

Hui-Wen Gu

List of Publications by Year in descending order

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73
papers

1,181
citations

331259

21
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476904

29
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all docs

74
docs citations

74
times ranked

928
citing authors

#	ARTICLE	IF	CITATIONS
1	A simple electrochemical method for Cd(II) determination in real samples based on carbon nanotubes and metal-organic frameworks. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 4757-4767.	1.8	9
2	Highly fluorescent N doped C-dots as sensor for selective detection of Hg ²⁺ in beverages. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 265, 120392.	2.0	24
3	Geographical origin identification and chemical markers screening of Chinese green tea using two-dimensional fingerprints technique coupled with multivariate chemometric methods. <i>Food Control</i> , 2022, 135, 108795.	2.8	20
4	Tracing sources of oilfield wastewater based on excitation-emission matrix fluorescence spectroscopy coupled with chemical pattern recognition techniques. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 281, 121596.	2.0	8
5	Two- and three-way chemometric analyses for investigation of interactions of acarbose with normal and glycated human serum albumin: Developing a novel biosensing system. <i>Microchemical Journal</i> , 2021, 160, 105675.	2.3	27
6	Prediction of chemical oxygen demand (COD) with total organic carbon (TOC) to eliminate the interferences of high concentration of chloride ion in oilfield wastewaters. <i>International Journal of Environmental Analytical Chemistry</i> , 2021, 101, 1209-1219.	1.8	2
7	Development of an HPLC-DAD Method Combined with Chemometrics for Differentiating Geographical Origins of Chinese Red Wines on the Basis of Phenolic Compounds. <i>Food Analytical Methods</i> , 2021, 14, 1895-1907.	1.3	12
8	Target-induced activation of DNAzyme for sensitive detection of bleomycin by using a simple MOF-modified electrode. <i>Biosensors and Bioelectronics</i> , 2021, 178, 113034.	5.3	16
9	HPLC-DAD fingerprints combined with chemometric techniques for the authentication of plucking seasons of Laoshan green tea. <i>Food Chemistry</i> , 2021, 347, 128959.	4.2	29
10	Construction and performance evaluation of a CSC-1 type horizontal rotating micro-bomb combustion-solution isoperibol multifunctional calorimeter. <i>Journal of Chemical Thermodynamics</i> , 2021, 160, 106505.	1.0	1
11	Multicolor enzyme-linked immunosorbent sensor for sensitive detection of organophosphorus pesticides based on TMB ²⁺ -mediated etching of gold nanorods. <i>Microchemical Journal</i> , 2021, 168, 106411.	2.3	23
12	Differentiating grades of Xihu Longjing teas according to the contents of ten major components based on HPLC-DAD in combination with chemometrics. <i>LWT - Food Science and Technology</i> , 2020, 130, 109688.	2.5	27
13	Impact of diverse background interferences on the alternating trilinear decomposition modeling of excitation-emission matrix fluorescence data acquired from different sample sources. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 232, 118173.	2.0	9
14	Sensitive detection of streptomycin in milk using a hybrid signal enhancement strategy of MOF-based bio-bar code and target recycling. <i>Analytica Chimica Acta</i> , 2020, 1125, 1-7.	2.6	38
15	Developing an Excitation-Emission Matrix Fluorescence Spectroscopy Method Coupled with Multi-way Classification Algorithms for the Identification of the Adulteration of Shanxi Aged Vinegars. <i>Food Analytical Methods</i> , 2019, 12, 2306-2313.	1.3	35
16	A dual-response biosensor for electrochemical and glucometer detection of DNA methyltransferase activity based on functionalized metal-organic framework amplification. <i>Biosensors and Bioelectronics</i> , 2019, 134, 117-122.	5.3	44
17	An interesting strategy devoted to fabrication of a novel and high-performance amperometric sodium dithionite sensor. <i>Microchemical Journal</i> , 2019, 144, 6-12.	2.3	10
18	MATLAB in electrochemistry: A review. <i>Talanta</i> , 2019, 194, 205-225.	2.9	50

