

Xiao-hua Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

408
citations

759233

12
h-index

752698

20
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26
all docs

26
docs citations

26
times ranked

262
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast HPLC-DAD quantification of nine polyphenols in honey by using second-order calibration method based on trilinear decomposition algorithm. <i>Food Chemistry</i> , 2013, 138, 62-69.	8.2	54
2	Fast analysis of synthetic antioxidants in edible vegetable oil using trilinear component modeling of liquid chromatography-diode array detection data. <i>Journal of Chromatography A</i> , 2012, 1264, 63-71.	3.7	48
3	An alternative quadrilinear decomposition algorithm for four-way calibration with application to analysis of four-way fluorescence excitation-emission-pH data array. <i>Analytica Chimica Acta</i> , 2013, 758, 45-57.	5.4	38
4	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.	3.7	24
5	Chemometric resolution of coeluting peaks of eleven antihypertensives from multiple classes in high performance liquid chromatography: A comprehensive research in human serum, health product and Chinese patent medicine samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 902, 96-107.	2.3	23
6	Quantitative fluorescence kinetic analysis of NADH and FAD in human plasma using three- and four-way calibration methods capable of providing the second-order advantage. <i>Analytica Chimica Acta</i> , 2016, 910, 36-44.	5.4	21
7	Alternating trilinear decomposition of highly overlapped chromatograms for simultaneously targeted quantification of 15 PAHs in samples of pollution source. <i>Microchemical Journal</i> , 2019, 146, 742-752.	4.5	20
8	Comparison of three second-order multivariate calibration methods for the rapid identification and quantitative analysis of tea polyphenols in Chinese teas using high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2020, 1618, 460905.	3.7	20
9	Authentication of honey of different nectar sources and antioxidant property evaluation by phenolic composition analysis with chemometrics. <i>Food Control</i> , 2021, 124, 107900.	5.5	19
10	A flexible trilinear decomposition algorithm for three-way calibration based on the trilinear component model and a theoretical extension of the algorithm to the multilinear component model. <i>Analytica Chimica Acta</i> , 2015, 878, 63-77.	5.4	17
11	Measuring estriol and estrone simultaneously in liquid cosmetic samples using second-order calibration coupled with excitation-emission matrix fluorescence based on region selection. <i>Analytical Methods</i> , 2012, 4, 222-229.	2.7	16
12	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.	3.5	15
13	Discussion on the superiority of third-order advantage: Analytical application for four-way data in complex system. <i>Microchemical Journal</i> , 2019, 145, 1078-1085.	4.5	12
14	A combined theoretical and experimental study for the chiral discrimination of naproxen enantiomers by molecular modeling and second-order standard addition method. <i>Analytical Methods</i> , 2013, 5, 710.	2.7	11
15	Chemometric-assisted fast quantification and source apportionment of PAHs in PM10 using gas chromatography-mass spectrometry. <i>International Journal of Environmental Analytical Chemistry</i> , 2021, 101, 1554-1566.	3.3	9
16	Rapid identification of adulterated honey according to the targeted analysis of phenolic compounds using chemometrics. <i>European Food Research and Technology</i> , 2021, 247, 1975-1985.	3.3	8
17	Extraction and determination of phenolic compounds in Chinese teas using a novel compound salt aqueous two-phase system coupled with multivariate chemometric methods. <i>LWT - Food Science and Technology</i> , 2022, 162, 113477.	5.2	8
18	Second-order calibration applied to quantification of two active components of <i>Schisandra chinensis</i> in complex matrix. <i>Journal of Pharmaceutical Analysis</i> , 2012, 2, 241-248.	5.3	7

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19	“Slicing” data array in quadrilinear component model: An alternative quadrilinear decomposition algorithm for third-order calibration method. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2017, 167, 12-22.	3.5	7
20	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.	1.4	7
21	Development of a ladder-shape melting temperature isothermal amplification (LMTIA) assay for detection of African swine fever virus (ASFV). <i>Journal of Veterinary Science</i> , 0, 23, .	1.3	6
22	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.	3.5	5
23	A New Strategy for Rapid Classification of Honeys by Simple Cluster Analysis Method Based on Combination of Various Physicochemical Parameters. <i>Chemical Research in Chinese Universities</i> , 2019, 35, 390-394.	2.6	5
24	Chemometrics-enhanced HPLC-DAD as a rapid and interference-free strategy for simultaneous quantitative analysis of flavonoids in Chinese propolis. <i>European Food Research and Technology</i> , 2020, 246, 1909-1918.	3.3	5
25	Application of alternating trilinear decomposition-assisted multivariate curve resolution to gas chromatography-mass spectrometric data for the quantification of polycyclic aromatic hydrocarbons in aerosols. <i>Royal Society Open Science</i> , 2021, 8, 210458.	2.4	3