

## Keyword index

- | <b>A</b>  |                 |
|---|-----------------|
| • Ab initio .....                               | 403             |
| • Acetalation .....                             | 177             |
| • Acetylation .....                             | 125             |
| • Actinides .....                               | 1201, 1209 1219 |
| • Actinide immobilisation .....                 | 371, 1141       |
| • Acyl glycerides .....                         | 583             |
| • <i>Adenium obesum</i> .....                   | 973             |
| • Adsorption heat .....                         | 305             |
| • <i>Aeollanthus pubescens</i> Benth. ....      | 1107            |
| • <i>Ageratum conyzoides</i> .....              | 1019            |
| • AKT .....                                     | 265             |
| • <sup>27</sup> Al .....                        | 395             |
| • Alga .....                                    | 965             |
| • Alkaline media .....                          | 1205            |
| • Alkoxides .....                               | 521             |
| • Alkyl phosphinates .....                      | 763             |
| • <i>P</i> -alkylphosphines .....               | 845             |
| • Alkyltin .....                                | 785             |
| • $\pi$ -allyl palladium .....                  | 797             |
| • Aluminium complexes .....                     | 809             |
| • Aluminium electrolysis .....                  | 395             |
| • Am .....                                      | 1205            |
| • <i>Amblyomma variegatum</i> .....             | 1101            |
| • Amido-type surfactants .....                  | 623             |
| • Amines .....                                  | 113, 119        |
| • Amino acid-based surfactants .....            | 583             |
| • Amino-alkoxo-alanes .....                     | 509             |
| • Amorphous ceramic .....                       | 471             |
| • Amphipatic peptide .....                      | 249             |
| • Analytical decoupling .....                   | 343             |
| • Anethole .....                                | 1057            |
| • Anilinium hypophosphite .....                 | 763             |
| • Anion-exchange resins .....                   | 151             |
| • Annexin .....                                 | 253             |
| • Annomuricatin C .....                         | 981             |
| • <i>Annona muricata</i> .....                  | 981             |
| • Anti-microbial activity .....                 | 1095            |
| • Antibacterial activity .....                  | 1081            |
| • Antihyperglycemic .....                       | 1073            |
| • Antimicrobial activity .....                  | 629, 1101       |
| • Antimicrobial properties .....                | 1051            |
| • Antioxidant activity .....                    | 1057            |
| • Antioxidants .....                            | 611             |
| • Antioxydative .....                           | 973             |
| • Antiplasmodial .....                          | 1023            |
| • Arginine .....                                | 169             |
| • Aromatic plants .....                         | 1081            |
| • Aromatics .....                               | 669             |
| • Aryloxyphosphites .....                       | 901             |
| • Asphaltene .....                              | 283             |
| • Assignment .....                              | 335             |
| • Asteraceae .....                              | 1019            |
| • Automated measurement .....                   | 97              |
| • <i>Azadirachta indica</i> fruit epicarp ..... | 1047            |
| • Azide .....                                   | 755             |
| <b>B</b>  |                 |
| • Barrels .....                                 | 689             |
| • Basic catalysis .....                         | 151             |
| • Basil .....                                   | 629             |
| • Benin .....                                   | 1023            |
| • Benzoquinonediimines .....                    | 909             |
| • Benzyl benzoate .....                         | 997             |
| • Beta-zeolite .....                            | 623             |
| • Bio-diesel .....                              | 601             |
| • Biodegradability .....                        | 135             |
| • Biodegradation .....                          | 97              |
| • Biofeedstock .....                            | 65              |
| • Biological .....                              | 329             |
| • Biological activity .....                     | 641             |
| • Biological activity against ticks .....       | 1051            |
| • Biomass .....                                 | 569             |
| • Biosurfactants .....                          | 641             |
| • Bismuth .....                                 | 679             |
| • Bismuthopolytungstate .....                   | 1235            |
| • Bisphosphonates .....                         | 35              |
| • Bistability .....                             | 293             |
| • Boranes .....                                 | 823             |
| • Brain tumours .....                           | 213             |
| • Branched alkanes .....                        | 833             |
| • Bulk modulus .....                            | 529             |
| • By-product .....                              | 611             |
| <b>C</b>  |                 |
| • C-Glycopeptide .....                          | 3               |
| • Caesium .....                                 | 1185            |
| • Calixarenes .....                             | 1153            |
| • <i>Callosobruchus maculatus</i> F. ....       | 1043            |
| • Canola .....                                  | 611             |
| • Carbamato complexes .....                     | 877             |

