Keyword Catalogue for Wiley-VCH Chemistry Journals

To aid online searching, each article is assigned at least two keywords from this list, which has been developed for the readers of the Wiley-VCH chemistry journals, such as Angewandte Chemie, the European and Asian journals, ChemXChem, as well as ZAAC, ASC, Fuel Cells, Electroanalysis, and QCS.

Ab initio calculations
Absorption
Acidity
Actinides
Acylation
Adsorption
Aggregation
Agostic interactions
Alanes
Alcohols
Aldehydes
Aldol reaction
Alkali metals
Alkaline earth metals
Alkaloids
Alkanes
Alkene ligands
Alkenes
Alkylation
Alkyne ligands
Alkynes
Allenes
Allosterism
Allotropy
Alloys
Allyl ligands
Allylation
Allylic compounds
Aluminosilicates
Aluminum
Amalgams
Amides
Amination
Amines
Amino acids
Amino alcohols
Amino aldehydes
Amorphous materials
Amphiphiles
Amyloid beta-peptides
Analytical Methods
Angiogenesis
Anhydrides
Anions
Annulation
Annulenes
Antibiotics
Antibodies
Antifungal agents
Antigens
Antimony
Antioxidants
Antiproliferation
Antiprotozoal agents
Antisense agents
Antitumor agents
Antiviral agents
Apoptosis
Aptamers
Arene ligands
Arenes
Argon
Aromatic substitution
Aromaticity
Arsenic
Arynes
As ligands
Asymmetric amplification
Asymmetric catalysis
Asymmetric synthesis
Atmospheric chemistry
Atropisomerism
Aurophilicity
Autocatalysis
Automerization
Autoxidation
Azapeptides
Azasugars
Azides
Azo compounds
Azomethine ylides
Barium
Basicity
Beryllium
Betaines
Biaryls
Biocatalysis
Bioinformatics
Bioinorganic chemistry
Biological activity
Biomass
Biomimetic synthesis
Bioorganic chemistry
Biophysics
Biosensors
Biosynthesis
Biotransformations
Biphasic catalysis
Bismuth
Block copolymers
Bond energy
Bond theory
Boranes
Borates
Boron
Bridging ligands
Bromine
C-C activation
C-C coupling
C-Glycosides
C-H activation
C1 building blocks
Cadmium
Cage compounds
Calcium
Calixarenes
Calorimetry
Cancer
Carbanions
Carbene homologues
Carbene ligands
Carbenes
Carbenoids
Carbides
Carbocations
Carbocycles
Carbohydrates
Carbon
Carbon dioxide fixation
Carbon storage
Carbonyl ligands
Carbonylation
Carboranes
Carboxylate ligands
Carboxylation
Carboxylic acids
Carbyne ligands
Carotenoids
CARS (Coherent Anti-Stokes Raman Scattering)
Catalytic antibodies
Catenanes
Cations
Cavitands
Cell adhesion
Cell cycle
Cell recognition
Ceramics
Cerebrosides
Cerium
Cesium
Chain structures
Chalcogens
Chaperone proteins
Charge carrier injection
Charge transfer
Chelates
Chemical vapor deposition
Chemical vapor transport
Chemisorption
Chemoinformatics
Chemoselectivity
Chiral auxiliaries
Chiral pool
Chiral resolution
Chirality
Chlorine
Chromates
Chromium
Chromophores
Circular dichroism
Clathrates
Clays
Cleavage reactions
Click chemistry
Cluster compounds
Cobalamines
Cobalt
Cofactors
Colloids
Combinatorial chemistry
Computational chemistry
Conducting materials
Configuration determination
Conformation analysis
Conical intersections
Conjugation
Cooperative effects
Coordination modes
Copolymerization
Copper
Cracking
Crop protection agents
Cross-coupling

