

SUBJECT INDEX

- Achillea* L. plants, alkanes from, 443
Aldehydes, aminoalcohol-catalyzed reaction with dialkylzinc, 681
Alkanes, photoelectron spectra of, dependence on molecular structure, 673
Aluminium electrode in NaCl soln., real surface area of, 685
Ascorbic acid, kinetic detn. of, 141
Avarone, kinetics of reduction of, 647

Benzoylacrylic acids, substituted, cytostatic activity of, 505
Beryllium oxide, electronic spectrum of, 721
Bismuth silicon oxide, single crystal growth, 553
Bismuth(III), detn. of micro amounts of, 55

Cadmium, detn. in low-alloyed tin, 707
Campylobacter jejuni, isolation and characterization of, 21
Carboxy uracils, N-substituted, solvent effects in spectra, 149
Chromium-cobalt-aluminium system, thermodynamic properties of, 765
Chromium-cobalt-molybdenum system, thermodynamic properties of, 765
Cobalt(II) benzimidazole complexes, antibacterial activity of, 381
Cobalt(II) complexes with pendant octaazamacrocycles, 191
Copper(I) sulfide chlorination, thermodynamic analysis of, 365
Copper(II) benzimidazole complexes, antibacterial activity of, 381
Copper(II) porphyrins in Cretaceous-Tertiary boundary layer, 349
Coumarin derivatives, antimicrobial activity of, 1
Coumarin, synthesis of derivatives of, 1

10-Diacetylbaccatin, isolation from *Taxus baccata*, 497
Dialkylzinc, role in reaction of alkylation of benzaldehyde, 447
Dibenzopentaphene dianion, oxidation of, 563
Dinaphthopentaphene dianion, oxidation of, 563
1,3-Dioxolane - *n*-alkane systems, mixing rules for, 801

Electrochemical cell, current distribution in, 341, 795
Electrosorption of sulfate anions on silver, 539
Fluorenone-1-carboxylic acids, synthesis of, 91

Gel-polymeric electrolytes, electric conductivity of, 117
Glycosides, alkyl, synthesis of in presence of tin(IV), 169
Gold nanoparticles, electrophoretic deposition of, 259

Highly oriented pyrolytic graphite (HOPG), 483
Hormone secretagogues, synthesis of, 571
Hydroxybenzenes, protonation constants of, 533
Hydroxy-seco estrone derivatives, synthesis of, 393

Indole derivatives, protonation in sulfuric acid, 775
Ketones, rigid, redn. by $Mg(OH_2)$, 173

Lanthanides, light, substituted nitrobenzoates of, 235

- Lithium niobate single crystals, optical properties of, 637
- Malvin and tannic acid copigmentation, 599
- Manganese(IV)-arsenic(III) indicator reaction, 61
- Mass transfer during electrodeposition of metals (Review), 317
- Material resistance curve evaluation, 221
- Mercury cadmium telluride, epitaxial vapour phase growth, 463
- Molecular graphs, hyperenergetic, 199
- Montmorillonite, ion exchange on, 207
- N*-benzyl-2-phenylacetamide, benzylation of, 83
- Nickel ferrites from β -diketonato complex compounds, 297
- Nickel(II) chelate complexes, thermal behaviour of, 123
- Nickel-tungsten alloys, electrodeposited, 245
- Ochrolifuranine A, total synthesis of, 155
- Oxalic acid, reaction with sodium orthoarsenate, 39
- Oxorhenium(V) complexes, effect of ammonia gas on, 519
- 4-Oxothiazolidine derivatives with two exocyclic C=C bonds, 311
- Oxovanadium(IV) pyromellitate complex, polymeric, 513
- Oxygen reduction on single-crystal Pt electrodes, 695
- Palmitic acid, supersaturated soln. in oleic acid, 471
- Phenol-formaldehyde novolac resins, study of structure, 177
- Phytic acid, method of detn. of, 303
- Polyaniline film porosity, investigation of, 265
- Polyethylene, low density, synthesis of, 577
- 1,3-Propane-diamine-*N,N'*-diacetato cobalt(III) complexes, 31
- Propylimino-oxotetrahydro thiazoles, derivatives of, 163
- Pyrazole derivatives, biological activity of, 9
- Pyrazole, synthesis of derivatives of, 9
- Pyrazolo[3,4-d]pyrimidine derivatives, 655
- Pyridazin-3(2*H*)-ones, synthesis of, 663
- Pyridine saccharinates of Co, Ni and Cu, 609
- Pyridyl porphyrin, complex with metal phthalocyanine, 453
- Pyrite oxidation by hydrogen peroxide, 753
- Satureja adamovicii* Šilić, fatty acids and alkanes of, 389
- Satureja fukarekii* Šilić, fatty acids and alkanes of, 389
- Sepiolite paper, sorption of NO_x and ammonia on, 215
- Sepiolites, physical-chemical characteristics of, 131
- Sesquiterpene lactones from Yugoslavian plants (Review), 397
- Silicon nitride, sol-gel derived, 285
- Silver single crystals, electrodeposition of Br ions on, 47
- Silver(I), catalytic titration of, 61
- Silver, electrochemical deposition on pyrolytic graphite, 483
- Silver, electrosorption of sulfate anions on the (111) face, 539
- Sodium dodecyl sulfate, retardation of reaction of Nile Blue with hydrogen peroxide, 359
- Sodium orthoarsenate, mono-H, reaction with oxalic acid, 39
- Taxol[®], semisynthesis of, 497
- Taxus baccata*, isolation of 10-diacetylbaccatin from, 497
- Technetium-99m pyrophosphate, *in vitro* stability of, 375
- Titanium surfaces, oxide films on, 275
- Titrimetry, catalytic, expert system for, 71
- Triazine - Schiff bases metal complexes, 621
- Tri-*n*-butyl phosphate, self-association and association of, 789
- Vanadyl porphyrins in kerogens/asphaltenes, 97
- Vanadyl porphyrins, incorporation into kerogen during catagenesis, 589

- Water of crystallization, thermal studies of, 737
- Xanthan gum in aqueous solns., rheological properties of, 109
- Zinc(II) benzimidazole complexes, antibacterial activity of, 381
- Zinc, detn. in low-alloyed tin, 707
- Zirconium - nickel alloy, hydriding/dehydriding cycles of, 745