- Carbohydrates ..... 607, 65
  - Carbolithiation ..... 855
  - Carbon dioxide ..... 647
  - Carbon dioxide evolution ..... 97
  - Carbon monoxide ..... 737
  - Carbonate ..... 661
  - Carbonylation ..... 737
  - $\beta$ -Carotene ..... 1063
  - Carotenoids ..... 689, 1063
  - $\beta$ -Caryophyllene ..... 1019
  - Catalysis ..... 679, 747, 809
  - Catalyst ..... 125, 707
  - Catalytic oxidation ..... 45
  - Cationic polymerisation ..... 955
  - Cationic substitution ..... 699
  - C–C bond cleavage ..... 833
  - Cellulose ..... 135
  - Ceramic matrices ..... 1141
  - Charge transfer ..... 321
  - Chelating properties ..... 119
  - Chemical composition ..... 1033
  - Chemical composition of essential oils ..... 1003
  - Chemical durability ..... 1165
  - Chemical shift ..... 403
  - Chemical solution deposition ..... 433
  - Chemotype ..... 1107
  - 1,8-Cineol ..... 1033
  - Classification ..... 213
  - Claus method ..... 45
  - *Clauseana anisata* ..... 1057
  - Cluster aggregation ..... 495
  - Cnidaria ..... 965
  - CO + NO reaction ..... 57
  - CO oxidation ..... 483
  - Cobalt ..... 35
  - Coke combustion ..... 547
  - Combinatorial chemistry ..... 483
  - Complexes ..... 1113
  - Composite-pulse sequence ..... 425
  - Conditioning ..... 1165
  - Conformation ..... 3
  - Congénères de la gentamicine ..... 1087
  - Copolymerization ..... 161, 755
  - Copper (II) ..... 119
  - $\delta$ -D Correlation ..... 305
  - Couette cell ..... 275
  - Coupling ..... 679
  - CP-MAS  $^{13}\text{C}$ -NMR ..... 125
  - CP-REDOR ..... 371
  - Cross-coupling ..... 763, 823
  - Cross-polarisation–magic angle spinning ..... 371
  - Cross-polarization ..... 363
  - Crosslinked polymers ..... 495
  - Crown ether ..... 15
  - Crystal structure ..... 41
  - Cultivation ..... 1013
  - $\text{CuNi}_{1/3}\text{V}_{2/3}\text{O}_2$  ..... 29
  - Cyanidin ..... 973
  - Cyclic peptide ..... 981
  - Cycloaddition ..... 927
  - Cyclodextrin ..... 25
  - Cyclohexane ..... 15, 833
  - Cyclophosphazene ..... 915
- ### D
- 3D7 ..... 1023
  - Daily variation ..... 1013
  - Decomposition ..... 559, 707
  - Decontamination ..... 1185
  - Delafossite ..... 29
  - Delphinidin ..... 973
  - Demethylation ..... 25
  - Dendrimer ..... 503
  - Dendrites ..... 321
  - Density ..... 1039
  - Détection électrochimique ..... 1087
  - Détection fluorimétrique ..... 1087
  - DFT ..... 529
  - DFT calculations ..... 865
  - DFT method ..... 885
  - Diabetes ..... 989, 1073
  - Diagnosis ..... 213
  - Diarrhoea ..... 1095
  - Diastereomers ..... 901
  - Dielectrics ..... 433
  - Diethylaluminium chloride ..... 865
  - Diethylaniline ..... 725
  - 2,4-Dihydroxybenzophenone ..... 143
  - $\beta$ -Diketonates ..... 1191
  - Diiminepyridine ..... 865
  - Diisobutylaluminum hydride ..... 25
  - Dilute liquid crystals ..... 259
  - 2,5-dimethoxy-paracymene ..... 997
  - Diphosphinidencyclobutene ..... 747
  - Dipolar recoupling ..... 363
  - Distillate ..... 1095
  - Disulfide bridges ..... 249
  - DNA ..... 259
  - Dolabelides ..... 941
  - Dosage ..... 1047
  - DOSY ..... 265
  - Drying out ..... 1013
  - DSC ..... 169
  - Dynamics ..... 253
- ### E
- Economic market ..... 641
  - Ecotoxicity ..... 583
  - Electrical properties ..... 29
  - Electrochemical detection ..... 1087
  - Electron microscopy ..... 713
  - Electron Paramagnetic Resonance ..... 293
  - Electronic conductors ..... 293
  - Electronic oxide films ..... 433
  - Electrosynthesis ..... 737
  - ELF ..... 529
  - Ellagitannins ..... 945
  - Emergent chemistry of fatty matter ..... 91
  - Enantioselective ..... 809

