Hai-Long Wu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

108
papers

2,455
citations

25
h-index

45
g-index

113
2,759
ext. papers

4.1
4.96
L-index

#	Paper	IF	Citations
108	Piecewise direct standardization assisted with second-order calibration methods to solve signal instability in high-performance liquid chromatography-diode array detection systems <i>Journal of Chromatography A</i> , 2022 , 1667, 462851	4.5	O
107	Quantitative analysis of carbaryl and thiabendazole in complex matrices using excitation-emission fluorescence matrices with second-order calibration methods. <i>Spectrochimica Acta - Part A:</i> Molecular and Biomolecular Spectroscopy, 2022 , 264, 120267	4.4	1
106	Rapid and interference-free quantification of nine coumarins in Cnidii Fructus using HPLC-DAD assisted with second-order calibration model. <i>Microchemical Journal</i> , 2022 , 107458	4.8	O
105	Authentication of craft and industrial beers by excitation-emission matrix fluorescence spectroscopy and chemometrics. <i>Microchemical Journal</i> , 2022 , 107650	4.8	O
104	Geographical origin traceability of traditional Chinese medicine Atractylodes macrocephala Koidz. by using multi-way fluorescence fingerprint and chemometric methods <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 269, 120737	4.4	1
103	Rapid determination of sulfamethoxazole and trimethoprim illegally added to health products using excitation-emission matrix fluorescence coupled with the second-order calibration method. <i>Analytical Methods</i> , 2021 , 13, 5075-5084	3.2	O
102	Excitation-emission matrix fluorescence spectroscopy combined with chemometrics methods for rapid identification and quantification of adulteration in Atractylodes macrocephala Koidz. <i>Microchemical Journal</i> , 2021 , 171, 106884	4.8	1
101	Three efficient chemometrics assisted fluorimetric detection methods for interference-free, rapid, and simultaneous determination of ibrutinib and pralatrexate in various complicated biological fluids. Spectroschimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021 , 252, 119419	4.4	2
100	A chemometric comparison of different models in fluorescence analysis of dabigatran etexilate and dabigatran. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 246, 118988	4.4	2
99	Comparison of three chemometric methods for processing HPLC-DAD data with time shifts: Simultaneous determination of ten molecular targeted anti-tumor drugs in different biological samples. <i>Talanta</i> , 2021 , 224, 121798	6.2	7
98	Excitation-emission matrix fluorescence spectroscopy coupled with multi-way chemometric techniques for characterization and classification of Chinese lager beers. <i>Food Chemistry</i> , 2021 , 342, 128	323 ⁵ 5	9
97	Fast identification of the geographical origin of Gastrodia elata using excitation-emission matrix fluorescence and chemometric methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 258, 119798	4.4	6
96	Simultaneous determination of nine tyrosine kinase inhibitors in three complex biological matrices by using high-performance liquid chromatography-diode array detection combined with a second-order calibration method. <i>Journal of Separation Science</i> , 2021 , 44, 3914-3923	3.4	O
95	Simultaneous and rapid screening and determination of twelve azo dyes illegally added into food products by using chemometrics-assisted HPLC-DAD strategy. <i>Microchemical Journal</i> , 2021 , 171, 106775	₅ 4.8	1
94	Exploiting second-order advantage from mathematically modeled liquid chromatographythass spectrometry data for simultaneous determination of polyphenols in Chinese propolis. <i>Microchemical Journal</i> , 2020 , 157, 105003	4.8	6
93	Recent advances in chemical multi-way calibration with second-order or higher-order advantages: Multilinear models, algorithms, related issues and applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 130, 115954	14.6	18
92	Exploration advantages of data combination and partition: First chemometric analysis of liquid chromatography-mass spectrometry data in full scan mode with quadruple fragmentor voltages. Analytica Chimica Acta, 2020, 1110, 158-168	6.6	2