Crown compounds
Cryptands
Crystal engineering
Crystal growth
Cumulenes
Cuprates
Cyanides
Cyanines
Cyclic voltammetry
Cyclitols
Cyclization
Cycloaddition
Cyclodextrins
Cyclooligomerization
Cyclopentadienyl ligands
Cyclophanes
Cyclotrimerization
Cytochromes
Cytokines
Cytotoxicity
Dehydrogenation
Dendrimers
Denitrification
Density functional calculations
Desulfurization
Deuterium
Diastereoselectivity
Diazo compounds
Diene ligands
Dihydroxylation
Dimerization
Dioxygen ligands
Directed evolution
DNA
DNA cleavage
DNA damage
DNA methylation
DNA recognition
DNA replication
DNA structures
Domino reactions
Donor-acceptor systems
Dopamines
Doping
Drug delivery
Drug design
Drug discovery
Dyes/Pigments
Electrochemistry
Electrocyclic reactions
Electron diffraction
Electron microscopy
Electron transfer
Electron transport
Electron-deficient compounds
Electronic structure
Electrophilic addition
Electrophilic substitution
Electrophoresis
Electrostatic interactions
ELF (Electron Localization Function)
Elimination
Enantioselectivity
ENDOR spectroscopy
Ene reaction
Energy conversion
Energy transfer
Enols
Enones
Environmental chemistry
Enynes
Enzyme catalysis
Enzyme models
Enzymes
Epoxidation
EPR spectroscopy
EXAFS spectroscopy
Exchange interactions
Fatty acids
Femtochemistry
Fibrous proteins
Flash pyrolysis
Fluorescence
Fluorescence spectroscopy
Fluorescent probes
Fluorides
Fluorinated ligands
Fluorine
Fluxionality
Fractals
Fragrances
FRET
Fuel cells
Fullerenes
Fused-ring systems
G-Quadruplexes
Gallium
Gas chromatography
Gas-phase reactions
Gels
Gene expression
Gene sequencing
Gene technology
Genomics
Germanium
Glasses
Glycoconjugates
Glycolipids
Glycopeptides
Glycoproteins
Glycosides
Glycosylation
Gold
Graphene
Green chemistry
Grignard reaction
Group 13 elements
Group 14 elements
Growth factors
Hafnium
Halides
Halogenation
Halogens
Heats of formation
Heck reaction
Helical structures
Helium
Heme proteins
Heterocycles
Heterogeneous catalysis
Heterometallic complexes
High-pressure chemistry
High-temperature chemistry
High-throughput screening
History of Science
Holography
Homogeneous catalysis
Hormones
Host-guest systems
Hot-atom chemistry
Hydrates
Hydrazones
Hydride ligands
Hydrides
Hydroamination
Hydroboration
Hydrocarbons
Hydroformylation
Hydrogen
Hydrogen bonds
Hydrogen transfer
Hydrogenation
Hydrolases
Hydrolysis
Hydrophobic effect
Hydrosilylation
Hydrostannation
Hydrothermal synthesis
Hydroxylation
Hyperconjugation
Hypervalent compounds
Imaging agents
Immobilization
Immunoassays
Immunochemistry
Immunology
Imprinting
Inclusion compounds
Indium
Industrial Chemistry
Inflammation
Inhibitors
Insertion
Intercalations
Interfaces
Intermetallic phases
Iodine
Ion channels
Ion chromatography
Ion exchange
Ion pairs
Ion-molecule reactions
Ionic liquids
Ionization potentials
Ionophores
IR spectroscopy
Iridium
Iron
Isocyanide ligands
Isoelectronic analogues
Isolobal relationship
Isomerases
Isomerization
Isomers
Isotope effects
Isotopes
Isotopic labeling
Jahn-Teller distortion
Ketones
Kinetic resolution
Kinetics
Krypton
Lactams
Lactones
Ladder polymers
Langmuir-Blodgett films
Lanthanides
Lanthanum
Laser chemistry
Laser spectroscopy
Layered compounds
Lead
Lewis acids
Lewis bases
Ligand design
Ligand effects