- Environment ..... 1219
- Environmentally benign synthesis ..... 569
- Enzymatic synthesis ..... 169
- Enzyme ..... 607
- Epitaxial films ..... 433
- Epoxide ..... 755
- 1,6 $\alpha$ -Epoxyrobustivine ..... 51
- ERETIC ..... 233
- Essential oil ..... 629, 997, 1033, 1039, 1043, 1081, 1095, 1107
- Essential oil composition ..... 1051, 1101
- Essential oils chemical composition ..... 1019
- Esterification ..... 135, 177
- Estragole ..... 1057
- Ethanol reforming ..... 617
- Etherification ..... 151, 177
- *Eucalyptus tereticornis* ..... 1051
- EXAFS ..... 1135

**F**

- <sup>19</sup>F ..... 395
- FAB ..... 965
- Fast imaging ..... 201
- Fatty acid composition ..... 1007
- Ferroelectrics ..... 433
- Fertilizers ..... 635
- Flattened cortical map ..... 207
- Flavone ..... 993
- Flavour ..... 689
- Flocculation ..... 283
- Fluid mechanics ..... 275
- Fluorapatite ..... 699
- Fluorimetric detection ..... 1087
- Folding ..... 253
- Food ..... 221
- Fries rearrangement ..... 143
- FT-IR ..... 125
- Fuel cycle ..... 1227
- Fumigation ..... 1043

**G**

- Gallium ..... 755
- GC/MS ..... 689
- Gedunin ..... 1047
- Gemini surfactant ..... 583
- Gentamicin congeners ..... 1087
- Glasses ..... 351
- Gleysation ..... 1173
- Glycerol transesterification ..... 593
- Glycolipid ..... 965
- Glycosyl amino  $\alpha$ -acid ..... 3
- Grafting silica gel ..... 161
- Green chemistry ..... 103, 151, 679
- Ground granulated blast-furnace slag ..... 389
- Guinean mango varieties ..... 1095