91	Recent applications of multiway calibration methods in environmental analytical chemistry: A review. <i>Microchemical Journal</i> , 2020 , 159, 105575	4.8	7
90	Rapid and simultaneous determination of three fluoroquinolones in animal-derived foods using excitation-emission matrix fluorescence coupled with second-order calibration method. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020 , 224, 117458	4.4	7
89	Rapid identification and quantification of cheaper vegetable oil adulteration in camellia oil by using excitation-emission matrix fluorescence spectroscopy combined with chemometrics. <i>Food Chemistry</i> , 2019 , 293, 348-357	8.5	38
88	Simultaneous and fast determination of bisphenol A and diphenyl carbonate in polycarbonate plastics by using excitation-emission matrix fluorescence couples with second-order calibration method. <i>Spectroscopy</i> , 2019 , 216, 283-289	4.4	10
87	Target-based metabolomics for fast and sensitive quantification of eight small molecules in human urine using HPLC-DAD and chemometrics tools resolving of highly overlapping peaks. <i>Talanta</i> , 2019 , 201, 174-184	6.2	17
86	A simple method for direct modeling of second-order liquid chromatographic data with retention time shifts and holding the second-order advantage. <i>Journal of Chromatography A</i> , 2019 , 1605, 360360	4.5	10
85	Chemometrics-assisted calibration transfer strategy for determination of three agrochemicals in environmental samples: Solving signal variation and maintaining second-order advantage. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2019 , 194, 103869	3.8	5
84	Simultaneously quantifying intracellular FAD and FMN using a novel strategy of intrinsic fluorescence four-way calibration. <i>Talanta</i> , 2019 , 197, 105-112	6.2	10
83	Rapid and Sensitive Detection of Multi-Class Food Additives in Beverages for Quality Control by Using HPLC-DAD and Chemometrics Methods. <i>Food Analytical Methods</i> , 2019 , 12, 381-393	3.4	14
82	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	6.2	6
81	Chemometrics-assisted liquid chromatography-full scan mass spectrometry for simultaneous determination of multi-class estrogens in infant milk powder. <i>Analytical Methods</i> , 2018 , 10, 1459-1471	3.2	10
80	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	6.6	12
79	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	6.2	17
78	Simultaneous and interference-free determination of eleven non-steroidal anti-inflammatory drugs illegally added into Chinese patent drugs using chemometrics-assisted HPLC-DAD strategy. <i>Science China Chemistry</i> , 2018 , 61, 739-749	7.9	6
77	Rapid, simultaneous and interference-free determination of three rhodamine dyes illegally added into chilli samples using excitation-emission matrix fluorescence coupled with second-order calibration method. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018,	4.4	13
76	Chemometrics-assisted liquid chromatography with full scan mass spectrometry for the interference-free determination of glucocorticoids illegally added to face masks. <i>Journal of Separation Science</i> , 2018 , 41, 3527-3537	3.4	10
75	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	4.4	11
74	Chemometrics-assisted HPLC-DAD as a rapid and interference-free strategy for simultaneous determination of 17 polyphenols in raw propolis. <i>Analytical Methods</i> , 2018 , 10, 5577-5588	3.2	9

