

2000 年湖南大学化学生物传感与计量学国家重点实验室发表国际论文一览

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[关键词] 2000 年 , 湖南大学 , 化学生物传感 , 计量学 , 国际论文

- 1 . Cao—YZ , Chen—ZP , Mo—CY , Wu—HL , Yu—RQ , A parafac algorithm using penalty diagonalization error (PDE) for three—way data array resolution , Analyst , 125 (2000) 2303—2310 .
- 2 . Xu—CJ , Li ang—YZ , Jiang—JH , Resolution of the embedded chromatographic peaks by modified orthogonal projection resolution and entropy maximization method , Analytical Letters , 33 (2000) 2105—2128
- 3 . Gan—F , Liang—YZ , A novel—approach to the retrieval of the mass—spectrum of a mixture , Analytical Sciences , 16 (2000) 603—607
- 4 . Wu—HL , Yu—RQ , Shibusawa—M , Oguma—K , Second—order standard addition method based on alternating trilinear decomposition , Analytical Sciences , 16 (2000) 217—220
- 5 . Chen—ZP , Wu—HL , Li—Y , Yu—RQ , Novel constrained PARAFAC algorithm for second—order linear calibration , Analytica Chimica Acta , 423 (2000) 187—196
- 6 . Tan—YX , Jiang—JH , Wu—HL , Cui—H , Yu—RQ , Resolution of kinetic system of simultaneous degradations of chlorophyll—a and chlorophyll—b by PARAFAC , Analytica Chimica Acta , 412 (2000) 195—202
- 7 . Xu—QS , Li ang—YZ , Fang—KT , The effects of different experimental—designs on parameter—estimation in the kinetics of a reversible chemical—reaction , Chemometrics and Intelligent Laboratory Systems , 52 (2000) 155—166
- 8 . Li—Y , Jiang—JH , Wu—HL , Chen—ZP , Yu—RQ , Alternating coupled matrices resolution method for three—way arrays analysis , Chemometrics and Intelligent Laboratory Systems , 52 (2000) 33—43
- 9 . Chen—ZP , Wu—HL , Jiang—JH , Li—Y , Yu—RQ , A novel trilinear decomposition algorithm for second—order linear calibration , Chemometrics and Intelligent Laboratory Systems , 52 (2000) 75—86
- 10 . Shen—HL , Stordrange—L , Manne—R , Kvalheim—OM , Li ang—YZ , The morphological score and its application to chemical rank determination , Chemometrics and Intelligent Laboratory Systems , 51 (2000) 37—47
- 11 . Shen—HL , Li ang—YZ , Kvalheim—OM , Manne—R , Determination of chemical rank of two—way data from mixtures using subspace comparisons , Chemometrics and Intelligent Laboratory Systems , 51 (2000) 49—59
- 12 . Jiang—JH , Wu—HL , Li—Y , Yu—RQ , Three—way data resolution by alternating slice—wise diagonalization (ASD) method , Journal of Chemometrics , 14 (2000) 15—36
- 13 . Zhang—XB , Guo—CC , Jian—LX , Shen—GL , Yu—RQ , Bismetalloporphyrin—based is sensitive to fluoroborate , Analyst , 125 (2000) 2285—2288
- 14 . Fang—XH , Li—JWJ , Perlette—J , Tan—WH , Wang—KM , Molecular beacons — novel

