

ÍNDICE DE PALAVRAS-CHAVE - QUÍMICA NOVA, VOL. 29, 2006

- 1,2,3-triazoles; 569
 1,3,5-triazine; 520
 2-iodobenzamide; 444
 2,2',4,4',6,6'-hexanitrostilbene; 681
 3-hydroxypropenal; 1187
 5-CQA; 1164
 9-methoxy-canthin-6-one; 264
 11-membered macrolactam; 444
 99m technetium radioligands; 1072
 α and β -glucosidases; 840
 α -bromoacetophenones; 1259
 α -helices; 997
 β -cyclodextrin; 685
 ^1H NMR; 160
 $[\text{Cu}_x[\text{Si}_y\text{Al}]\text{-MFI}, [\text{Co}_x[\text{Si}_y\text{Al}]\text{-MFI}]; 223$
 $\text{K}_4\text{Nb}_6\text{O}_{17}$; 1215
- ab initio*; 1266
 acetaldehyde derivatization; 662
 acid leaching; 1175
 acid mine drainage; 735
 acid rock drainage; 510
 acid-base chemistry; 1114
 acid-base indicator; 600
 activated carbon; 247
 activated carbons; 1226
 activation energy; 385, 940
 adsorption; 247, 786, 829, 1226
 adsorption of dichromate ions; 496
 advanced oxidation processes; 310
 aerospace; 129
 AIDS; 555
 air pollutants; 872
 air pollution; 471
 air-sea exchange; 54
 alcohol content; 1110
 alcohol fuel; 66, 741
 alcoholysis; 956
 algae; 1365
 alkaloids; 1365
 alkylamine ionization; 1072
 alkylarylketones; 5
 alkylbenze sulfonate surfactants; 1038
 allelopathy; 746
 allylation and croylation; 1009
Aloysia sellowii; 200
 Alzheimer's disease; 415
 AM1 conformational and configurational analysis; 1106
Amburana cearensis; 1241
 amidine; 1301
 amino acids; 786
 aminoacids; 997
 ammonia; 54
 ammonia and dissolved oxygen; 689
 AMPA; 1372
 amphenicols; 926
Anacardiaceae; 1287
- Analytical Chemistry; 1150
 analytical instrumentation; 1377
 analytical methodologies; 293
 analytical methods; 1326
 anatoxin-a; 1365
Andira fraxinifolia; 1184
 antifungal activity; 467
 antigen-antibody; 137
 antioxidant; 493, 907
 antioxidants; 113
 antiproliferative assays; 452
 antiretroviral; 1159
 antiviral drugs; 240
 applications; 569, 790
 apprenticeship; 1381
 aquatic environments; 901
 aqueous biphasic system; 1332
 aqueous two phase system; 1345
 archaeology; 422
 aromatic plant; 373
 Arrhenius equation; 385
Artemisia annua L.; 368
 artemisinin production; 368
 aryl radical cyclization; 444
 ascorbic acid; 719
 Asteraceae; 999
 asymmetric catalysis; 1009
 Atibaia River; 689
 ATM; 1340
 atmospheric COVs; 477
 atomic absorption spectrometry; 868, 1193
 atomic force microscopy; 137
 azo dye; 983
- bacterial resistance; 844
 ball milling; 216
 base catalysis; 358
 battery; 960
 bauer-7-en-3 β -yl acetate; 245
 bean; 149
 beer; 1326
 benzo(a)pyrene; 657
 benzothiazines; 1106
 benzoylbenzofurans; 1259
 benzylidene benzothiazines; 1106
 bioactive compounds; 965
 bioactive glass; 100
 bioassays; 419
 bioautography; 746
 biocatalysis; 865
 biodegradability; 20
 biodegradable polymers; 811
 biodegradation; 811
Biomphalaria glabrata; 901
 biosensor; 932
 biotechnology; 1345
Bixa orellana; 507
 Blue rayon; 528
Bombacopsis glabra; 213
- bovine liver; 234
 Brazilian institutions; 168
 bromine chloride; 1169
 brown pulp; 922
- caffeine; 911
Calophyllum; 549
 cancer; 1307
 canister; 477
 cannabinoids; 318
Cannabis sativa; 318
 capillary electrochromatography; 300
 capillary electrophoresis; 66, 1377
 cashew apple wine; 489
Cassia; 1279
 catalytic ozonation; 24
 cellulignin; 710
 cement; 699
 chaotropics; 543
 checkpoints; 1340
 cheese; 876
 chemical characterization; 1198
 chemical constituents; 452
 chemical constitution; 1241
 chemical demonstrations; 173
 Chemical education; 168, 381
 chemical engineering course; 881
 chemical residues in universities; 404
 chemical variability; 1203
 chemical waste management; 397, 404
 chemiluminescence; 381
 chemistry communication; 173
 chemometrics; 338, 654, 1401
 chimiotypes; 200
 chiral stationary phases; 1027
 chirality; 997
 chitosan; 501, 776, 932
 chitosan-tripolyphosphate; 34
 chloramphenicol; 586
 chromium; 440
Chrysophyllum marginatum; 493
 citral; 1221
 clay catalysis; 376
 coconut water; 654
 coenzyme M reductase; 1003
Coffea arabica; 1164
Coffea canephora; 1164
 coffee; 965
 coffee composition; 911
 colloidal systems; 600
 colorants; 124
 commercial chemistry; 1138
 complexes; 761
 comprehensive two-dimensional gas chromatography; 765
 computational chemistry; 535
 computer program; 160
 concrete; 79
 contamination; 256