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19	Angle Distribution of Loading Subspace (ADLS) for estimating chemical rank in multivariate analysis: Applications in spectroscopy and chromatography. <i>Talanta</i> , 2019, 194, 90-97.	2.9	8
20	Synthesis and biothermokinetic study of a new Schiff base and its bismuth(III) complex on the growth metabolism of <i>S. pombe</i> and <i>H. pylori</i> cell lines. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 132, 1913-1922.	2.0	4
21	A flexible and novel strategy of alternating trilinear decomposition method coupled with two-dimensional linear discriminant analysis for three-way chemical data analysis: Characterization and classification. <i>Analytica Chimica Acta</i> , 2018, 1021, 28-40.	2.6	18
22	A green chemometrics-assisted fluorimetric detection method for the direct and simultaneous determination of six polycyclic aromatic hydrocarbons in oil-field wastewaters. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 200, 93-101.	2.0	25
23	Rapid and interference-free analysis of nine B-group vitamins in energy drinks using trilinear component modeling of liquid chromatography-mass spectrometry data. <i>Talanta</i> , 2018, 180, 108-119.	2.9	22
24	Comparison of three-way and four-way calibration for the real-time quantitative analysis of drug hydrolysis in complex dynamic samples by excitation-emission matrix fluorescence. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 192, 437-445.	2.0	19
25	Dealing with overlapped and unaligned chromatographic peaks by second-order multivariate calibration for complex sample analysis: Fast and green quantification of eight selected preservatives in facial masks. <i>Journal of Chromatography A</i> , 2018, 1573, 18-27.	1.8	31
26	Comparison of the performances of several commonly used algorithms for second-order calibration. <i>Analytical Methods</i> , 2018, 10, 4801-4812.	1.3	1
27	Investigation of interactions of Comtan with human serum albumin by mathematically modeled voltammetric data: A study from bio-interaction to biosensing. <i>Bioelectrochemistry</i> , 2018, 123, 162-172.	2.4	33
28	Second-order calibration serves as a remedial measure for the simultaneous determination of andrographolide and dehydroandrographolide in <i>Andrographis paniculata</i> and its preparations by HPLC without complete baseline separation. <i>Journal of Separation Science</i> , 2018, 41, 3232-3240.	1.3	5
29	Simultaneous co-immobilization of three enzymes onto a modified glassy carbon electrode to fabricate a high-performance amperometric biosensor for determination of total cholesterol. <i>International Journal of Biological Macromolecules</i> , 2018, 120, 587-595.	3.6	35
30	A Modified Method for the Accurate Determination of Chemical Oxygen Demand (COD) in High Chloride Oilfield Wastewater. <i>Open Journal of Yangtze Oil and Gas</i> , 2018, 03, 263-277.	0.2	4
31	Simultaneous determination of umbelliferone and scopoletin in Tibetan medicine <i>Saussurea laniceps</i> and traditional Chinese medicine <i>Radix angelicae pubescentis</i> using excitation-emission matrix fluorescence coupled with second-order calibration method. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 170, 104-110.	2.0	39
32	Fluorescence spectroscopic studies on the interaction between a new bismuth(III) Schiff base complex and bovine serum albumin. <i>Chemical Research in Chinese Universities</i> , 2017, 33, 166-171.	1.3	3
33	Interference-free spectrofluorometric quantification of aristolochic acid I and aristololactam I in five Chinese herbal medicines using chemical derivatization enhancement and second-order calibration methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 175, 229-238.	2.0	17
34	Synthesis and microcalorimetric determination of the bioactivities of a new Schiff base and its bismuth(III) complex derived from o-vanillin and 2,6-pyridinediamine. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 127, 1767-1776.	2.0	6
35	Simultaneous Determination of Warfarin and Aspirin Contents in Biological Fluids Using Excitation-Emission Matrix Fluorescence Coupled with a Second-order Calibration Method. <i>Analytical Sciences</i> , 2017, 33, 29-34.	0.8	6
36	Design and Application of a Precise Isoperibol Combustion-Solution-Reaction Microcalorimeter. <i>Wuli Huaxue Xuebao/ Acta Physico-Chimica Sinica</i> , 2017, 33, 1114-1122.	2.2	1