- fluorescent—probes , Analytical Chemistry , 72 (2000) A747—A753
- 15 . Wu—ZY , Shen—GL , Xie—LJ , Yu—RQ , A PEG piezoelectric immunoassay for the determination of transferrin in human serum , Sensors and Actuators B—Chemical , 71 (2000) 99—105
- 16 . Zhang—ZQ , Zhang—H , Deng—Q , Preconcentration with membrane cell and adsorptive polarographic—determination of phenols in air , Talanta , 53 (2000) 517—523
- 17 . Liu—GD , Li—ZQ , Huan—SS , Shen—GL , Yu—RQ , Electro—catalytic oxidation of ascorbic—acid at a cobalt—salen polymer—modified electrode and analytical applications , Analytical Letters , 33 (2000) 175—192
- 18 . Yang—X , Liu—WH , Shan—WW , Shen—GL , Yu—RQ , An optode with a covalently bound fluorescent dye , 3—acryloyl aminobenzanthrone , for an ethanol assay , Analytical Sciences , 16 (2000) 935—938
- 19 . Liu—GD , Hu—KH , Li—W , He—GL , Yu—RQ , Renewable amperometric immunosensor based on paraffin—graphite—transferrin antiserum biocomposite for transferrin assay Analyst , 125 (2000) 1595—1599
- 20 . Yang—RH , Wang—KM , Xiao—D , Yang—XH , Development of an iodine sensor based on fluorescence energy transfer , Analyst , 125 (2000) 1441—1445
- 21 . Zhang—XB , Guo—CC , Xu—JB , Shen—GL , Yu—RQ , A novel ethacrylic—acid sensor—based on lanthanide porphyrin complex in a PVC matrix , Analyst , 125 (2000) 867—870
- 22 . Yang—RH , Wang—KM , Xiao—D , Luo—K , Yang—XH , A renewable liquid—drop sensor for di—nitrophenol or trinitrophenol based on fluorescence quenching of 3 , 3 , 5 , 5—tetramethylbenzidine dihydrochloride , Analyst , 125 (2000) 877—882
- 23 . Wang—KM , Xiao—D , Zhou—Z , Zhou—LJ , Yang—XH , Li—D , Multi channel mode—filtered light detection based on an optical fiber for small—volume chemical—analysis , Analytical Chemistry , 72 (2000) 4282—4288
- 24 . Zhang—XB , Guo—CC , Jian—LX , Shen—GL , Yu—RQ , Fluoroborate ion sensitive PVC membrane—electrode based on chloro (tetra (m—amino—phenyl) porphinato)—manganese as neutral carrier , Analytica Chimica Acta , 419 (2000) 227—233
- 25 . Wu—ZY , Yan—YH , Shen—GL , Yu—RQ , A novel—approach of antibody immobilization based on n—butyl amine plasma—polymerized films for immunosensors , Analytica Chimica Acta , 412 (2000) 29—35
- 26 . Yang—XH , Wang—KM , Guo—CC , A fluorescent optode for sodium—ion based on the inner filter effect , Analytica Chimica Acta , 407 (2000) 45—52
- 27 . Yang—RH , Wang—KM , Xiao—D , Yang—XH , Li—HM , A selective optical chemical sensor for the determination of tween—60 based on fluorescence enhancement of tetraphenylporphyrin , Analytica Chimica Acta , 404 (2000) 205—211
- 28 . Yang—RH , Wang—KM , Xiao—D , Yang—XH , A host—guest optical sensor for aliphatic—amines based on lipophilic cyclodextrin , Fresenius Journal of Analytical Chemistry , 367 (2000) 429—435
- 29 . Yang—RH , Wang—KM , Xiao—D , Yang—XH , Zhang—LD , A selective sensing membrane for the determination of tetracycline with heptakis (2 , 6—di—o—isobutyl)—beta—cyclodextrin as the substrate , Microchemical Journal , 64 (2000) 213—220
- 30 . Wang—KM , Zhou—LJ , Mao—DJ , Yang—XH , Luo—K , Preparation and application of

- a novel chemical sensor—based on mode—filtered light detection , Sensors and Actuators B—Chemical , 66 (2000) 4—5
- 31 . Wang—KM , Yang—XH , Yang—RH , Optical chemical sensors based on supramolecular chemistry , Sensors and Actuators B—Chemical , 66 (2000) 263—265
- 32 . Yu—RQ , Zhang—ZR , Shen—GL , Potentiometric sensors — aspects of the recent development , Sensors and Actuators B—chemical , 65 (2000) 150—153
- 33 . Wang—KM , Li—J , Yang—XH , Shen—FL , Wang—X , A chemiluminescent H₂O₂ Sensor—Based on horseradish—peroxidase immobilized by sol—gel method , Sensors and Actuators B—Chemical , 65 (2000) 239—240
- 34 . Yang—XH , Wang—KM , XIAO—D , Guo—CC , Xu—YR , Development of a fluorescent optode membrane for sodium—ion based on the calix (4) arene and tetraphenyl porphine , Talanta , 52 (2000) 1033—1039
- 35 . Zhang—JZ , Wei—WZ , Zhou—AH , He—DL , Yao—SZ , Xie—QJ , Monitoring of mutagenic process with piezoelectric quartz—crystal impedance analysis , Talanta , 53 (2000) 525—533
- 36 . Peng—H , Liang—CD , He—DL , Nie—LH , Yao—SZ , Nonaqueous assay system for phenobarbital using biomimetic bulk acoustic—wave sensor—based on a molecularly imprinted polymer , Analytical Letters , 33 (2000) 793—808
- 37 . Long—YM , Li—WF , He—D , Zhou—AH , Wei—WZ , Nie—LH , Yao—SZ , Bulk acoustic—wave sensing technique applied to diazepam assay in serum and urine , Analytical Sciences , 16 (2000) 615—619
- 38 . Zhou—AH , Xie—QJ , Zhang—YY , Nie—LH , Yao—SZ , Piezoelectric crystal impedance analysis for investigating the changes of interfacial properties due to interaction of cobalt salt with dna immobilized on biosensor , Analytical Sciences , 16 (2000) 467—472
- 39 . Yao—SZ , Peng—H , Liang—CD , Wu—Y , Nie—LH , Biomimetic bulk acoustic—wave sensor for determination of trimethoprim in the organic—phase based on a molecular imprinting polymer , Analytical Sciences , 16 (2000) 211—215
- 40 . Zhang—JD , Yao—SZ , Nie—LH , Wei—WZ , Evaluation of the kinetic—parameters of first—order reactions following charge—transfer by applying a long—path—length spectroelectrochemical technique , Analytical Sciences , 16 (2000) 87—91
- 41 . Zhou—AH , He—DL , Nie—LH , Yao—SZ , Determination of the binding parameters of drug to protein by equilibrium dialysis/piezoelectric quartz—crystal sensor , Analytical Biochemistry , 282 (2000) 10—15
- 42 . Peng—H , Liang—CD , Zhou—AH , Zhang—YY , Xie—QJ , Yao—SZ , Development of a new atropine sulfate bulk acoustic—wave sensor—based on a molecularly imprinted electrosynthesized copolymer of aniline with 0—Phenyl enediamine , Analytica Chimica Acta , 423 (2000) 221—228
- 43 . Liang—CD , Peng—H , Zhou—AH , Nie—LH , Yao—SZ , Molecular imprinting polymer—coated BAW bio—mimic sensor for direct determination of epinephrine , Analytica Chimica Acta , 415 (2000) 135—141
- 44 . Zhou—AH , Xie—B , Xie—NX , Comparison of polarization curve — and electrochemical quartz—crystal microbalance methods for determination of copper rate corrosion , Corrosion Science , 42 (2000) 469—480

