

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 Molecular Informatics.

(C) Wiley-VCH 26-5-2014

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