Xiao-hua Zhang

List of Publications by Year
in descending order

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		759233	752698
25	408	12	20
papers	citations	h-index	g-index

26	26	26	262
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Extraction and determination of phenolic compounds in Chinese teas using a novel compound salt aqueous two-phase system coupled with multivariate chemometric methods. LWT - Food Science and Technology, 2022, 162, 113477.	5.2	8
2	Chemometric-assisted fast quantification and source apportionment of PAHs in PM10 using gas chromatography-mass spectrometry. International Journal of Environmental Analytical Chemistry, 2021, 101, 1554-1566.	3.3	9
3	Rapid identification of adulterated honey according to the targeted analysis of phenolic compounds using chemometrics. European Food Research and Technology, 2021, 247, 1975-1985.	3.3	8
4	Authentication of honey of different nectar sources and antioxidant property evaluation by phenolic composition analysis with chemometrics. Food Control, 2021, 124, 107900.	5.5	19
5	Application of alternating trilinear decomposition-assisted multivariate curve resolution to gas chromatography-mass spectrometric data for the quantification of polycyclic aromatic hydrocarbons in aerosols. Royal Society Open Science, 2021, 8, 210458.	2.4	3
6	Chemometrics-enhanced HPLCâ€“DAD as a rapid and interference-free strategy for simultaneous quantitative analysis of flavonoids in Chinese propolis. European Food Research and Technology, 2020, 246, 1909-1918.	3.3	5
7	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. Journal of Chromatography A, 2020, 1618, 460905.	3.7	20
8	Alternating trilinear decomposition of highly overlapped chromatograms for simultaneously targeted quantification of 15 PAHs in samples of pollution source. Microchemical Journal, 2019, 146, 742-752.	4.5	20
9	A New Strategy for Rapid Classification of Honeys by Simple Cluster Analysis Method Based on Combination of Various Physicochemical Parameters. Chemical Research in Chinese Universities, 2019, 35, 390-394.	2.6	5
10	Discussion on the superiority of third-order advantage: Analytical application for four-way data in complex system. Microchemical Journal, 2019, 145, 1078-1085.	4.5	12
11	â€œSlicingâ€•data array in quadrilinear component model: An alternative quadrilinear decomposition algorithm for third-order calibration method. Chemometrics and Intelligent Laboratory Systems, 2017, 167, 12-22.	3.5	7
12	Exploiting third-order advantage using four-way calibration method for direct quantitative analysis of active ingredients of Schisandra chinensis in DMEM by processing four-way excitationâ€“emission-solvent fluorescence data. Chemometrics and Intelligent Laboratory Systems, 2016, 155, 46-53.	3.5	15
13	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. Analytica Chimica Acta, 2016, 910, 36-44.	5.4	21
14	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. Analytica Chimica Acta, 2015, 878, 63-77.	5.4	17
15	Estimating the chemical rank of three-way fluorescence data by vector subspace projection with Monte Carlo simulation. Chemometrics and Intelligent Laboratory Systems, 2014, 136, 15-23.	3.5	5
16	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. Journal of Chromatography A, 2014, 1364, 151-162.	3.7	24
17	A combined theoretical and experimental study for the chiral discrimination of naproxen enantiomers by molecular modeling and second-order standard addition method. Analytical Methods, 2013, 5, 710.	2.7	11
18	Fast HPLC-DAD quantification of nine polyphenols in honey by using second-order calibration method based on trilinear decomposition algorithm. Food Chemistry, 2013, 138, 62-69.	8.2	54

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19	An alternative quadrilinear decomposition algorithm for four-way calibration with application to analysis of four-way fluorescence excitationâ€“emissionâ€“pH data array. Analytica Chimica Acta, 2013, 758, 45-57.	5.4	38
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. Acta Chimica Sinica, 2013, 71, 560.	1.4	7
21	Second-order calibration applied to quantification of two active components of Schisandra chinensis in complex matrix. Journal of Pharmaceutical Analysis, 2012, 2, 241-248.	5.3	7
22	Measuring estriol and estrone simultaneously in liquid cosmetic samples using second-order calibration coupled with excitationâ€“emission matrix fluorescence based on region selection. Analytical Methods, 2012, 4, 222-229.	2.7	16
23	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. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2012, 902, 96-107.	2.3	23
24	Fast analysis of synthetic antioxidants in edible vegetable oil using trilinear component modeling of liquid chromatographyâ€“diode array detection data. Journal of Chromatography A, 2012, 1264, 63-71.	3.7	48
25	Development of a ladder-shape melting temperature isothermal amplification (LMTIA) assay for detection of African swine fever virus (ASFV). Journal of Veterinary Science, 0, 23, .	1.3	6