

Suming Chen

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

2,327
citations

279487

23
h-index

214527

47
g-index

57
all docs

57
docs citations

57
times ranked

3424
citing authors

#	ARTICLE	IF	CITATIONS
1	Lysosomal pH Rise during Heat Shock Monitored by a Lysosome-Targeting Near-Infrared Ratiometric Fluorescent Probe. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10916-10920.	7.2	369
2	Mass spectrometry imaging reveals the sub-organ distribution of carbon nanomaterials. <i>Nature Nanotechnology</i> , 2015, 10, 176-182.	15.6	164
3	Carbon Nanodots As a Matrix for the Analysis of Low-Molecular-Weight Molecules in Both Positive- and Negative-Ion Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry and Quantification of Glucose and Uric Acid in Real Samples. <i>Analytical Chemistry</i> , 2013, 85, 6646-6652.	3.2	151
4	A highly specific ferrocene-based fluorescent probe for hypochlorous acid and its application to cell imaging. <i>Analyst</i> , 2010, 135, 577.	1.7	141
5	MALDI-TOF MS Imaging of Metabolites with a <i>N</i> -(1-Naphthyl) Ethylenediamine Dihydrochloride Matrix and Its Application to Colorectal Cancer Liver Metastasis. <i>Analytical Chemistry</i> , 2015, 87, 422-430.	3.2	120
6	Mass Spectrometry for Paper-Based Immunoassays: Toward On-Demand Diagnosis. <i>Journal of the American Chemical Society</i> , 2016, 138, 6356-6359.	6.6	109
7	1,5-Diaminonaphthalene Hydrochloride Assisted Laser Desorption/Ionization Mass Spectrometry Imaging of Small Molecules in Tissues Following Focal Cerebral Ischemia. <i>Analytical Chemistry</i> , 2014, 86, 10114-10121.	3.2	105
8	Picomole-Scale Real-Time Photoreaction Screening: Discovery of the Visible-Light-Promoted Dehydrogenation of Tetrahydroquinolines under Ambient Conditions. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9345-9349.	7.2	93
9	Lipid accumulation and oxidation in glioblastoma multiforme. <i>Scientific Reports</i> , 2019, 9, 19593.	1.6	87
10	A near-infrared fluorescent probe for monitoring tyrosinase activity. <i>Chemical Communications</i> , 2010, 46, 2560.	2.2	70
11	Mass spectrometry imaging of the in situ drug release from nanocarriers. <i>Science Advances</i> , 2018, 4, eaat9039.	4.7	70
12	2,3,4,5-Tetrakis(3,4-dihydroxyphenyl)thiophene: A New Matrix for the Selective Analysis of Low Molecular Weight Amines and Direct Determination of Creatinine in Urine by MALDI-TOF MS. <i>Analytical Chemistry</i> , 2012, 84, 10291-10297.	3.2	60
13	Lipidomic characterization of extracellular vesicles in human serum. <i>Journal of Circulating Biomarkers</i> , 2019, 8, 184945441987984.	0.8	56
14	Synthesis of graphene nanosheet powder with layer number control via a soluble salt-assisted route. <i>RSC Advances</i> , 2014, 4, 13350.	1.7	54
15	New Approach for Local Structure Analysis of the Tyrosine Domain in Proteins by Using a Site-Specific and Polarity-Sensitive Fluorescent Probe. <i>ChemBioChem</i> , 2009, 10, 1200-1207.	1.3	49
16	<i>N</i> -(1-Naphthyl) Ethylenediamine Dinitrate: A New Matrix for Negative Ion MALDI-TOF MS Analysis of Small Molecules. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 1454-1460.	1.2	40
17	Picomole-Scale Real-Time Photoreaction Screening: Discovery of the Visible-Light-Promoted Dehydrogenation of Tetrahydroquinolines under Ambient Conditions. <i>Angewandte Chemie</i> , 2016, 128, 9491-9495.	1.6	31
18	An integrated mass spectrometry platform enables picomole-scale real-time electrocatalytic reaction screening and discovery. <i>Chemical Science</i> , 2018, 9, 5724-5729.	3.7	31