73	Comparison of the performances of several commonly used algorithms for second-order calibration. <i>Analytical Methods</i> , 2018 , 10, 4801-4812	3.2	O
72	Simultaneous determination of umbelliferone and scopoletin in Tibetan medicine Saussurea laniceps and traditional Chinese medicine Radix angelicae pubescentis using excitation-emission matrix fluorescence coupled with second-order calibration method. <i>Spectrochimica Acta - Part A:</i>	4.4	29
71	Fast and simultaneous determination of 12 polyphenols in apple peel and pulp by using chemometrics-assisted high-performance liquid chromatography with diode array detection. Journal of Separation Science, 2017, 40, 1651-1659	3.4	10
70	Direct and interference-free determination of thirteen phenolic compounds in red wines using a chemometrics-assisted HPLC-DAD strategy for authentication of vintage year. <i>Analytical Methods</i> , 2017 , 9, 3361-3374	3.2	24
69	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. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017,	4.4	14
68	Chemometrics-enhanced liquid chromatography-full scan-mass spectrometry for interference-free analysis of multi-class mycotoxins in complex cereal samples. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2017 , 160, 125-138	3.8	23
67	Pharmacokinetic Analysis of Four Bioactive Iridoid and Secoiridoid Glycoside Components of Radix Gentianae Macrophyllae and Their Synergistic Excretion by HPLC-DAD Combined with Second-Order Calibration. <i>Natural Products and Bioprospecting</i> , 2017 , 7, 445-459	4.9	3
66	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	1.7	4
65	Rapid and simultaneous determination of five vinca alkaloids in Catharanthus roseus and human serum using trilinear component modeling of liquid chromatography-diode array detection data. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016,	3.2	24
64	1026, 114-123 A chemometrics-assisted excitation@mission matrix fluorescence method for simultaneous determination of arbutin and hydroquinone in cosmetic products. <i>Analytical Methods</i> , 2016 , 8, 4941-494	1 ² .2	16
63	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	6.6	17
62	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	4.5	23
61	Determination of benzo[a]pyrene in cigarette mainstream smoke by using mid-infrared spectroscopy associated with a novel chemometric algorithm. <i>Analytica Chimica Acta</i> , 2016 , 902, 43-49	6.6	7
60	Interference-free analysis of aflatoxin B1 and G1 in various foodstuffs using trilinear component modeling of excitation mission matrix fluorescence data enhanced through photochemical derivatization. <i>RSC Advances</i> , 2016 , 6, 25850-25863	3.7	6
59	Chemometrics-enhanced full scan mode of liquid chromatographythass 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	3.8	20
58	A study on the differential strategy of some iterative trilinear decomposition algorithms: PARAFAC-ALS, ATLD, SWATLD, and APTLD. <i>Journal of Chemometrics</i> , 2015 , 29, 179-192	1.6	17
57	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	4.5	9
56	Quantitative investigation of the dynamic interaction of human serum albumin with procaine using a multi-way calibration method coupled with three-dimensional fluorescence spectroscopy. Analytical Methods, 2015, 7, 6552-6560	3.2	6

(2013-2015)

55	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	6.6	12	
54	Chemometrics-assisted determination of amiloride and triamterene in biological fluids with overlapped peaks and unknown interferences. <i>Bioanalysis</i> , 2015 , 7, 1685-97	2.1	9	
53	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, 2781-8	3.4	27	
52	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	6.6	18	
51	An alternating coupled two-unequal residual functions algorithm for second-order calibration. <i>Analytical Methods</i> , 2014 , 6, 6322	3.2	5	
50	Quantitative study of state switching in proteins using a single probe combined with trilinear decomposition. <i>New Journal of Chemistry</i> , 2014 , 38, 2422-2427	3.6	3	
49	Multi-targeted interference-free determination of ten Eblockers 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	6.6	42	
48	Chemometric strategy for automatic chromatographic peak detection and background drift correction in chromatographic data. <i>Journal of Chromatography A</i> , 2014 , 1359, 262-70	4.5	35	
47	Recent developments of chemical multiway calibration methodologies with second-order or higher-order advantages. <i>Journal of Chemometrics</i> , 2014 , 28, 476-489	1.6	77	
46	Simultaneous determination of aromatic amino acids in different systems using three-way calibration based on the PARAFAC-ALS algorithm coupled with EEM fluorescence: exploration of second-order advantages. <i>Analytical Methods</i> , 2014 , 6, 6358-6368	3.2	20	
45	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</i>	4.5	22	
44	Chromatography A, 2014 , 1364, 151-62 Direct quantitative analysis of aromatic amino acids in human plasma by four-way calibration using intrinsic fluorescence: exploration of third-order advantages. <i>Talanta</i> , 2014 , 122, 293-301	6.2	30	
43	Simultaneous determination of eight flavonoids in propolis using chemometrics-assisted high performance liquid chromatography-diode array detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014 , 962, 59-67	3.2	25	
42	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	3.2	31	
41	A novel chromatographic peak alignment method coupled with trilinear decomposition for three dimensional chromatographic data analysis to obtain the second-order advantage. <i>Analyst, The</i> , 2013 , 138, 627-34	5	28	
40	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	3.2	11	
39	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, 62-9	8.5	50	
38	Nonlinear Multivariate Calibration of Shelf Life of Preserved Eggs (Pidan) by Near Infrared Spectroscopy: Stacked Least Squares Support Vector Machine with Ensemble Preprocessing. <i>Journal of Spectroscopy</i> , 2013 , 2013, 1-7	1.5	2	