**H**

- H<sub>2</sub> production ..... 617
- Hafnium oxide cluster ..... 495

- Half-integer quadrupole spin ..... 425
- Hard materials ..... 529
- Heartwood ..... 945
- Heck reaction ..... 915
- $\alpha$ -Helical hairpin ..... 249
- Helix ..... 189
- Heterogeneous anions ..... 725
- Heterogeneous catalysis ..... 161, 483, 593, 601, 955
- Heterohenicosatungstate ..... 1235
- Heteropolyanion ..... 1235
- Hexadented ligands ..... 35
- Hexahydroindoles ..... 855
- *Hibiscus sabdariffa* ..... 973
- High temperature ..... 1135
- High-resolution NMR ..... 343
- High-temperature NMR ..... 395
- High-throughput screening ..... 483
- Hollandite ..... 1165
- Homoerythrina alkaloids ..... 51
- Homogeneous catalysis ..... 779, 823
- Homogeneous hydrogenation ..... 769
- HPLC ..... 689, 1047, 1063
- Human brain ..... 207
- Hybrid inorganic–organic polymers ..... 915
- Hybrid materials ..... 241
- sp<sup>2</sup>-Hybridized phosphorus ..... 747
- Hydroalkoxycarbonylation ..... 779
- Hydroboration ..... 463
- Hydroformylation ..... 779
- Hydrogen peroxide ..... 833
- Hydrogen phosphate ..... 371
- Hydrogen sulphide ..... 45
- Hydrogenation ..... 669
- Hydrogenolysis ..... 769
- Hydrolysis constants ..... 537
- Hydrophosphination ..... 845
- 1-Hydroxy 2,5-dimethoxy-paracymene ..... 997
- 2 $\alpha$ -Hydroxycomosivine ..... 51
- *N*-Hydroxylamines ..... 41
- Hydroxylation ..... 833
- Hydroxysulfones ..... 941
- Hyperbranched polymer ..... 503

**I**

- Imines ..... 1119
- Immobilization ..... 161
- iMQC ..... 311
- INADEQUATE ..... 351
- Indium trichloride ..... 885
- Indolic *N*-hydroxylamines ..... 41
- Indolic rings ..... 41
- Industrial utilization ..... 65
- Infrared thermography ..... 483
- Inorganic fluorides ..... 403
- Inorganic–organic hybrid materials ..... 495
- Inositol ..... 989
- Insecticidal activity ..... 1043
- $\pi$ -interactions ..... 871
- Interfaces ..... 1153
- IR ..... 661

- Iron ..... 35
- Isomannide ..... 189
- Isosorbide ..... 189
- Isotope abundance ..... 233

**J**

- *J* coupling ..... 351
- *Jatropha integerrima* ..... 973
- Julia olefination ..... 941

**K**

- Kaolin ..... 955
- Ketene ..... 927
- $\alpha$ -ketoester ..... 3
- Ketonization ..... 833
- Kinetics ..... 547, 559, 1179

**L**

- $\text{La}_2\text{CuO}_4$  ..... 57
- Laboratory catalytic cracking pilot ..... 91
- $\delta$ -lactones ..... 797
- *Lantana camara* ..... 1101
- Lanthanide cuprate ..... 57
- Lanthanide trifluorides ..... 1135
- Lanthanides ..... 521
- Lanthanides (III) ..... 537
- Late transition states ..... 103
- LDA ..... 529, 529
- Lead colloids ..... 509
- Lead nanoparticles ..... 509
- Lewis acid ..... 679, 871
- Life cycle assessment ..... 569
- Ligand ..... 189
- Light elements ..... 529
- Limestone ..... 559
- *Limeum pterocarpum* ..... 989
- Linear alkanes ..... 833
- Lipoamino acid surfactants ..... 169
- Lipoamino acids ..... 583
- *Lippia multiflora* ..... 1029
- Liquid and solid-state NMR ..... 241
- Liquid-phase acylation ..... 143
- Liquid–liquid extraction ..... 1153
- Lithium-7 ..... 425
- Lithium-ion secondary battery ..... 321
- Lovage ..... 629

**M**

- Magic-angle spinning ..... 363
- Magnesium ..... 699, 877
- Magnesium oxide ..... 593
- Magnetic properties ..... 29
- Malaria ..... 989
- *Mangifera indica* ..... 1095
- Maser ..... 329
- Mass index ..... 569
- Materials' evolution ..... 483