Ligases
Linear free energy relationships
Lipids
Lipophilicity
Lipoproteins
Liposomes
Liquid chromatography
Liquid crystals
Liquids
Lithiation
Lithium
Low-temperature physics
Luminescence
Lyases
Macrocycles
Macrocyclic ligands
Magnesium
Magnetic properties
Main group elements
Manganese
Mannich bases
Mass spectrometry
Materials science
Matrix isolation
Mechanical properties
Medicinal chemistry
Medium-ring compounds
Membrane proteins
Membranes
Mercury
Mesophases
Mesoporous materials
Metabolism
Metal-metal interactions
Metal-organic frameworks
Metalation
Metallacycles
Metallocenes
Metalloenzymes
Metallomesogens
Metalloproteins
Metastable compounds
Metathesis
Micelles
Michael addition
Microarrays
Microporous materials
Microreactors
Microwave chemistry
Mixed-valent compounds
Moessbauer spectroscopy
Molecular devices
Molecular diversity
Molecular dynamics
Molecular electronics
Molecular evolution
Molecular modeling
Molecular recognition
Molybdenum
Monolayers
mRNA
Multicomponent reactions
Multiple bonds
Mutagenesis
Nanoparticles
Nanostructures
Nanotechnology
Nanotubes
Natural products
Neighboring-group effects
Neon
Neurochemistry
Neurological agents
Neurotransmitters
Neutron diffraction
Nickel
Niobium
Nitrides
Nitrogen
Nitrogen fixation
Nitrogen heterocycles
Nitrogen oxides
Nitrogenases
N ligands
NMR spectroscopy
Noble gases
N,O ligands
Noncovalent interactions
Nonequilibrium processes
Nonlinear optics
Nonstoichiometric compounds
N,P ligands
Nucleic acids
Nucleobases
Nucleophilic addition
Nucleophilic substitution
Nucleosides
Nucleotides
Olefination
O ligands
Oligomerization
Oligonucleotides
Oligosaccharides
O-O activation
Organic-inorganic hybrid composites
Organocatalysis
Osmium
Oxidation
Oxido ligands
Oxidoreductases
Oxygen
Oxygen heterocycles
Oxygenation
Ozone
Ozonolysis
Palladium
Peptide nucleic acids
Peptides
Peptidomimetics
Perfluorinated solvents
Pericyclic reaction
Perovskite phases
Peroxides
Peroxido ligands
Phage display
Phase diagrams
Phase transitions
Phase-transfer catalysis
Pheromones
Phosphaalkenes
Phosphaalkynes
Phosphane ligands
Phosphanes
Phosphazenes
Phospholipids
Phosphorus
Phosphorus heterocycles
Phosphorylation
Photoaffinity labeling
Photochemistry
Photochromism
Photoelectron spectroscopy
Photolysis
Photooxidation
Photophysics
Photosynthesis
Phthalocyanines
Physisorption
Phytochemistry
Pi interactions
Plasma chemistry
Platinates
Platinum
P ligands
Pnicogens
Pnictides
Polarized spectroscopy
Polyanions
Polycations
Polychalcogenides
Polycycles
Polyhalides
Polyketides
Polymerase chain reaction
Polymerization
Polymers
Polymethines
Polymorphism
Polyoxometalates
Porphyrinoids
Potassium
Prodrugs
Prostaglandins
Protecting groups
Protein design
Protein engineering
Protein expression
Protein folding
Protein models
Protein modifications
Protein structures
Protein-protein interactions
Proteins
Proteomics
Proton transport
Protonation
Quantum Chemistry
Quantum dots
Quinodimethanes
Quinones
Radical ions
Radical reactions
Radicals
Radiochemistry
Radiopharmaceuticals
Raman spectroscopy
Rare Earths
Reaction mechanisms
Reactive intermediates
Rearrangement
Receptors
Redox chemistry
Reduction
Regioselectivity
Renewable resources
Retro reactions
Rhenium
Rhodium
Ribonucleosides
Ribozymes
Ring contraction
Ring expansion
Ring-opening polymerization
RNA
RNA recognition
RNA structures

Rotational spectroscopy
Rotaxanes
Rubidium
Ruthenium
S ligands
Salt effect
Samarium
Sandwich complexes
Scandium
Scanning probe microscopy
Schiff bases
Selenium
Self-assembly
Semiconductors
Semiempirical calculations
Sensitizers
Sensors
Sequence determination
Sialic acids
Siderophores
Sigmatropic rearrangement
Signal transduction
Silanes
Silicates
Silicon
Si ligands
Silver
Single-molecule studies
Singlet oxygen
Small ring systems
Sodium
Sol-gel processes
Solid-phase synthesis
Solid-state reactions
Solid-state structures
Solvatochromism
Solvent effects
Solvolysis
Sphingolipids
Spin crossover
Spinel phases
Spiro compounds
Stacking interactions
Stannanes
Statistical mechanics
Statistical thermodynamics
Steric hindrance
Steroids
Strained molecules
Strontium
Structural Biology
Structure elucidation
Structure-activity relationships
Substituent effects
Subvalent compounds
Sulfonamides
Sulfur
Sulfur heterocycles
Superacidic systems
Superconductors
Supercritical fluids
Supported catalysts
Supramolecular chemistry
Surface analysis
Surface chemistry
Surface plasmon resonance
Surfactants
Sustainable Chemistry
Synthesis design
Synthetic Biology
Synthetic methods
Tantalum
Tautomerism
Technetium
Tellurium
Template synthesis
Terpenoids
Thallium
Thermochemistry
Thermodynamics
Thin films
Through-bond interactions
Through-space interactions
Time-resolved spectroscopy
Tin
Titanates
Titanium
Topochemistry
Total synthesis
Toxicology
Trace analysis
Transesterification
Transferases
Transition metals
Transition states
Transuranium elements
Tridentate ligands
Tripodal ligands
tRNA
Tungsten
Umpolung
Uranium
UV/Vis spectroscopy
Valence isomerization
Vanadates
Vanadium
Vesicles
Vibrational spectroscopy
Vinylidene ligands
Virtual screening
Viruses
Vitamins
Voltammetry
Waste prevention
Water chemistry
Water splitting
Wittig reactions
X-ray absorption spectroscopy
X-ray diffraction
Xenon
Ylides
Ytterbium
Yttrium
ZEKE spectroscopy
Zeolite analogues
Zeolites
Zinc
Zincates
Zintl anions
Zintl phases
Zirconium
Zwitterions