37	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, 1097-104	1.7	18
36	Second-order calibration applied to quantification of two active components of in complex matrix. Journal of Pharmaceutical Analysis, 2012 , 2, 241-248	14	7
35	Simultaneous determination of pre-emergence herbicides in environmental samples using HPLC-DAD combined with second-order calibration based on self-weighted alternating trilinear decomposition algorithm. <i>Analytical Methods</i> , 2012 , 4, 685	3.2	13
34	Measuring estriol and estrone simultaneously in liquid cosmetic samples using second-order calibration coupled with excitation matrix fluorescence based on region selection. Analytical Methods, 2012, 4, 222-229	3.2	13
33	A novel method to handle Rayleigh scattering in three-way excitation-emission fluorescence data. <i>Analytical Methods</i> , 2012 , 4, 3987	3.2	17
32	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	4.5	42
31	Algorithm combination strategy to obtain the second-order advantage: simultaneous determination of target analytes in plasma using three-dimensional fluorescence spectroscopy. <i>Journal of Chemometrics</i> , 2012 , 26, 197-208	1.6	12
30	Simultaneous determination of dextromethorphan and its metabolite dextrorphan in plasma samples using second-order calibration coupled with excitation-emission matrix fluorescence. <i>Analytical Sciences</i> , 2011 , 27, 663-6	1.7	11
29	A new third-order calibration method with application for analysis of four-way data arrays. <i>Journal of Chemometrics</i> , 2011 , 25, n/a-n/a	1.6	3
28	A comparison of several trilinear second-order calibration algorithms. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2011 , 106, 93-107	3.8	44
27	Simultaneous Determination of Dextromethorphan and Quinidine Contents in Biological Fluid Samples Using Excitation-Emission Matrix Fluorescence Coupled with Second-Order Calibration Methods. <i>Analytical Letters</i> , 2010 , 43, 2739-2750	2.2	2
26	Using Sub-Band Reconstruction in Wavelet Space and Fourier Transform to Extract Local Features from Analytical Signals Exactly and Straightforwardly. <i>Analytical Letters</i> , 2010 , 43, 1019-1032	2.2	
25	Self-weighted alternating normalized residue fitting algorithm with application to quantitative analysis of excitation-emission matrix fluorescence data. <i>Analytical Methods</i> , 2010 , 2, 1918	3.2	17
24	Quantitative analysis of fluphenazine hydrochloride in human urine using excitation-emission matrix fluorescence based on oxidation derivatization and combined with second-order calibration methods. <i>Analytical Methods</i> , 2010 , 2, 1069	3.2	11
23	Automatic configuration of optimized sample-weighted least-squares support vector machine by particle swarm optimization for multivariate spectral analysis. <i>Analytical Methods</i> , 2010 , 2, 282	3.2	9
22	Studying the uptake of aniline vapor by active alumina through in-line monitoring a differential adsorption bed with near-infrared diffuse reflectance spectroscopy. <i>Adsorption</i> , 2009 , 15, 23-29	2.6	8
21	MVC2: A MATLAB graphical interface toolbox for second-order multivariate calibration. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2009 , 96, 246-251	3.8	181
20	Multi-way chemometric methodologies and applications: a central summary of our research work. <i>Analytica Chimica Acta</i> , 2009 , 650, 131-42	6.6	94