- Matériaux durs ..... 529
- MCM-41 ..... 593
- Mechanical properties ..... 135
- Mercury ..... 189, 871
- Mesoporous solids ..... 305
- Metal coordination ..... 909
- Metal oxide ..... 877
- Methane reforming ..... 617
- Methyl oleate ..... 91
- Methyl salicylate ..... 1003
- 18-de-*O*-Methylholidinine ..... 51
- Microorganisms ..... 641
- Microporosity ..... 305
- Microstructure ..... 433
- Microwave ..... 135, 601
- Microwave activation ..... 119
- Microwave irradiation ..... 103, 845
- Migration ..... 1219
- Modelling ..... 547, 559
- Module de compressibilité ..... 529
- Molecular dynamics ..... 1153
- Molecular nitrogen ..... 833
- Molluginaceae ..... 989
- Molten salts ..... 1135
- Monoglyceride ..... 593
- *O*-Mono-benzoylation ..... 143
- Montmorillonites ..... 143
- $\text{MP}_2\text{O}_7$  ..... 351
- MRI ..... 207, 221
- Multi-site coordination ..... 915
- Multimetallic oxides ..... 521
- Multiple Spin Echoes (MSE) ..... 311
- Myrtaceae ..... 1051

**N**

- $^{23}\text{Na}$  ..... 395
- NaF–AlF<sub>3</sub>–Al ..... 395
- Nanobuilding blocks ..... 241
- Nanomaterials ..... 521
- Nanotechnology ..... 433
- Natural products ..... 647
- Neodymium ..... 57
- Neptunium ..... 1191
- Network ..... 189
- Neuroimaging ..... 207
- Nitrile ..... 769
- Nitrogen heterocycles ..... 823
- Nitrogen oxides ..... 707
- Nitrones ..... 41
- NMR ..... 221, 249, 253, 259, 283, 335, 351, 383, 389, 403, 471, 965, 973, 1003, 1135
- $^2\text{H}$ -NMR ..... 233
- $^7\text{Li}$  NMR ..... 321
- $^{31}\text{P}$  NMR ..... 371
- NMR diffraction ..... 311
- NMR MAS ..... 955
- NMR spectroscopy ..... 201, 425
- Non-conventional oil ..... 1007
- Norisoprenoids ..... 689
- Nuclear energy ..... 1227

- Nucleophiles ..... 41
- Nucleosides ..... 901
- Nucleotides ..... 901

**O**

- Oak wood ..... 689
- *Ocimum americanum* ..... 1033
- *Ocimum canum* ..... 1033
- *Ocimum gratissimum* ..... 1013
- Oil sorbent ..... 125
- Oilwell cements ..... 383
- Oleic acid ..... 623
- Oleochemical ..... 647
- Oligomerization state ..... 265
- Optical pumping ..... 305
- Oregano ..... 629
- Organic chemicals ..... 65
- Organic synthesis ..... 103
- Organic–inorganic materials ..... 521
- Organolithium compounds ..... 855
- Overhauser effect ..... 293
- Oxaziridines ..... 1119
- Oxidation ..... 177, 833, 1119

**P**

- Palladium ..... 113, 737, 779, 823
- Palladium catalysis ..... 763
- Palladium complex ..... 747
- Pelargonidin ..... 973
- Pendant polymers ..... 915
- Peroxyimide acid ..... 1119
- pH-switch ..... 15
- Phellinaceae ..... 51
- *Phelline comosa* var. *robusta* ..... 51
- Phenyllithium ..... 941
- Phosphate ..... 1141
- Phosphate ester hydrolysis ..... 915
- Phosphate glass ..... 377
- Phosphates ..... 901
- Phosphine ..... 779
- Phosphine boranes ..... 845
- Phosphine ligands ..... 845
- Phosphinidene complexes ..... 927
- Phosphites ..... 901
- Phospho-aldol ..... 809
- Phosphorofluoridites ..... 901
- Phosphorus heterocycles ..... 823
- Physicochemical properties ..... 1007
- Piezoelectric signal ..... 425
- Pignut ..... 1007
- D-Pinitol ..... 989
- Plant extracts ..... 1023
- Platinum complex ..... 747
- Plutonium ..... 1191
- Polar mechanisms ..... 103
- Poly( $\epsilon$ -caprolactone) ..... 635
- Poly(borosiloxane) ..... 463
- Polygalaceae ..... 1003
- Polymerisable ligands ..... 521

