As at September 2019

Main categories

2 Mathematics, Computer Science

4 Physics, general

6 Experimental Methods and Experimental Techniques in Physics

8 Quantum Mechanics, Quantum Field Theory

10 Elementary Particles, Nuclear Physics

12 Mechanics, Elasticity, Rheology, Acoustics

14 Statistical Physics and Thermodynamics

16 Electrodynamics

18 Particle Optics, Electron Microscopy

20 Optics

22 Techniques in Spectroscopy (Spectroscopical Techniques)

24 Atomic and Molecular Physics, Quantum Chemistry

26 Condensed Matter Physics

27 Catalysis

28 Interfaces, Surfaces, Thin Films, Colloids

29 Nanostructures

30 Biophysics

32 Reaction Kinetics and Reaction Mechanisms

34 Electrochemistry

36 Photochemistry and Radiochemistry

38 Physical Chemistry, general

39 Energy

40 Chemistry, general

42 Inorganic Chemistry

44 Organic Chemistry

46 Macromolecular Chemistry

48 Analytic Separation and Detection Techniques

50 Tables and Reference Works

60 Other Categories

62 History of Science

70 General Topics

2 Mathematics, Computer Science

A General, Reference Works

B Textbooks (general)

E Function and Integral Tables, Special Functions

F Algebra (except Linear Algebra and Group Theory), Set Theory, Logic, Graph Theory, Categories and Functors, Lattices, Number Theory

G Linear Algebra, Vectors, Tensors, Matrices, Geometry, Differential Geometry, Topology

H Group Theory

I Analysis, Complex Analysis, Series

K Calculus (Differentiation, Integration, Variations), Non-Linear Problems (see also **2 N**, **14 A** and **14 I**)

L Calculus, Integral Transformations (Fourier, Laplace), Operators

M Probability Theory, Stochastic Processes, Statistics, Cybernetics

N Mathematical Methods in Physics and Chemistry (see also **2 K**)

P Numerical Methods, Graphical Methods, Computer Science

Q Computational Physics, Computational Chemistry

4 Physics, general

A General

B Textbooks (general)

C Conference Proceedings (general)

E Reference Manuals, Encyclopedias, Lexica

F Collected Works

G Theory of Relativity, Gravitation

H Astronomy

Z Others

6 Experimental Methods and Experimental Techniques in Physics

A General

E Vacuum Physics and Vacuum Technology: Conference Proceedings

F Vacuum Physics and Vacuum Technology

G Low Temperature Physics (Cryogenic): Conference Proceedings and Series

H Cryogenic (Low Temperature Physics and Technology)

I Electrical Metrology, Instruments, Electrical Engineering, Electronics

K Temperature Measurements, Calorimetry (see also **14**)

L Radiation Detection

M Free Electron Laser, Synchrotron Radiation, Accelerator (see also **70 X**)

N Photography

P Microelectronics - Computer

Z Others

8 Quantum Mechanics, Quantum Field Theory

A General

F Relativistic Quantum Mechanics and Quantum Field Theory, Quantum Electro Dynamics

G Quantum Statistics and Many-Body Physics

H Scattering Theory

I Specific Problems

K Density Functional Theory (DFT)

10 Elementary Particles, Nuclear Physics

E Physics of Elementary Particles and Fields

F Nuclear Physics and Nuclear Technology

G Nuclear Decay and Radioactivity

12 Mechanics, Elasticity, Rheology, Acoustics

A General

E Classical Mechanics

F Fluid Dynamics

G Elasticity, Rheology (see also **26 N** and **H**)

H Acoustics, Ultrasonic

14 Statistical Physics and Thermodynamics

A General

B Textbooks

E Thermodynamic: Equilibrium

F Statistical Mechanics: Equilibrium (see also **14 G** and **26 R**)

G Irreversible Processes: Transport Phenomena (see also **14 F** and **26 R**)

H Non-Equilibrium Thermodynamics, Phase Transitions, Non-Linear Systems, Synergetic