- continuum model; 535
 conventional precipitation; 496
 coordination compounds; 269
 copper; 1110
 coriander; 436
 crystal violet; 194
 crystallization; 646
 curriculum; 1381
 cyanide free; 15
 cyanuric chloride; 520
 cyclic voltammetry; 208
 cyclopalladated compound; 750
- dangerous chemicals; 1138
Davilla elliptica; 947
 decaffeination; 965
 degradation; 124, 251
 demonstrations experiments; 381
 determination of LAB; 1038
 determination of LAS; 1038
 diabetes and Gaucher's diseases; 840
 dimensionally stable anodes; 796
 direct injection; 72
 disposal; 79
 DNA cleavage; 1086
 drug design; 326
 dry deposition; 471
 DSA; 983
 dyes; 823
- effect of substituents; 1187
 effective atomic polarizability; 1072
 electroanalysis; 1054
 Electroanalytical Chemistry; 1150
 electroanalytical methods; 105
 electrochemical; 129
 electrochemical impedance spectroscopy; 796
 electrochemical sensors; 1318
 electrode materials; 216
 electrodeposition; 15
 electroluminescence; 277
 electrospray ionization; 287
 electrospray ionization mass spectrometry; 351
 enalapril maleate; 685
 enantiomer separations; 1027
 enantiomeric excess determinattion; 351
 encapsulated lubricating oil; 1210
 endocrine disrupters; 817
 energetic materials; 681
 environment; 397
 environmental chemistry; 817, 872
 environmental contamination; 950
 environmental education; 611
 environmental management of residues; 404
 environmental samples; 1169
 environmentally friendly technologies; 310
 enzymes; 1307
 essential oil; 200, 373, 907, 999, 1203
 essential oil composition; 467
 ethanol; 695
 ethyl esters; 956
- exopolysaccharides; 85
 experimental design; 338, 641
 extracellular hemoglobin; 666
- F430; 1003
 Fabaceae; 1279
 factorial design; 149, 208, 695
 fast reactions; 1101
 fermentation; 489
 ferroin; 741
 final disposal; 699
 first derivative spectrophotometry; 230
 fish skin; 895
 flavones; 213
 flavonoids; 947, 1250, 1287
 flavonol glycosides; 415
 flow injection; 1237
 focused-microwave; 1210
 focused-microwave-assisted digestion; 149
 folates; 972
 food; 972
 food dyes; 230
 foods; 105
 free fatty acid determination; 593
 Freitas Machado; 621
 fuel ethanol analysis; 662
 fuel; 765
 fuel oil; 940
 fumonisins; 293
- Galianthe brasiliensis*; 452
 gaseous air pollutants; 365
 gasoline; 580
 GC/MS; 1372
 generalized two-dimensional correlation spectroscopy; 143
 genotoxic contaminants; 528
 glucans; 85
 glyphosate; 829, 1372
Gochnatia; 999
 graduate education; 1121
 Gram-positive bacteria; 844
 green chemistry; 1332
 Guanabara Bay; 54
- halogenation; 1061
 heavy metals; 28, 61, 256, 429
 heme iron; 1270
 hepatotoxicity; 1047
 heterogeneous photocatalysis; 20
 hexacoordinated; 666
 high performance liquid chromatography; 300
 high performance size exclusion chromatography; 956
 high voltage power supply; 1377
 higher education; 1387
 History of Chemistry; 1129
 history of chemistry in Brazil; 621
 History of chemistry teaching; 1129
 HIV; 555, 840
 HNS; 681
 homatropine methylbromide; 1237
- homogeneity; 234
 homogeneous catalysis; 1180
 homogeneous catalytic process; 750
 homogeneous solution precipitation; 496
 honey; 586, 950
 hormones; 817
 HPLC; 436, 719, 1159
 HPLC methodology; 972
 HSCCC; 947
 hydrogen peroxide; 11
 hydrogen storage materials; 216
 hydrolyzable tannin; 507
 hydrossoluble derivatives; 776
 hyperpolarizability; 1266
Hyptis suaveolens; 1203
- ICP OES; 440, 654
Ilex paraguariensis; 1233
 immobilization; 251, 710
 immunoassay; 137
in memoriam; 1150
in situ technique; 1078
in vitro tests; 100
in vivo measurements; 1318
 industrial chemistry course; 881
 industrial chemistry undergraduate course; 621
 informal education; 173
 Infrared; 143
 inorganic and organic contaminants; 66
 inorganic chemistry; 397
 instrumental methods; 1114
 integrase; 555
 intercalation; 1215
 interesterification; 646
 ion exchange; 1215
 ion-selective electrodes; 1094
 iron complexes; 269
 iron oxide; 1255
 isocyanuric chloride; 520
 isohemigossypolone; 213
- Justus von Liebig; 1129
- Kalanchoe* species; 415
 ketoprofen; 704
 kinetic method; 351
 kinetics; 1101
- landfill leachates; 20
 Lavoisier; 388
 Leguminosae; 1279
 Lewis acids and bases; 1009
 limestone; 1244
 lipase; 710
 lipases; 93
 lipid oxidation; 755
 lipids; 422
 liposomes; 704
Lippia alba; 1221
 liquid chromatography; 240, 1027
 low-density polyethylene; 674
 lower detection limit; 1094
 lubricating oil; 1193