- Polymerisation ..... 945
- Polymerisation co-catalyst ..... 725
- Polysaccharides ..... 1073
- Polysiloxane ..... 503
- PolyTHF ..... 955
- Porous media ..... 311
- Phosphorus-31 NMR ..... 377
- Potentiometry ..... 537
- Powder diffraction ..... 713
- Praseodymium ..... 57
- Pre-ceramic polymer ..... 471
- Precocene I ..... 1019
- Pressure dependency of  $\delta$  ..... 305
- Prins reaction ..... 885
- Processing ..... 647
- Proteic film ..... 97
- Protein ..... 335
- Proton Magnetic Resonance Spectroscopy (MRS) ..... 213
- Proton MRI ..... 275
- Pu ..... 1205
- Pybox ..... 161
- PYR/GC/MS ..... 689
- Pyridine ..... 189
- Pyrrolidines ..... 855

**Q**

- Quadrics and quartics ..... 417
- Quadrupolar nuclei ..... 403, 417
- Quantitative ..... 343
- Quantum chemistry ..... 403
- Quasi-metal lithium ..... 321
- Quercetin ..... 993
- *Quercus petraea* ..... 945
- *Quercus robur* ..... 945

**R**

- Radiation damping ..... 329
- Radical scavenging ability ..... 1057
- Radionuclides ..... 1173
- Radwaste storage ..... 1141
- Raman ..... 661
- Random inorganic network ..... 471
- Rapeseed mea ..... 611
- Rapeseed oil ..... 91
- Rat brain ..... 201
- REDOR ..... 371
- Reduction ..... 707
- Reduction of metal amides ..... 509
- Reference signal ..... 233
- Refraction index ..... 1039
- Relaxation ..... 283
- $^{15}\text{N}$  relaxation ..... 253, 265
- Relaxometry ..... 221
- Release ..... 635
- Remobilisation ..... 1173
- Renewable feedstocks ..... 569
- Reprocessing ..... 1227
- Residual dipolar couplings ..... 259
- 2D *J*-Resolved ..... 201

• Resorcinol .....	143
• Retinotopy .....	207
• Reverse phase chromatography .....	965
• RF-feedback .....	329
• Rh/Al <sub>2</sub> O <sub>3</sub> .....	669
• Rh/CeO <sub>2</sub> .....	617
• Rh/CeO <sub>2</sub> -ZrO <sub>2</sub> .....	617
• Rh/ZrO <sub>2</sub> .....	617
• Rh–aromatic interaction .....	669
• Rheometry .....	275
• Rhodium .....	779
• Rietveld refinements .....	699
• RMN .....	993
• Rotational-echo double-resonance .....	363
• Rutaceae .....	1057
• Ruthenium .....	1215
• Ruthenium catalyst .....	769