I Chaos and Fractals (see also **2 K**)

16 Electrodynamics

E Classical Electromagnetism

F Plasmaphysics, Electrical Discharge

18 Particle Optics, Electron Microscopy (EM)

(Mass Spectroscopy see **22 K**)

A General, Varia, Tables

C Conference Proceedings

E Electron Microscopy, general (including Scanning EM and sample Preparation) (see also **16 D**)

F Scanning-EM/STM/AFM (specific)

G Electron Optics, Particle Optics

H Electron Diffraction, Neutron Diffraction (LEED, RHEED, etc.) (see also **26 G**)

I Electron Spectroscopy, Microanalysis (AEM, EELS, AES, SAM, EDXS etc.) (see also **22 I**)

K EM Applications, Electron Beam Technology, X-Ray Microscopy

M Field Electron and Field Ion Microscopy, Ion Microanalysis

20 Optics

A General, Scattering of Light

B Textbooks

E Lasers and Applications

F Quantum and Non-Linear Optics, Quantum Electronics

G Optical Information and Technology, Image Processing, Holography

H Light Microscopy

I Ultrafast Processes and Lasers

22 Techniques in Spectroscopy (Spectroscopical Techniques)

A General

E Visible (Light), UV and X-Ray (Absorption and Fluorescence)

F IR (Infrared), Terahertz

G Raman-Spectroscopy

H ESR, NMR, Mößbauer

I ESCA, AugerES, UPS, XPS, EXAFS, (see also **18 I**), Tunnel Spectroscopy

K Mass Spectrometry

Z Others

24 Atomic and Molecular Physics, Quantum Chemistry

A General

B Textbooks

E Atomic, Molecular and Complex Spectroscopy

F Non-Radiative Transitions, Fluorescence

G Atomic and Molecular Beams, Scattering Processes

H Chemical Bonds (see also **44 G**)

I Calculations of Molecular Orbitals (for Magnetic Resonance see **22 H**)

26 Condensed Matter Physics

A General

B Textbooks, Monographs

C Conference Proceedings

E Crystallography, Structural Analysis of Crystals, X-Ray Interferometry

F Mineralogy, Solid State Chemistry

G Other Methods for Structure Analysis (e.g. Neutron Diffraction …)
(see also **18**, **22** and **28**)

H Properties of Solids (except Optical Properties)

I Electronic Structure (see also **26 B** and **26 H**)

K Optical Properties, Luminescence

L Semiconductors, Insulators, Organic Solids

M Metals, Metallography

N Polymers (see also **46 F**)

O Periodic Lattices – Low Dimensional Structures (Solids)

P Defects in Crystals, Radiation Damage

Q Crystal Growth and Reactions in Solids

R Liquids, Liquid Crystals (see also **14 F** and **G**)

T Superconductivity, Super Fluidity (see also **6 H**)

U Semiconductor Devices, Solar Cells (see also **34 H**)

Z Others

27 Catalysis

A General
C Conference Proceedings (general)
E Heterogeneous Catalysis
F Applications
K Kinetics
O Homogeneous Catalysis
P Preparation
S Surfaces
T Theory
U Analytical Methods

28 Interfaces, Surfaces, Thin Films, Colloids

A General
C Conference Proceedings
H Surfaces: Structure, Properties, Preparation and Applications (see also **18** and **22**)
K Adsorption (Chemi- and Physisorption)
P Thin Films, Films and Small Clusters, Fullerenes and Nanostructures (see also **29**)
Q Colloids
R Matrix Isolation
S Membranes, Micelles, Vesicle, Micro Emulsions, Aerosols, Liquid Interfaces

29 Nanostructures

A General
B Textbooks
C Conference Proceedings
F Fullerenes, Nanotubes, Graphene
G Nanophysics, Optics, Electronics, Mechanics
I Nanochemistry, Catalysis
P Particles, Wires, Films
S Synthesis, Fabrication
T Theory, Simulation

