软件 (52040)
CLC	Computer Software (TP31)	计算机软件 (TP31)
WOS	Computer Science, Software Engineering	计算机科学, 软件工程
SCOPUS	Software	软件
EI	Software	软件
RSCI	Software for Computers, Complexes and Networks	用于计算机, 综合体和网络的软件

6.5.14.10 T52050 Computer Hardware and Architecture

Discipline Description:

This discipline is a study in the broad field related to computer hardware and architecture. Computer hardware refers to the physical components that make up a computer system, such as electrons, mechanical elements, and photoelements. This discipline involves computer components, computer processor technology, computer storage technology, computer peripherals, computer manufacturing and inspection, computer high-density packaging techniques, and computer engineering.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CLC	General Structure and System Structure (TP303)	总体结构、系统结构 (TP303)
WOS	Computer Science, Hardware and Architecture	计算机科学, 硬件与架构
SCOPUS	Hardware and Architecture	硬件与架构
EI	Hardware and Architecture	硬件与架构
RSCI	Input / Output Devices	输入/输出设备
	Storage Devices	存储设备

6.5.14.11 T52060 Computer Interdisciplinary

Discipline Description:

This discipline is the study of theories, methods, technologies, and systems involving the application of computer in various fields. As an interdisciplinary that combines computer science with other disciplines, it includes information system, factory automation, office automation, home automation, expert system, pattern recognition, and machine translation.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Computer Application (52060)	计算机应用 (52060)
CLC	Application of Computers (TP39)	计算机的应用 (TP39)

Classification system	Discipline (English)	Discipline (Chinese)
WOS	Computer Science, Interdisciplinary Applications	计算机科学，跨学科应用
SCOPUS	Computer Science Applications	计算机科学应用
EI	Computer Science Applications	计算机科学应用

6.5.14.12 T5206030 Computer Graphics

Discipline Description:

This discipline is a science that transforms 2D or 3D graphics into grid forms of computer monitors with the help of mathematical algorithms. It mainly studies how to express graphics and the relevant principles and algorithms of calculating, displaying, and showing the graphics by using computer.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Computer Graphics (5206030)	计算机图形学（5206030）
CLC	Computer Graphics (TP391.41)	计算机图形学（TP391.41）
SCOPUS	Computer Graphics and Computer-Aided Design	计算机图形学和计算机辅助设计
EI	Computer Graphics and Computer-Aided Design	计算机图形学和计算机辅助设计

6.5.14.13 T5206050 Computer Aided Design

Discipline Description:

This discipline is mainly about the application of computer and graphics device in design.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Computer Aided Design (5206050)	计算机辅助设计（5206050）
CLC	Computer Aided Design (TP391.7)	计算机辅助设计（TP391.7）
SCOPUS	Computer Graphics and Computer-Aided Design	计算机图形学和计算机辅助设计
EI	Computer Graphics and Computer-Aided Design	计算机图形学和计算机辅助设计

6.5.14.14 T5206070 Information Processing

Discipline Description:

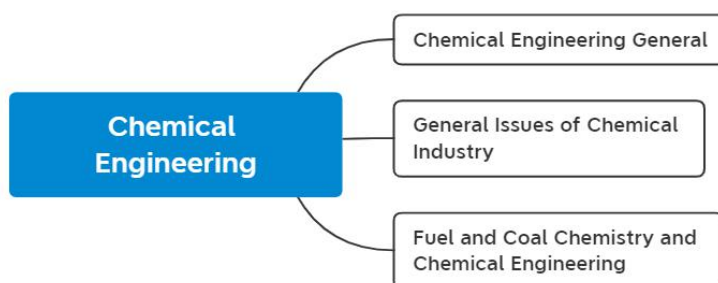
This discipline is the science of collecting, storing, analyzing, and processing data with computer for the purpose of obtaining target information.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
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CCD	Computer Information Management System (5206070)	计算机信息管理系统 (5206070)
CLC	Information Processing (TP391)	信息处理 (信息加工) (TP391)
WOS	Computer Science, Information Systems	计算机科学, 信息系统
SCOPUS	Information Systems	信息系统
	Signal Processing	信号处理
EI	Information Systems	信息系统
	Signal Processing	信号处理

6.5.15 T015 Chemical Engineering



6.5.15.1 T530 Chemical Engineering General

Discipline Description:

This discipline is a study in broad field related to chemical engineering and its application.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Chemical Engineering (530)	化学工程 (530)
CLC	Chemical Industry (TQ)	化学工业 (TQ)
WOS	Engineering, Chemical	工程, 化学
SCOPUS	General Chemical Engineering	普通化学工程
	Chemical Engineering (miscellaneous)	化学工程 (杂项)
EI	Chemical Engineering (all)	化学工程 (全部)
	Chemical Engineering(miscellaneous)	化学工程 (杂项)
KCI	Chemical Engineering	化学工程
RSCI	Chemical Technology. Chemical industry	化学技术、化学工业

6.5.15.2 T53011 General Issues of Chemical Industry

Discipline Description:

Relevant basic theories, chemical engineering processes (physical processes and physicochemical processes), chemical reaction processes, chemical raw materials, supplementary materials, chemical machinery and instruments, equipment, chemical process, final processing and packaging of products, chemical products and by-products, and chemical plants can be categorized into this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Basic Disciplines of Chemical Engineering (53011)	化学工程基础学科 (53011)
CLC	General Issues (TQ0)	一般性问题 (TQ0)
SCOPUS	Process Chemistry and Technology	工艺化学与技术
	Chemical Health and Safety	化学健康与安全
	Filtration and Separation	过滤分离
	Fluid Flow and Transfer Processes	流体流动和转移过程
EI	Process Chemistry and Technology	工艺化学与技术
	Filtration and Separation	过滤分离
	Fluid Flow and Transfer Processes	流体流动和转移过程
RSCI	General Issues of Chemical Technology and the Chemical Industry	化学技术和化学工业的一般问题

6.5.15.3 T53047 Fuel and Coal Chemistry and Chemical Engineering

Discipline Description:

This discipline is mainly the study of the chemical industry of combustible fuels, such as wood, coal, petroleum, natural gas, and oil shale.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Coal Chemical Engineering (53047)	煤化学工程 (53047)
CLC	Fuel and Coal Chemistry (all) (TQ51)	燃料化学工业(总论)(TQ51)
WOS	Energy and Fuels	能源与燃料
SCOPUS	Fuel Technology	燃油技术
EI	Fuel Technology	燃油技术

6.5.16 T016 Instrumentation Technology

6.5.16.1 T53510 Instrumentation Technology

Discipline Description:

This discipline is a study in broad field related to instrument and apparatus and materials used for the development and manufacturing of instrument and apparatus.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Instrumentation Technology (53510)	仪器仪表技术 (53510)
CLC	Instrument, Apparatus (TH7)	仪器、仪表 (TH7)
WOS	Instruments and Instrumentation	仪器仪表
	Microscopy	显微镜检查
SCOPUS	Instrumentation	仪器仪表
EI	Instrumentation	仪器仪表
KCI	Control and Instrumentation Engineering	控制与仪表工程
RSCI	Instrumentation	仪器仪表
	General Instrumentation Issues	一般仪器问题

6.5.17 T017 Textile Science and Technology

6.5.17.1 T540 Textile Science and Technology

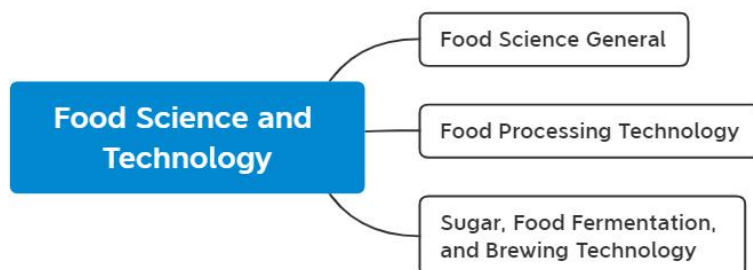
Discipline Description:

This discipline involves the resources related to manufacturing of clothes and furniture made of natural fibers (such as leather, cotton, wool, wood) as well as resources related to dye, color, and fiber chemistry.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Textile Science and Technology (540)	纺织科学技术 (540)
CLC	Textile Industry, Dyeing and Finishing Industry (TS1)	纺织工业、染整工业 (TS1)
	Apparel Industry, Shoemaking Industry (TS94)	服装工业、制鞋工业 (TS94)
WOS	Materials Science, Textiles	材料科学, 纺织
KCI	Fiber Engineering	纤维工程
RSCI	Textile industry	纺织工业