maize; 293
 malaria; 368
 Malvaceae; 1250
 mass spectrometry; 287
 materials for electric energy distribution networks; 724
 medicinal chemistry; 326
 medicinal plant; 1221
 membrane; 876
 metal; 960
 metal determination; 1193
 metal ions; 1332
 metal recovery; 856
 metallic ions; 24
 metallic surface; 805
 methods; 1301
 methylene blue; 208, 501
 methylmercury; 1169
 methylxanthines; 1233
 micellar electrokinetic chromatography; 926
 microcomputers; 1401
 microelectrodes; 1318
 microparticle; 990
 microspheres; 34
 microwave; 376
 milk; 586, 876, 926
 minerals; 786
 modified MCM-41; 440
 moisture content; 373
 molecular absorption; 868
 molecular mechanics; 269
 molecular modeling; 977
 molecular sieves; 358
 mollusk; 52
 molybdenum determination; 153
 monitoring of the flux of species; 1078
 monolithic stationary phases; 300
 multiresidue pesticide; 950
 multivariate analysis; 429, 1401
 myoglobin complexes; 1270

N K XANES; 823
 n-alkylamines; 187
 nanocoating; 990
 nanodiamond; 129
 nanoelectrode; 1054
 nanoparticle; 990
 nanostructure; 805
 naphthopyran; 607
 National School of Chemistry; 881
 natural antioxidants; 755
 natural products; 326
 Near Infrared; 143
 neurodegeneration; 1352
 Newton; 388
N-halosaccharin; 1061
 nickel complexes; 1003
 nitrate; 895
 nitrite; 895
 nitrogen; 46
 nitrogen dioxide; 365
 NMR spectroscopy; 685
 NO reduction; 223
 Norrish Type I; 5

Norrish Type II; 5
 ochratoxin A; 436
Ocimum basilicum L.; 1198
 oil and fat quality; 593
 olefin polymerization; 1180
 ONIOM; 187
 optogalvanic effect; 1361
 organic compounds; 287
 organochlorinated compounds; 61
 organolanthanide compounds; 1180
 osmolytes; 543
Ottonia martiana; 746
 oxidation; 1061
 oxidative damage; 1352
 oxidative processes; 1270
 oxidative stress; 113, 1340
 oxygen delignification; 922
 oxysulfur radical; 1086
 ozone; 310, 922