30 Biophysics und Biochemistry

A Biophysics and Biochemistry, general (see also **44 F** and **32 G**)
C Conference Proceedings
E Photosynthesis

32 Reaction Kinetics and Reaction Mechanisms

A General
B Textbooks
C Conference Proceedings
E Elementary Processes (Electron and Proton Transfer, etc.)
F Kinetics in the Gas Phase
G Kinetics in Solutions
H Kinetics in Biochemistry
Z Others

34 Electrochemistry

A General
B Textbooks
C Conference Proceedings
E Technical Electrochemistry, Fuel Cells, Batteries
F Electrode Processes (see also **48 I** and **L**)
G Electrolytes
H Photo- and Electrochemistry (see also **26 U**)
Z Others

36 Photochemistry and Radiochemistry

E Photochemistry
F Radiochemistry and Isotope Chemistry

38 Physical Chemistry, general

A General
B Textbooks
H Water

39 Energy

A General
B Textbooks
C Conference Proceedings
E Climate and Politics
F Energy Storage
G Energy Sources
H Hydrogen

40 Chemistry, general

A General (Reference Manuals, Encyclopedias, Lexica, Name Reactions)
B Textbooks
E Nomenclature, Information Systems
F Chemical Engineering

42 Inorganic Chemistry

A General
B Textbooks
E Monographs (amongst others Complexes)
F Inorganic Synthesis (see also **44 H**)

44 Organic Chemistry

A General
B Textbooks
E Monographs
F Biochemical Synthesis (see also **30 A**)
G Constitution, Stereochemistry (see also **24 H**)
H Organic Synthesis (see also **42 F**)

46 Macromolecular Chemistry

A General (Manuals, Tables), Textbooks
E Polymerisation
F Polymers (Chemical Properties) (see also **26 N**)
G Ion Exchanges, Polyions (see also **48 K**)
H Preparation and Analysis

48 Analytic Separation and Detection Techniques

A General
E Monographs
F Qualitative Analysis in Inorganic Chemistry
G Quantitative Analysis in Inorganic Chemistry
H Organic and Biochemical Analysis (see also **46 G**)
I pH-Measurements, Buffers (see also **34 F**)
K Chromatographic and Distribution Techniques (see also **46 G**)
L Electrochemical Techniques (see also **34 E** and **F**)
M Spectroscopy (see also **22**)
Z Others

50 Tables, Reference Books

E Chemical Tables

G Landolt-Börnstein

H Beilstein

I Gmelin

60 Other Categories

E Philosophy

G Biology (and Medicine)

I Technology and Engineering, general (Electric Engineering see **6 I**)

Z Others

62 History of Science

A General, History of Science

E History and Philosophy of Science

F History and Philosophy of Physics

G History and Philosophy of Chemistry

P Science Policy

70 General Topics

A Encyclopedias

E Dictionaries

F Address Books, Bibliographies

G Annual Reports, Festschriften, Jubilee Publications

H Academia, Academies, MPS

K Biographies

L Law

X Health and Safety, Radiation Protection

Z Others

70 General Works

A Encyclopedias

1 - 20 Brockhaus etc.

21 - 40 other Lexica, concise Dictionaries

41 - Gelehrten-Kalender (Kürschner, Poggendorff etc.)

E Dictionaries

1 - 20 German Dictionaries (Duden)

21 - 50 Multilingual Books

51 - 100 English

101 - 120 French

121 - 125 Dutch

126 - 130 Swedish

131 - 135 Italian

136 - 140 Spanish

141 - 145 Latin

146 - 150 Greek

151 - 170 Russian und Ukrainian

171 - 175 Polish

176 - 180 Czech

181 - Japanese

F Address Books, Bibliographies

1 - 20 „Who's who"

21 - 50 Address Books (Scientists)

51 - 80 Address Books (Societies)

81 - 100 Address Books (Companies)

101 - Catalogue of Scientific Societies and Institutions (Academies, Universities, Libraries, Museum, etc.)

Register

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