



Subject Index

- acetate, 139
- adsorption, 51, 57
- alkali cation, 155
- alkyl derivatives, 125
- 4-aminopyridine, 105
- α -cyclodextrin, 125
- amino acids, 133
- ammonium ion, 147
- ammonium ion-selective electrode, 201
- amphiphilic, 175
- anion-exchange, 89
- anionic clay, 89, 187
- aqueous solution, 133
- association constant, 77
- atrazine, 19, 57
- azoanilinium chlorides, 71

- bentonite, 57
- benzo-18-crown-6, 83
- β -cyclodextrin, 37, 77, 139, 179
- BIACORE, 167

- calix[4]arenephosphonous acids, 19
- calixarene, 97, 147, 175
- calorimetric titration, 133
- carprofen, 111
- cation- π interaction, 201
- cavitand, 155
- CDs, 195
- clay minerals, 51, 57
- clotrimazole, 1
- complex formation, 125
- complexation, 65, 97, 155
- crown ether, 27
- crown ethers complexes, 207
- crystal structure, 15
- cyclodextrin inclusion complexes, 1
- cyclodextrin, 167

- deintercalation, 89
- diazines, 51
- 2,4-dichlorophenoxyacetic acid, 19
- diclofenac, 179
- diffuse reflectance spectroscopy, 43
- dissolution rate, 179
- dissolution, 111

- EDTA, 139
- electrospray mass spectrometry, 65
- erythrocyte, 175

- factorial design, 139
- fluorescence, 121, 147
- formation constants, 139

- gold surface, 167
- guest-host complexes, 19

- haemolytic, 175
- H-bonding patterns, 27
- heat of dissolution, 1
- herbicides, 57
- homooxalixarene, 97
- host-guest complex, 27

- host-guest compound, 15
- host-guest interaction, 195
- hydrotalcite-like compounds, 187
- hydroxypropyl- β -cyclodextrin, 111

- ibuprofen enantiomers, 195
- immobilized guest, 167
- inclusion complex, 77, 111, 167, 179
- inclusion complexation, 71
- inclusion complexes, 139, 195
- intercalation, 43, 51, 57, 89, 105, 187
- ionophore, 155
- IR spectroscopy, 51, 57
- IR, 105
- isomers of pyrimidine-2,4,5,6(1*H*,3*H*)-tetraone 4,5-dioxime, 27
- isostructurality, 37

- kaolinite, 57

- layered double hydroxide, 89, 187
- layered FePS₃, 105

- macrolactones, 121
- mercury complexes, 207
- mercury salts, 121
- methylene blue, 43
- microcalorimetry, 125
- molecular sieves, 43
- montmorillonite, 51, 57
- mordenite zeolite, 43

- nitroprusside anions, 187

- one-dimensional chain, 83

- paramagnetism, 105
- paroxetine, 37
- particle size distribution, 1
- partition coefficient, 1
- Pb, 139
- Pd complex, 83
- peptides, 133
- photostability, 111
- PM3, 195
- polygodial, 77
- Pt complex, 83
- pyrimidine, 51
- p*-sulfonatocalix[n]arenes, 133

- recognition, 155
- resorcinarene, 155
- reversed phase HPLC, 19

- selectivity, 121
- sepiolite, 51
- Solid Lipid Nanoparticle (SLN), 175
- solubility properties, 1
- solubility, 111
- solvation, 207
- solvent effect, 71
- steroids, 65
- substituent effect, 71
- surface plasmon resonance, 167
- surface tension, 1, 71

synthesis and crystal structure, 83

TGA, 57

thermal analysis, 37, 77

thiacalixarene, 15

tripodal phenoxy receptor, 201

water-soluble calixarenes, 65

wettability, 1

X-ray crystal structure, 97

X-ray crystallography, 27

X-ray structure, 37

XRD, 57, 105

zeolite acidity, 43