paints; 724
 partition coefficient; 704
 passive sampler; 365
 passive sampling; 872
 pentacoordinated; 666
 peroxidase; 932
 pesticides; 105, 637
 petroleum; 765
 pharmaceutical applications; 776
 pharmaceuticals; 153
 pharmacological study; 549
 phenol; 24, 1226
 phenolic compounds; 1184
 phenolic lipids; 1287
 phenyltrimethylammonium tribromide; 1259
 phosphorus; 28
 photochromism; 607
 photodegradation; 674
 photoionization; 156
 photoluminescence; 277
 physical chemistry; 1121
 physico-chemical characterization; 489
 phytochemical study; 549
Piper; 467
 pitch; 459
 pK_a; 600
 planetary citizenship; 611
 plant metabolism; 456
 plasma samples; 72
 plastic waste; 811
 platinum; 761
 PLE; 865
 polarizability; 1266
 poly(aniline); 823
 poly(*p*-phenylene vinylene); 916
 polycarbonate membrane; 1054
 polycyclic compounds; 528
 polymer; 277
 polymers; 124, 977
 polypeptides and proteins; 1326
 polypropionates; 52
 polypropylene; 674

polypropylene vials; 862
 polyurethane foam; 230
 porcine liver esterase; 865
 post-graduation; 1387
 potentiometric titration; 593
 potsherds; 422
 preconcentration; 203
 primary literature; 1121
 Prins cyclization; 834
 process analytical technology; 1065
 process control; 1065
 prodrugs; 1307
 propane oxidation; 223
 propolis; 245
 protein oxidation; 563
 protein peroxide; 563
 protein stability; 543
 proteins; 1345
 proton affinities; 187
 pyridoxine; 719
 pyrocatechol; 1255
 pyrrolizidine alkaloids; 1047

Qualitative Analytical Chemistry; 168, 1381
 quantitative ¹H NMR; 911

RAHB; 1187
 RAM column; 72
 reactive dye; 983
 reactive dyes; 11
 reactive species; 113
 real-time monitoring; 1065
 reduction of acetaldehyde; 662
 reductive N-carbonylation; 750
 refractive index; 1078
 reinforced concrete; 724
 remediation; 34, 735
 residues; 699
 response surface; 695
 review; 790
 rice husk; 1175
 river sediment; 40
 rock; 46
 Romenian works; 1361

safety; 1138
 salinity; 901
 sample addition; 1210
 sample pretreatment; 862
 Sapotaceae; 493
 scientific and technology literacy; 611
 seasonal fluctuation; 1233
 sediment geochemistry; 256
 selectivity; 1094
 self-assembled films; 916
 semiconductors oxide electrode; 796
Senecio; 1047
 separation; 203
 SERS; 805
Sida galheirensis; 1250
 silica; 1175
 silicon; 28
 silver sol; 194

- singlet oxygen; 563
Siphonaria; 52
sludge; 419
SNIF-NMR; 456
sodium thiosulfate; 1255
soil; 46, 429, 657, 829
soil contamination; 960
sol-gel; 100
solid sampling atomic absorption; 234
solid-phase extraction; 637
solvent effect; 535, 977
sorbents; 637
sorption isotherm; 657
spectrokinetics; 607
spectrophotometry; 741
spectroscopic data; 1241
spectroscopy; 507, 1361
spectrum simulation; 160
spent catalysts; 856
spreadsheets; 338
stability studies; 240
stereoselective synthesis; 834
stopped-flow; 1101
structural characterization; 85
structured lipids; 646
succinic anhydride; 501
sugar cane cultivation; 61
sugar cane spirit; 247, 1110
sulfation; 1244
sulfide reactivity; 510
supercritical fluid extraction; 1198
supercritical fluids; 790
surface enhanced resonance Raman spectroscopy (SERRS); 194
sustainable development; 40
synchrotron radiation; 156
synthesis; 569, 1301
synthetic antioxidants; 755
talc; 459
taraxerone; 264
TBARS test; 907
teaching; 1387
teaching experiment; 385
temperature programmed reduction; 641
Tenax tubes; 477
tetrahydropyrans; 834
textile dyes; 419
theory of affinity; 388
therapeutic properties; 318
thermochemistry; 1393
thermogravimetry; 940, 1244
thermometer; 1393
thermometry; 1393
thickness effect; 916
threshold photoelectron spectroscopy; 156
tirucallane; 264
titanium dioxide; 251
TPR; 641
trace metals; 40
transesterification; 376
transgenic and knockout mice; 1352
transition metal ions; 1086
triacylglycerols; 93
triphenylstibine; 761
triterpenes; 1184
triterpenoids; 245
turbidimetry; 1237
undergraduate instrumental analysis; 868
UV radiation; 11
validation; 1159
vancomycin; 844
vapor pressure; 580
vaporization enthalphy; 580
vegetable enzymes; 93
vinegar; 456
voltammetry; 153, 510
waste management; 856
water analysis; 862
water quality index; 689
water/water chemistry; 1114
wet deposition; 471
wood extractive; 459
WTP sludge; 79
XAD-1180/PV chelating resin; 203
zeolites; 358
zeolitic material; 735
zinc plating; 15