6.5.18 T018 Food Science and Technology



6.5.18.1 T550 Food Science General

Discipline Description:

This discipline is a study in broad field related to food science.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Food Science and Technology (550)	食品科学技术 (550)
CLC	Food Industry (TS2)	食品工业 (TS2)
WOS	Food Science and Technology	食品科技
SCOPUS	Food Science	食物科学
EI	Food Science	食物科学
JST	Agriculture and Food Sciences	农业与食品科学
KCI	Food Science	食物科学
RSCI	Food industry	食品工业
	General Food Industry Issues	一般食品行业问题

6.5.18.2 T55020 Food Processing Technology

Discipline Description:

This discipline is the study of technologies for food processing and their application, involving the principles and processes of these technologies.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Food Processing Technology (55020)	食品加工技术 (55020)
CLC	Food Processing and Preservation (TS205)	食品加工与保藏 (TS205)
RSCI	Meat and Poultry Industry	肉禽业
	Dairy Industry	乳制品行业
	Egg and Egg Product Manufacturing	蛋及蛋制品制造

6.5.18.3 T5502015 Sugar, Food Fermentation, and Brewing Technology

Discipline Description:

Journals on the sugar, food fermentation, and brewing technology are included in this discipline.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Sugar Technology (5502015)	制糖技术 (5502015)
	Food Fermentation and Brewing Technology (5502040)	食品发酵与酿造技术 (5502040)
CLC	Sugar Industry (TS24)	制糖工业 (TS24)
	Fermentation Industry (TQ92)	发酵工业 (TQ92)
	Brewing Industry (TS26)	酿造工业 (TS26)
RSCI	Sugar Industry	制糖业
	Brewing Industry	酿造业
	Yeast Industry	酵母行业

6.5.19 T019 Civil and Architectural Engineering



6.5.19.1 T560 Architecture

Discipline Description:

This discipline is a study of all the related resources, involving architectural history, construction methods, building technology, building materials, construction engineering, and building economics.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Civil Engineering and Architecture (560)	土木建筑工程 (560)
CLC	Architecture (TU)	建筑科学 (TU)
WOS	Architecture	建筑
SCOPUS	Architecture	建筑
EI	Architecture	建筑
JST	Architecture and Civil Engineering	建筑与土木工程
KCI	Architectural Engineering	建筑工程
RSCI	Construction. Architecture	施工、建筑学

Classification system	Discipline (English)	Discipline (Chinese)
	Architecture	建筑

6.5.19.2 T5604020 Regional Planning, Urban and Rural Planning

Discipline Description:

This discipline is the study of regions, urban areas, land of suburbs and rural areas, as well as the development and utilization of technology and infrastructures.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Method and Theory of Urban and Rural Planning (5604020)	城乡规划方法与理论 (5604020)
CLC	Regional Planning, Urban and Rural Planning (TU98)	区域规划、城乡规划 (TU98)
WOS	Regional and Urban Planning	区域和城市规划
	Urban Studies	城市研究
	Area Studies	区域研究
SCOPUS	Urban Studies	城市研究
	Geography, Planning and Development	地理, 规划与发展
EI	Urban Studies	城市研究
	Geography, Planning and Development	地理, 规划与发展
KCI	Area Studies	区域研究
RSCI	District layout. Urban planning	区域布局。城市规划

6.5.19.3 T56045 Civil Engineering

Discipline Description:

This discipline is mainly a study of civil engineering construction, involving the building foundation engineering, surface engineering, underground engineering, wall engineering, and decoration engineering.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Civil Engineering Construction (56045)	土木建筑工程施工 (56045)
CLC	Building Construction Machinery and Equipment (TU6)	建筑施工机械和设备 (TU6)
	Building Construction (TU7)	建筑施工 (TU7)
WOS	Construction and Building Technology	施工与建筑技术
	Engineering, Civil	土木工程

Classification system	Discipline (English)	Discipline (Chinese)
SCOPUS	Civil and Structural Engineering	土木与结构工程
	Building and Construction	建筑施工
EI	Civil and Structural Engineering	土木与结构工程
	Building and Construction	建筑施工
JST	Architecture and Civil Engineering	建筑与土木工程
KCI	Civil Engineering	土木工程
RSCI	Building Construction	建筑施工
	General Construction Issues	一般施工问题
	Technology of Construction Works	施工技术