- 45 . Xie—YT , Bao—LL , Wei—WZ , Double cell bulk acoustic—wave sensor for ion—chromatographic study of the relation between magnesium and growth of organisms , Current Microbiology , 40 (2000) 101—104
- 46 . Zhou—AH , He—DL , Xie—NX , Xie—QJ , Nie—LH , Yao—SZ , Electrochemical quartz—crystal microbalance probing the electro—formed and electro—reduced products on a copper electrode in aqueous—solutions containing NaHCO₃ and Na₂CO₃ , Electrochimica Acta , 45 (2000) 3943—3950
- 47 . Liang—CD , Peng—H , Nie—LH , Yao—SZ , Bulk acoustic—wave sensor for herbicide assay based on molecularly imprinted polymer , Fresenius Journal of Analytical Chemistry , 367 (2000) 551—555
- 48 . Zhou—AH , Xie—QJ , Wu—YH , Cai—Y , Nie—LH , Yao—SZ , Study of the adsorption of glutathione on a gold electrode by using electrochemical quartz—crystal impedance , electrochemical impedance spectroscopy , and cyclic voltammetry , Journal of Colloid and Interface Science , 229 (2000) 12—20
- 49 . Chen—P , Zhang—Y , Wei—WZ , Yao—SZ , Determination of cyclamate radical by single—column ion—chromatography with a bulk acoustic—wave detector , Journal of Liquid Chromatography & Related Technologies , 23 (2000) 1961—1971
- 50 . Zhou—AH , Zhang—JD , Xie—QJ , Yao—SZ , Impedance analysis for the investigation of the behaviors of piezoelectric quartz—crystal in the liquid at harmonic resonance , Sensors and Actuators B—Chemical , 67 (2000) 68—75
- 51 . He—DL , Zhou—AH , Liu—YL , Nie—LH , Yao—SZ , A study of the viscoelasticity of zinc phosphate coatings using a quartz—crystal impedance system , Surface & Coatings Technology , 126 (2000) 225—231
- 52 . Zhang—JD , Zhou—AH , Xie—QJ , Wei—WZ , A long path—length spectroelectrochemical behavior analysis of the coabsorption system , Talanta , 52 (2000) 903—908
- 53 . Peng—H , Liang—CD , He—DL , Nie—LH , Yao—SZ , Bulk acoustic—wave sensor using molecularly imprinted polymers as recognition elements for the determination of pyrimethamine , Talanta , 52 (2000) , 441—448
- 54 . He—DL , Bao—LL , Long—YM , Wei—WZ , Yao—SZ , A new study of the enzymatic—hydrolysis of carboxymethyl cellulose with a bulk acoustic—wave sensor , Talanta , 50 (2000) 1267—1273
- 55 . Zhang—JZ , Wei—WZ , Mao—Y , Lan—W , Chen—MJ , A new method for mutagenicity test using spectrophotometry , Analytical Sciences , 16 (2000) 1265—1269
- 56 . Zhou—AH , Xie—QJ , Li—P , Nie—LH , Yao—SZ , Piezoelectric crystal impedance analysis for investigating the modification processes of protein , cross—linker , and dna on gold surface , Applied Surface Science , 158 (2000) 141—146
- 57 . He—DL , Cai—Y , Wei—WZ , Nie—LH , Yao—SZ , —amylase immobilized on bulk acoustic—wave sensor by UV—curing coating , Biochemical Engineering Journal , 6 (2000) 7—11

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