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37	Synthesis and bioactivity of a novel bismuthoxide Schiff-base complex derived from Salen-like ligand and bismuth(III) nitrate. <i>Chemical Research in Chinese Universities</i> , 2016, 32, 207-211.	1.3	0
38	Chemometrics-enhanced full scan mode of liquid chromatography-mass spectrometry for the simultaneous determination of six co-eluted sulfonylurea-type oral antidiabetic agents in complex samples. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2016, 155, 62-72.	1.8	24
39	Exploiting third-order advantage using four-way calibration method for direct quantitative analysis of active ingredients of <i>Schisandra chinensis</i> in DMEM by processing four-way excitation-emission-solvent fluorescence data. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2016, 155, 46-53.	1.8	15
40	Chemometrics-assisted high performance liquid chromatography-diode array detection strategy to solve varying interfering patterns from different chromatographic columns and sample matrices for beverage analysis. <i>Journal of Chromatography A</i> , 2016, 1435, 75-84.	1.8	27
41	Interference-free analysis of aflatoxin B ₁ and G ₁ in various foodstuffs using trilinear component modeling of excitation-emission matrix fluorescence data enhanced through photochemical derivatization. <i>RSC Advances</i> , 2016, 6, 25850-25863.	1.7	11
42	Rapid and simultaneous determination of five vinca alkaloids in <i>Catharanthus roseus</i> and human serum using trilinear component modeling of liquid chromatography-diode array detection data. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1026, 114-123.	1.2	30
43	Removal of Background Drift Nonlinear Interference in 3-D Spectral Arrays for Multi-Way Calibration Using Trilinear Decomposition Methods. <i>Acta Chimica Sinica</i> , 2016, 74, 277.	0.5	4
44	A new alternating weighted quadrilinear decomposition algorithm with application for analysis of non-quinquelinear five-way data arrays. <i>Scientia Sinica Chimica</i> , 2016, 46, 401-410.	0.2	0
45	Fast quantitative analysis of four tyrosine kinase inhibitors in different human plasma samples using three-way calibration-assisted liquid chromatography with diode array detection. <i>Journal of Separation Science</i> , 2015, 38, 2781-2788.	1.3	31
46	Chemical rank estimation for second-order calibration by discrete Fourier transform coupled with robust statistical analysis. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2015, 141, 47-57.	1.8	7
47	A novel fourth-order calibration method based on alternating quinquelinear decomposition algorithm for processing high performance liquid chromatography-diode array detection kinetic-pH data of naptalam hydrolysis. <i>Analytica Chimica Acta</i> , 2015, 861, 12-24.	2.6	21
48	Solving signal instability to maintain the second-order advantage in the resolution and determination of multi-analytes in complex systems by modeling liquid chromatography-mass spectrometry data using alternating trilinear decomposition method assisted with piecewise direct standardization. <i>Journal of Chromatography A</i> , 2015, 1407, 157-168.	1.8	11
49	Simultaneous determination of naphazoline and pyridoxine in eye drops using excitation-emission matrix fluorescence coupled with second-order calibration method based on alternating trilinear decomposition algorithm. <i>Chinese Chemical Letters</i> , 2015, 26, 1446-1449.	4.8	9
50	Quantitative investigation of the dynamic interaction of human serum albumin with procaine using a multi-way calibration method coupled with three-dimensional fluorescence spectroscopy. <i>Analytical Methods</i> , 2015, 7, 6552-6560.	1.3	7
51	Chemometrics-assisted determination of amiloride and triamterene in biological fluids with overlapped peaks and unknown interferences. <i>Bioanalysis</i> , 2015, 7, 1685-1697.	0.6	12
52	Synthesis, crystal structure and biological properties of a bismuth(III) Schiff-base complex. <i>RSC Advances</i> , 2015, 5, 94267-94275.	1.7	20
53	Second-order calibration method applied to process three-way excitation-emission-kinetic fluorescence data: A novel tool for real-time quantitative analysis of the lactone hydrolysis of irinotecan in human plasma. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2015, 146, 447-456.	1.8	13
54	Simultaneous determination of tyrosine and levodopa in human plasma using enzyme-induced excitation-emission-kinetic third-order calibration method. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2015, 148, 9-19.	1.8	17