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19	Interference-free determination of and in plant samples using excitation-emission matrix fluorescence based on oxidationderivatization coupled with second-order calibration methods. <i>Analytical Methods</i> , 2009 , 1, 115-122	3.2	21
18	Simultaneous determination of 6-methylcoumarin and 7-methoxycoumarin in cosmetics using three-dimensional excitation-emission matrix fluorescence coupled with second-order calibration methods. <i>Talanta</i> , 2008 , 75, 1260-9	6.2	28
17	Determination of psoralen in human plasma using excitation-emission matrix fluorescence coupled to second-order calibration. <i>Analytical Sciences</i> , 2008 , 24, 1171-6	1.7	25
16	Alternating penalty quadrilinear decomposition algorithm for an analysis of four-way data arrays. <i>Journal of Chemometrics</i> , 2007 , 21, 133-144	1.6	47
15	Trilinear decomposition method applied to removal of three-dimensional background drift in comprehensive two-dimensional separation data. <i>Journal of Chromatography A</i> , 2007 , 1167, 178-83	4.5	46
14	Interference-free determination of Sudan dyes in chilli foods using second-order calibration algorithms coupled with HPLC-DAD. <i>Talanta</i> , 2007 , 72, 926-31	6.2	69
13	Dry film method with ytterbium as the internal standard for near infrared spectroscopic plasma glucose assay coupled with boosting support vector regression. <i>Journal of Chemometrics</i> , 2006 , 20, 13-2	21 ^{.6}	21
12	Alternating penalty trilinear decomposition algorithm for second-order calibration with application to interference-free analysis of excitation matrix fluorescence data. <i>Journal of Chemometrics</i> , 2005 , 19, 65-76	1.6	113
11	On the self-weighted alternating trilinear decomposition algorithm the property of being insensitive to excess factors used in calculation. <i>Journal of Chemometrics</i> , 2001 , 15, 439-453	1.6	36
10	Second-Order Standard Addition Method Based on Alternating Trilinear Decomposition <i>Analytical Sciences</i> , 2000 , 16, 217-220	1.7	12
9	Three-way data resolution by alternating slice-wise diagonalization (ASD) method. <i>Journal of Chemometrics</i> , 2000 , 14, 15-36	1.6	41
8	A novel trilinear decomposition algorithm for second-order linear calibration. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2000 , 52, 75-86	3.8	160
7	A PARAFAC algorithm using penalty diagonalization error (PDE) for three-way data array resolution. <i>Analyst, The</i> , 2000 , 125, 2303-10	5	25
6	Alternating coupled vectors resolution (ACOVER) method for trilinear analysis of three-way data. Journal of Chemometrics, 1999 , 13, 557-578	1.6	25
5	Coupled vectors resolution method for chemometric calibration with three-way data. <i>Analytical Chemistry</i> , 1999 , 71, 4254-62	7.8	13
4	An alternating trilinear decomposition algorithm with application to calibration of HPLCDAD for simultaneous determination of overlapped chlorinated aromatic hydrocarbons. <i>Journal of Chemometrics</i> , 1998 , 12, 1-26	1.6	294
3	Alternative Algorithm for Simultaneous Determinations of Components Poorly Resolved by Liquid Chromatography with Multiwavelength Detection <i>Analytical Sciences</i> , 1997 , 13, 99-108	1.7	2
2	Second-Order Calibration Based on Alternating Trilinear Decomposition: A Comparison with the Traditional PARAFAC Algorithm <i>Analytical Sciences</i> , 1997 , 13, 53-58	1.7	5

Data fusion of synchronous fluorescence and surface enhanced Raman scattering spectroscopies for geographical origin traceability of Atractylodes macrocephala Koidz. *Spectroscopy Letters*,1-12

1.1