6.5.19.4 T56055 Municipal Engineering

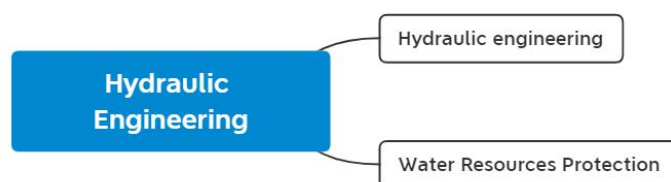
Discipline Description:

This discipline involves urban water supply and drainage engineering, ventilation and air conditioning engineering, heat supply and gas supply engineering, telecommunication pipeline engineering, and urban systems engineering.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Municipal Engineering (56055)	市政工程 (56055)
CLC	Municipal Engineering (TU99)	市政工程 (TU99)

6.5.20 T020 Hydraulic Engineering



6.5.20.1 T570 Hydraulic Engineering

Discipline Description:

This discipline is the study of water conservancy, hydraulic power, and irrigation, which involves basic disciplines in hydraulic engineering, hydraulic engineering surveying, hydraulic materials, hydraulic structure, hydraulic machinery, construction of hydro project, water treatment, river sediment engineering, environmental water conservancy, water conservancy management, flood control engineering, and hydroeconomics.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Hydraulic Engineering (570)	水利工程 (570)
CLC	Hydraulic Engineering (TV)	水利工程 (TV)
RSCI	Irrigation Systems	灌溉系统
	Drainage Systems	排水系统
	Water Construction, Hydraulotechnical and Irrigation and Drainage Facilities	水利建设。水力技术及排灌设施

6.5.20.2 T5705530 Water Resources Protection

Discipline Description:

Water resources protection refers to all the legal, administrative, economic, technical, and educational measures taken for the prevention of water pollution and damage caused by the inappropriate use of water resources, which is mainly related to water fields, such as water resources, water ecology, water environment, and water safety.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Water Resources Protection (5705530)	水资源保护 (5705530)
WOS	Water Resources	水资源
SCOPUS	Water Science and Technology	水科学与技术
EI	Water Science and Technology	水科学与技术
RSCI	Integrated Use of Water Resources	水资源综合利用

6.5.21 T021 Transportation Engineering



6.5.21.1 T580 Transportation Engineering General

Discipline Description:

This discipline involves such aspects as highway engineering, railway engineering, waterway engineering, aerospace transportation, pipeline transportation, transportation safety, and transportation environment.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Transportation Engineering (580)	交通运输工程 (580)
CLC	Transportation (U)	交通运输 (U)
WOS	Transportation	运输
	Transportation Science and Technology	交通科学与技术
SCOPUS	Transportation	运输
EI	Transportation	运输
KCI	Traffic Engineering	交通工程
RSCI	General Transport Issues	一般运输问题
	Transport	交通运输

6.5.21.2 T58010 Road Engineering

Discipline Description:

This discipline covers subgrade engineering, bridge engineering, tunnel engineering, etc.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Road Engineering (58010)	道路工程 (58010)
CLC	Road Engineering (U41)	道路工程 (U41)
RSCI	Construction and Road Engineering	建筑与道路工程

6.5.21.3 T5802010 Automobile, Locomotive, Vehicle Engineering

Discipline Description:

This discipline is the study of all aspects related to the land vehicles such as automobiles, which involves vehicle engineering, vehicle technology, locomotive design, manufacturing, experiment, test, etc.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Vehicle Engineering (5802010)	车辆工程 (5802010)
CLC	Locomotive Engineering (U26)	机车工程 (U26)
	Vehicle Engineering (U27)	车辆工程 (U27)
	Automotive Engineering (U46)	汽车工程 (U46)
SCOPUS	Automotive Engineering	汽车工程
EI	Automotive Engineering	汽车工程
KCI	Automotive Engineering	汽车工程
RSCI	Automotive	汽车行业
	Industrial Vehicles	工业车辆
	Railway Transport	铁路运输

6.5.21.4 T58050 Ship and Ship Engineering

Discipline Description:

This discipline covers ship design, structure, and properties, ship power equipment and auxiliary machinery, marine electric equipment, observation and communication devices and automatic control technology, digital shipbuilding, ship construction and repairing technology, shipbuilding management, ocean engineering, wind technology, shipping industry information, etc.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Ship and Ship Engineering (58050)	船舶、舰船工程 (58050)
CLC	Ship Engineering (U66)	船舶工程 (U66)
KCI	Marine Transportation Studies	海上运输研究
RSCI	Water Transport	水运
	Shipbuilding	造船