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55	Calorimetric determination of the standard molar enthalpies of formation of o-vanillin and trimethoprim. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 119, 721-726.	2.0	11
56	Estimating the chemical rank of three-way fluorescence data by vector subspace projection with Monte Carlo simulation. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2014, 136, 15-23.	1.8	5
57	Simultaneous determination of phenolic antioxidants in edible vegetable oils by HPLC-FLD assisted with second-order calibration based on ATLD algorithm. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 947-948, 32-40.	1.2	36
58	An alternating coupled two-unequal residual functions algorithm for second-order calibration. <i>Analytical Methods</i> , 2014, 6, 6322.	1.3	7
59	Synthesis, thermodynamic properties and BSA interaction of a new Valen Schiff base derived from o-vanillin and trimethoprim. <i>Thermochimica Acta</i> , 2014, 575, 291-299.	1.2	8
60	Synthesis, crystal structure and thermodynamic properties of a new praseodymium Schiff-base complex. <i>Thermochimica Acta</i> , 2014, 581, 118-122.	1.2	10
61	Multi-targeted interference-free determination of ten β -blockers in human urine and plasma samples by alternating trilinear decomposition algorithm-assisted liquid chromatography-mass spectrometry in full scan mode: Comparison with multiple reaction monitoring. <i>Analytica Chimica Acta</i> , 2014, 848, 10-24.	2.6	45
62	Chemometrics-enhanced high performance liquid chromatography-diode array detection strategy for simultaneous determination of eight co-eluted compounds in ten kinds of Chinese teas using second-order calibration method based on alternating trilinear decomposition algorithm. <i>Journal of Chromatography A</i> , 2014, 1364, 151-162.	1.8	24
63	Determination of the standard molar enthalpy of formation of the ternary complex of neodymium with vitamin B3 and 8-hydroxyquinoline by microcalorimetry. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 112, 1533-1538.	2.0	6
64	Synthesis of nordihydroguaiaretic acid derivatives and their bioactivities on S.Âpombe and K562 cell lines. <i>European Journal of Medicinal Chemistry</i> , 2013, 62, 605-613.	2.6	23
65	Simultaneous determination of tyrosine and dopamine in urine samples using excitation-emission matrix fluorescence coupled with second-order calibration. <i>Chinese Chemical Letters</i> , 2013, 24, 239-242.	4.8	16
66	Simultaneous Determination of Irinotecan and Its Metabolite 7-Ethyl-10-hydroxycamptothecin in Biological Fluids Using Excitation-emission Matrix Fluorescence Coupled with Second-order Calibration Method. <i>Acta Chimica Sinica</i> , 2013, 71, 560.	0.5	7
67	Four-way Self-weighted Alternating Normalized Residue Fitting Algorithm with Application for the Analysis of Serotonin in Human Plasma. <i>Analytical Sciences</i> , 2012, 28, 1097-1104.	0.8	19
68	Preparation and Thermochemical Properties of Ternary Complexes of Rare Earth Chlorides with Nicotinic Acid and 8-Hydroxyquinoline. <i>Journal of Chemical & Engineering Data</i> , 2012, 57, 269-273.	1.0	2
69	Synthesis, Characterization, and Thermodynamic Properties of the Rare Earth Coordination Complex [Sm(C ₆ H ₄ NO ₂) ₂ ·C ₉ H ₆ NO]. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 4797-4803.	1.8	16
70	Simultaneous determination of metoprolol and \pm -hydroxymetoprolol in human plasma using excitation-emission matrix fluorescence coupled with second-order calibration methods. <i>Bioanalysis</i> , 2012, 4, 2781-2793.	0.6	14
71	Rapid Determination of Costunolide and Dehydrocostuslactone in Human Plasma Sample and Chinese Patent Medicine Xiang Sha Yang Wei Capsule Using HPLC-DAD Coupled with Second-order Calibration. <i>Chinese Journal of Chemistry</i> , 2012, 30, 1137-1143.	2.6	5
72	Synthesis, Characterization, and Thermochemical Study on a Ternary Complex [Sm(m-MOBA) ₃ phen] ₂ . <i>International Journal of Thermophysics</i> , 2012, 33, 289-299.	1.0	3

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73	Synthesis and Thermochemical Properties of the Ternary Complex [Sm(<i>m</i> -NBA) ₃ phen] ₂ ·2H ₂ O. Journal of Chemical & Engineering Data, 2010, 55, 1688-1692.	1.0	4