

# Huitao Zeng

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

1,361  
citations

393982

19  
h-index

360668

35  
g-index

50  
all docs

50  
docs citations

50  
times ranked

1742  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep-Learning-Based Drug-Target Interaction Prediction. <i>Journal of Proteome Research</i> , 2017, 16, 1401-1409.	1.8	381
2	Deep learning-based component identification for the Raman spectra of mixtures. <i>Analyst</i> , 2019, 144, 1789-1798.	1.7	130
3	DeepMirTar: a deep-learning approach for predicting human miRNA targets. <i>Bioinformatics</i> , 2018, 34, 3781-3787.	1.8	65
4	Prediction of Liquid Chromatographic Retention Time with Graph Neural Networks to Assist in Small Molecule Identification. <i>Analytical Chemistry</i> , 2021, 93, 2200-2206.	3.2	60
5	Predicting a Molecular Fingerprint from an Electron Ionization Mass Spectrum with Deep Neural Networks. <i>Analytical Chemistry</i> , 2020, 92, 8649-8653.	3.2	59
6	Deep MS/MS-Aided Structural-Similarity Scoring for Unknown Metabolite Identification. <i>Analytical Chemistry</i> , 2019, 91, 5629-5637.	3.2	47
7	Synthesis of Multi-Au-Nanoparticle-Embedded Mesoporous Silica Microspheres as Self-Filtering and Reusable Substrates for SERS Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 42156-42166.	4.0	44
8	Comprehensive metabolic profiles of seminal plasma with different forms of male infertility and their correlation with sperm parameters. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 177, 112888.	1.4	39
9	Baseline correction of high resolution spectral profile data based on exponential smoothing. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2014, 139, 97-108.	1.8	37
10	Classification of Green and Black Teas by PCA and SVM Analysis of Cyclic Voltammetric Signals from Metallic Oxide-Modified Electrode. <i>Food Analytical Methods</i> , 2014, 7, 472-480.	1.3	36
11	Selective iteratively reweighted quantile regression for baseline correction. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 1985-1998.	1.9	26
12	Absolute quantitative imaging of sphingolipids in brain tissue by exhaustive liquid microjunction surface sampling-liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2020, 1609, 460436.	1.8	26
13	In situ fabrication of label-free optical sensing paper strips for the rapid surface-enhanced Raman scattering (SERS) detection of brassinosteroids in plant tissues. <i>Talanta</i> , 2017, 165, 313-320.	2.9	25
14	KPIC2: An Effective Framework for Mass Spectrometry-Based Metabolomics Using Pure Ion Chromatograms. <i>Analytical Chemistry</i> , 2017, 89, 7631-7640.	3.2	25
15	UPLC-ESI-IT-TOF-MS metabolomic study of the therapeutic effect of Xuefu Zhuyu decoction on rats with traumatic brain injury. <i>Journal of Ethnopharmacology</i> , 2019, 245, 112149.	2.0	24
16	Qualitative analysis of major constituents from Xue Fu Zhu Yu Decoction using ultra high performance liquid chromatography with hybrid ion trap time-of-flight mass spectrometry. <i>Journal of Separation Science</i> , 2016, 39, 3457-3468.	1.3	23
17	Characterizing semen abnormality male infertility using non-targeted blood plasma metabolomics. <i>PLoS ONE</i> , 2019, 14, e0219179.	1.1	23
18	The rapid determination of total polyphenols content and antioxidant activity in <i>Dendrobium officinale</i> using near-infrared spectroscopy. <i>Analytical Methods</i> , 2016, 8, 4584-4589.	1.3	21