6.5.22 T022 Aviation and Aerospace Science and Technology

6.5.22.1 T590 Aviation and Aerospace Science and Technology

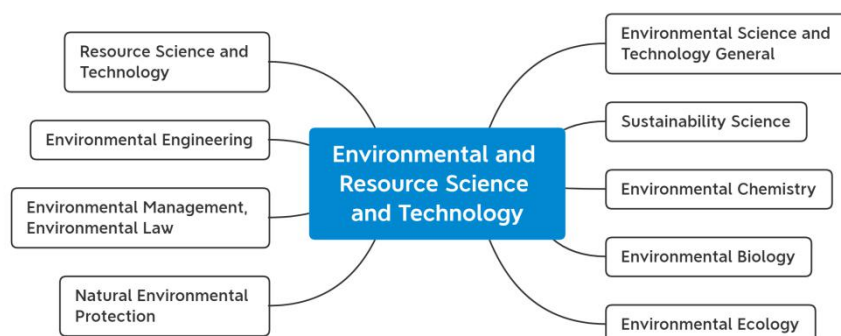
Discipline Description:

This discipline involves aircraft manufacturing, development, and design. Aerospace is also known as space flight.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Aviation and Aerospace Science and Technology (590)	航空、航天科学技术 (590)
CLC	Aviation, Aerospace (V)	航空、航天 (V)
WOS	Engineering, Aerospace	航空航天工程
SCOPUS	Aerospace Engineering	航空航天工程
EI	Aerospace Engineering	航空航天工程
KCI	Aerospace Engineering	航空航天工程
RSCI	Space Engineering and Technology	航天工程与技术

6.5.23 T023 Environmental and Resource Science and Technology



6.5.23.1 T61010 Environmental Science and Technology General

Discipline Description:

This discipline involves theoretical basis of environmental science, application of environmental science, ecological environment, environmental engineering, environmental management, environmental economy, and environmental law.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Environmental and Resource Science and Technology (610)	环境科学技术及资源科学技术 (610)
CLC	Environmental Science Basic Theory (X1)	环境科学基础理论 (X1)
WOS	Environmental Sciences	环境科学
	Environmental Studies	环境研究
SCOPUS	General Environmental Science	一般环境科学
	Environmental Science (miscellaneous)	环境科学 (杂项)
EI	Environmental Science (all)	环境科学 (全部)
	Environmental Science (miscellaneous)	环境科学 (杂项)
JST	Environmental Sciences	环境科学

6.5.23.2 T61010B Sustainability Science

Discipline Description:

This discipline is a cross-discipline of environmental science, resource science and other related sciences. It mainly publishes periodicals related to sustainable development.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
WOS	Green and Sustainable Science and Technology	绿色与可持续科技
SCOPUS	Renewable Energy, Sustainability and the Environment	可再生能源,可持续发展与环境
EI	Renewable Energy, Sustainability and the Environment	可再生能源,可持续发展与环境

6.5.23.3 T6101015 Environmental Chemistry

Discipline Description:

This discipline, as one of the branches in environmental science, is the science that studies the identification, content determination, existing forms, migration and transformation rules, ecological effect, reduction or elimination of potential chemicals in the atmosphere, water, and soil with chemical theories and methods.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Environmental Chemistry (6101015)	环境化学 (6101015)
CLC	Environmental Chemistry (V)	环境化学 (V)
SCOPUS	Environmental Chemistry	环境化学
EI	Environmental Chemistry	环境化学

6.5.23.4 T6101020 Environmental Biology

Discipline Description:

This discipline is mainly the study of ecological effect elicited by environmental pollution, purification of pollutants by organisms or ecosystem, the principles and methods for the monitoring and evaluation of the environment with organisms, nature conservation, the influence of man on environment, and control of environment development.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Environmental Biology (6101020)	环境生物学 (6101020)
CLC	Environmental Biology (X17)	环境生物学 (X17)

6.5.23.5 T6101035 Environmental Ecology

Discipline Description:

This discipline is the science that studies the relationship between organisms and human-intervened environment on the basis of the basic theories in ecology and in combination

with the research outcomes in systems science, physics, chemistry, instrumental analysis, environmental science, etc.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Environmental Ecology (6101035)	环境生态学 (6101035)
CLC	Ecological Environment Construction and Ecological Rehabilitation (X171)	生态环境建设与生态恢复 (X171)
WOS	Environment/Ecology	环境/生态学

6.5.23.6 T610104 Natural Environmental Protection

Discipline Description:

This discipline covers the various actions for coordinating the relationship between man and the environment, protecting the living environment of human beings, and ensuring sustainable social and economic development in view of the existing or potential environmental problems.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Natural Environmental Protection (6101045)	自然环境保护学 (6101045)
CLC	Rational Exploitation of Natural Resources and Environmental Protection (X37)	自然资源合理开发与环境保护 (X37)
SCOPUS	Nature and Landscape Conservation	自然景观保护
EI	Nature and Landscape Conservation	自然景观保护

6.5.23.7 T6101050 Environmental Management, Environmental Law

Discipline Description:

This discipline is a study in broad field related to environment, which interacts with engineering and the science of law.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Environmental Management (6101050)	环境管理学 (6101050)
CLC	Society and Environment (X2)	社会与环境 (X2)
	Environmental Protection Management (X3)	环境保护管理 (X3)
SCOPUS	Management, Monitoring, Policy and Law(Environmental Science)	管理, 监督, 政策和法律
EI	Management, Monitoring, Policy and	管理, 监督, 政策和法律

	Law(Environmental Science)	
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6.5.23.8 T61030 Environmental Engineering

Discipline Description:

This discipline is mainly the study of environmental pollution prevention and environmental quality improvement, which involves environmental protection engineering, environmental pollution control engineering, environmental monitoring and assessment, environmental planning, and environmental remediation, which is related to ecology, environment hygiene, environmental medicine, environmental physics, and environmental chemistry.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Environmental Engineering (61030)	环境工程学 (61030)
WOS	Engineering, Environmental	工程, 环境
SCOPUS	Environmental Engineering	环境工程学
	Pollution	污染
	Waste Management and Disposal	废物管理与处置
EI	Environmental Engineering	环境工程学
	Pollution	污染
	Waste Management and Disposal	废物管理与处置
KCI	Environmental Engineering	环境工程学
RSCI	Pollution and Conservation of Land, Seas and Oceans	陆地和海洋的污染与保护
	Air Pollution and Protection	空气污染与防护
	Environmental Pollution. Pollution Control	环境污染。污染控制
	Waste Management. Low-waste and Non-waste Technology	废物管理。低浪费和无浪费技术

6.5.23.9 T61050 Resource Science and Technology

Discipline Description:

This discipline is the study of resource science and resource management, involving land resources, water resources, climatic resources, biological resources, marine resources, energy and mineral resources, tourism resource, and resource management.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Resource Science and Technology (61050)	资源科学技术 (61050)
CLC	Relationship of Human Beings, Resources, and Energy with	人类、资源、能源与环境的关系 (X24)

	Environment (X24)	
WOS	Green and Sustainable Science and Technology	绿色与可持续科技
SCOPUS	Renewable Energy, Sustainability and the Environment	可再生能源,可持续发展与环境
EI	Renewable Energy, Sustainability and the Environment	可再生能源,可持续发展与环境
KCI	Resources Engineering	资源工程

6.5.24 T024 Safety Science and Technology

6.5.24.1 T620 Safety Science and Technology, Disasters and Their Prevention

Discipline Description:

This discipline is mainly related to social sciences, medicine, human body, engineering technology, and public safety.

Discipline Classification:

Classification system	Discipline (English)	Discipline (Chinese)
CCD	Safety Science and Technology (620)	安全科学技术 (620)
CLC	Disasters and Their Prevention (X4)	灾害及其防治 (X4)
	Safety Science (X9)	安全科学 (X9)
SCOPUS	Safety Research	安全研究
	Safety, Risk, Reliability and Quality	安全, 风险, 可靠性和质量
EI	Safety Research	安全研究
	Safety, Risk, Reliability and Quality	安全, 风险, 可靠性和质量
MEDLINE	Disaster Medicine	灾害医学
KCI	Safety Engineering	安全工程
RSCI	Natural and Man-made Disasters. Environmental Safety	自然和人为灾难。环境安全
	Security. Rescue Services	安全。救援服务

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