## S

• Sage .....	629
• Salen .....	755
• Salvigenin .....	1029
• SAXS .....	169
• <i>Securidaca longepedunculata</i> .....	1003
• Selective acylation .....	607
• Selective hydrogenation .....	113
• Selectivity .....	177
• Semi-empirical .....	403
• Separation by chelating effect .....	1201
• Si/B/N/C system .....	471
• SiBCO ceramic .....	463
• Silane .....	503
• Silica .....	725, 785
• Silicon compounds .....	797
• Silsesquioxanes .....	785
• Sinapic acid .....	611
• Sinapin .....	611
• Single-source precursors .....	471
• Sintering .....	1141
• Size dependent properties .....	509
• Slow motions .....	253
• Software .....	335
• Sol-gel .....	521
• Solid-state NMR .....	363, 785
• Solomon multiple echoes .....	417
• Solvent extraction .....	1007
• Sonochemistry .....	1191
• Speciation .....	1219
• Spectrophotometry, iron (iii) .....	1113
• Spectroscopic imaging .....	201
• Spin-counting .....	363
• Spiral encoding .....	201
• Spurious signal suppression .....	425
• Stereoselective reduction .....	3
• Stereoselectivity .....	797
• Stibiopolytungstate .....	1235
• Strontium .....	1185
• Structure .....	189, 351
• Subcritical fluid .....	647
• Substituted triazine .....	1113

• Sucrose .....	151, 177
• Supercritical carbon dioxide .....	1209
• Supercritical fluid .....	647
• Supercritical fluid extraction .....	629
• Supramolecular chemistry .....	871
• Surface active properties .....	583
• Surfactant .....	151, 607
• surfactants cationiques .....	1113
• Synergism .....	1153
• Synthesis .....	713
• $\pi$ -systems .....	909

## T

• Tantalum oxide cluster .....	495
• Tartaric acid .....	119
• Tartramides .....	119
• Tc .....	1201
• TCNQ .....	871
• Technetium .....	1215
• Tecton .....	189
• <i>Template</i> .....	713
• Template ordering of metal particles .....	509
• <i>Tephrosia albifoliolis</i> .....	993
• <i>Tephrosia deflexa</i> .....	993
• Tertiary amines .....	151
• Tetrahydropyran .....	885
• Tetrol .....	25
• Thermal oxidation .....	45
• Thermal properties .....	135
• Thermogravimetric analysis .....	547, 559
• Thermolysis .....	785
• Thixotropy .....	1039
• Thorium .....	1191
• Thorium(IV) .....	537
• Thorium phosphate .....	371
• Tin-119 NMR .....	377
• Titanium cluster .....	241
• Titanium oxide cluster .....	495
• Toxicity .....	583
• Traditional medicine .....	1023, 1073
• Transmutation .....	1215
• Transport .....	15
• Trichloroacetonitrile .....	1119
• Triethylenetetramine .....	623
• Triflate .....	679
• Triglycerides .....	601
• Tris(pentafluorophenyl)borane .....	725
• <i>n</i> -Triacontane .....	1029
• TTF .....	871
• Tungsten carbonyl complexes .....	909

## U

• Ultra-thin films .....	433
• Uranium .....	35
• Uranyl hydrolysis .....	1179
• Uranyl oxygen exchange .....	1179
• Ursolic acid .....	1029
• US-PP .....	529
• US-PP, ELF .....	529

- *Uvaria* ..... 997
- UV–visible absorption ..... 909

**V**

- Vacant heteropolytungstate ..... 1235
- Validation ..... 1087
- Vanadium(V) ..... 833
- Variable-range hopping ..... 29
- Vegetable oils ..... 113
- Vegetative cycle ..... 1013
- Velocimetry ..... 275
- *Verbenaceae* ..... 1101
- Vinyl sulfones ..... 941
- Viscosity ..... 283, 1039
- Vision ..... 207
- Visual cortex ..... 207
- Vitamin A deficiency ..... 1063
- Volatile organic chemicals ..... 569

- Voltammetry ..... 737

**W**

- Water ..... 329, 647
- Water–gas shift reaction (WGSR) ..... 617
- Waterlogged soils ..... 1173
- Wheat straw ..... 125
- Wood ..... 635

**X**

- X rays ..... 1029
- X-ray diffraction ..... 383, 661

**Z**

- Zeolites ..... 713
- Zirconolite ..... 1165
- *Ziziphus mauritiana* ..... 1073