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19	Sensitive surface enhanced Raman spectroscopy (SERS) detection of methotrexate by core-shell-satellite magnetic microspheres. <i>Talanta</i> , 2017, 171, 152-158.	2.9	21
20	Direct calibration transfer to principal components via canonical correlation analysis. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2018, 181, 21-28.	1.8	21
21	Retention time prediction in hydrophilic interaction liquid chromatography with graph neural network and transfer learning. <i>Journal of Chromatography A</i> , 2021, 1656, 462536.	1.8	17
22	Recursive Wavelet Peak Detection of Analytical Signals. <i>Chromatographia</i> , 2016, 79, 1247-1255.	0.7	15
23	Enhancing coverage in LC-MS-based untargeted metabolomics by a new sample preparation procedure using mixed-mode solid-phase extraction and two derivatizations. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 6189-6202.	1.9	15
24	Fast and Low-Cost Surface-Enhanced Raman Scattering (SERS) Method for On-Site Detection of Flumetsulam in Wheat. <i>Molecules</i> , 2020, 25, 4662.	1.7	15
25	Feature extraction from resolution perspective for gas chromatography-mass spectrometry datasets. <i>RSC Advances</i> , 2016, 6, 113997-114004.	1.7	14
26	Scalable calibration transfer without standards via dynamic time warping for near-infrared spectroscopy. <i>Analytical Methods</i> , 2019, 11, 4481-4493.	1.3	14
27	Fully automatic resolution of untargeted GC-MS data with deep learning assistance. <i>Talanta</i> , 2022, 244, 123415.	2.9	13
28	Application of sparse linear discriminant analysis for metabolomics data. <i>Analytical Methods</i> , 2014, 6, 9037-9044.	1.3	12
29	Deep-Learning-Assisted multivariate curve resolution. <i>Journal of Chromatography A</i> , 2021, 1635, 461713.	1.8	12
30	Evaluation and prediction of the antioxidant activity of Epimedium from multi-wavelength chromatographic fingerprints and chemometrics. <i>Analytical Methods</i> , 2014, 6, 1036.	1.3	11
31	Pure ion chromatogram extraction via optimal k-means clustering. <i>RSC Advances</i> , 2016, 6, 56977-56985.	1.7	10
32	Deep Learning-Based Method for Compound Identification in NMR Spectra of Mixtures. <i>Molecules</i> , 2022, 27, 3653.	1.7	10
33	Separation of Glycolipids/Sphingolipids from Glycerophospholipids on TiO <sub>2</sub> Coating in Aprotic Solvent for Rapid Comprehensive Lipidomic Analysis with Liquid Microjunction Surface Sampling-Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 11250-11259.	3.2	9
34	Mixture analysis using non-negative elastic net for Raman spectroscopy. <i>Journal of Chemometrics</i> , 2020, 34, e3293.	0.7	8
35	Unitary and binary chromatographic fingerprints analysis of Epimedium. <i>Analytical Methods</i> , 2013, 5, 5331.	1.3	7
36	IsoResolve: predicting splice isoform functions by integrating gene and isoform-level features with domain adaptation. <i>Bioinformatics</i> , 2021, 37, 522-530.	1.8	7

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37	Exploring asthenozoospermia seminal plasma amino acid disorder based on GC-SIM-MS combined with chemometrics methods. <i>Analytical Methods</i> , 2019, 11, 2895-2902.	1.3	6
38	Sample classification of GC-ToF-MS metabolomics data without the requirement for chromatographic deconvolution. <i>Metabolomics</i> , 2011, 7, 191-205.	1.4	5
39	Metabolic profiling putatively identifies plasma biomarkers of male infertility using UPLC-ESI-IT-TOFMS. <i>RSC Advances</i> , 2018, 8, 25974-25982.	1.7	5
40	TarMet: a reactive GUI tool for efficient and confident quantification of MS based targeted metabolic and stable isotope tracer analysis. <i>Metabolomics</i> , 2018, 14, 68.	1.4	5
41	Development of a sensitive and rapid UHPLC-MS/MS method for simultaneous quantification of nine compounds in rat plasma and application in a comparative pharmacokinetic study after oral administration of Xuefu Zhuyu Decoction and nimodipine. <i>Biomedical Chromatography</i> , 2020, 34, e4872.	0.8	5
42	Rapid and sensitive detection of neotame in instant grain beverages by paper-based silver nanoparticles substrates. <i>Micro and Nano Letters</i> , 2020, 15, 1099-1104.	0.6	5
43	Standardization of Raman spectra using variable penalty dynamic time warping. <i>Analytical Methods</i> , 2021, 13, 3414-3423.	1.3	2
44	Pure Ion Chromatograms Combined with Advanced Machine Learning Methods Improve Accuracy of Discriminant Models in LC-MS-Based Untargeted Metabolomics. <i>Molecules</i> , 2021, 26, 2715.	1.7	2
45	Chromatographic Profiling with Machine Learning Discriminates the Maturity Grades of <i>Nicotiana tabacum</i> L. Leaves. <i>Separations</i> , 2021, 8, 9.	1.1	2
46	Chemometrics in instrumental analysis of complex systems in honor and memory of Yi Zeng Liang. <i>Journal of Chemometrics</i> , 2018, 32, e3095.	0.7	1
47	Two-Way Data Analysis: Multivariate Curve Resolution: Noniterative Resolution Methods. , 2020, , 137-152.		1
48	A GC-MS study of the stability of rat serum metabolome during the sample preparation procedure. <i>Analytical Methods</i> , 2013, 5, 6807.	1.3	0
49	Detection of cimetidine in human plasma by surface-enhanced Raman scattering. <i>Micro and Nano Letters</i> , 2020, 15, 514-518.	0.6	0