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19	Molecularly imprinted solid-phase extraction combined with electrochemical oxidation fluorimetry for the determination of methotrexate in human serum and urine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 70, 36-41.	2.0	29
20	A visible-light activated [2 + 2] cycloaddition reaction enables pinpointing carbon-carbon double bonds in lipids. <i>Chemical Science</i> , 2020, 11, 7244-7251.	3.7	28
21	Distinct lipid metabolic dysregulation in asymptomatic COVID-19. <i>IScience</i> , 2021, 24, 102974.	1.9	28
22	1-Naphthylhydrazine hydrochloride: A new matrix for the quantification of glucose and homogentisic acid in real samples by MALDI-TOF MS. <i>Clinica Chimica Acta</i> , 2013, 420, 94-98.	0.5	26
23	Differentiation of Chinese liquors by using ambient glow discharge ionization mass spectrometry. <i>Analyst</i> , 2013, 138, 3830.	1.7	25
24	Rapidly Probing Antibacterial Activity of Graphene Oxide by Mass Spectrometry-based Metabolite Fingerprinting. <i>Scientific Reports</i> , 2016, 6, 28045.	1.6	23
25	Molecularly imprinted on-line solid-phase extraction combined with chemiluminescence for the determination of pazufloxacin mesilate. <i>Mikrochimica Acta</i> , 2007, 159, 299-304.	2.5	22
26	Flow-injection electrochemical oxidation fluorimetry for determination of methotrexate. <i>Luminescence</i> , 2007, 22, 338-342.	1.5	21
27	Fluorographene nanosheets: a new carbon-based matrix for the detection of small molecules by MALDI-TOF MS. <i>RSC Advances</i> , 2016, 6, 99714-99719.	1.7	21
28	Spectroscopic Response of Ferrocene Derivatives Bearing a BODIPY Moiety to Water: A New Dissociation Reaction. <i>Chemistry - A European Journal</i> , 2012, 18, 925-930.	1.7	20
29	Electrospray soft-landing for the construction of non-covalent molecular nanostructures using charged droplets under ambient conditions. <i>Chemical Communications</i> , 2016, 52, 13660-13663.	2.2	19
30	Interface solution isoelectric focusing with in situ MALDI-TOF mass spectrometry. <i>Electrophoresis</i> , 2014, 35, 2528-2533.	1.3	18
31	Dual-resolving of positional and geometric isomers of C=C bonds via bifunctional photocycloaddition-photoisomerization reaction system. <i>Nature Communications</i> , 2022, 13, 2652.	5.8	18
32	Rhodamine-B Piperazinoacetohydrazine: A Water-soluble Spectroscopic Reagent for Pyruvic Acid Labeling. <i>Chemistry - A European Journal</i> , 2010, 16, 6638-6643.	1.7	16
33	Induced Dual-Nanospray: A Novel Internal Calibration Method for Convenient and Accurate Mass Measurement. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 1446-1449.	1.2	15
34	Organic salt NEDC (N-naphthylethylenediamine dihydrochloride) assisted laser desorption ionization mass spectrometry for identification of metal ions in real samples. <i>Analyst</i> , 2014, 139, 3469-3475.	1.7	15
35	In Situ Bioconjugation and Ambient Surface Modification Using Reactive Charged Droplets. <i>Analytical Chemistry</i> , 2015, 87, 3144-3148.	3.2	14
36	Quantitative Assessment of Protein Adsorption on Microparticles with Particle Mass Spectrometry. <i>Analytical Chemistry</i> , 2014, 86, 3876-3881.	3.2	13

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37	Characterization of organic aerosol in Beijing by laser desorption ionization coupled with Fourier Transform Ion Cyclotron Resonance Mass spectrometry. <i>Atmospheric Environment</i> , 2017, 159, 55-65.	1.9	11
38	High-Throughput Nano-Electrostatic-Spray Ionization/Photoreaction Mass Spectrometric Platform for the Discovery of Visible-Light-Activated Photocatalytic Reactions in the Picomole Scale. <i>Analytical Chemistry</i> , 2021, 93, 14560-14567.	3.2	10
39	Plasma-based ambient sampling/ionization/transmission integrated source for mass spectrometry. <i>Analyst</i> , 2014, 139, 5387-5392.	1.7	9
40	A Theoretical Method for Characterizing Nonlinear Effects in Paul Traps with Added Octopole Field. <i>Journal of the American Society for Mass Spectrometry</i> , 2015, 26, 1338-1348.	1.2	9
41	Impaired insulin sensitivity is associated with worsening cognition in HIV-infected patients. <i>Neurology</i> , 2019, 92, e1344-e1353.	1.5	9
42	Application of flowerlike MgO for highly sensitive determination of lead via matrix-assisted laser desorption/ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 208-216.	0.7	5
43	Machine Learning of Serum Metabolic Patterns Encodes Asymptomatic SARS-CoV-2 Infection. <i>Frontiers in Chemistry</i> , 2021, 9, 746134.	1.8	5
44	Nonlinear Effects in Paul Traps Operated in the Second Stability Region: Analytical Analysis and Numerical Verification. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 1882-1889.	1.2	4
45	N-Terminal Specific Fluorescence Labeling and its Use in Local Structure Analysis of Proteins (Invited) <i>Tj ETQq1 1 0.784314 rgBT /Over</i>	0.2	4
46	Analysis of local structure of Arg10 domain in apo- β -lactalbumin with a polarity-sensitive arginine-specific fluorescent probe. <i>Science in China Series B: Chemistry</i> , 2009, 52, 809-814.	0.8	2
47	A General Nanocoating Method via Photoinduced Self-Initiation. <i>Langmuir</i> , 2021, 37, 5548-5553.	1.6	2
48	A protocol for investigating lipidomic dysregulation and discovering lipid biomarkers from human serums. <i>STAR Protocols</i> , 2022, 3, 101125.	0.5	1
49	Uncovering the interference from lipid fragments on the qualification and quantification of serum metabolites in matrix-assisted laser desorption/ionization time-of-flight mass spectrometric analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2022, 36, e9293.	0.7	1
50	N-Terminal Specific Fluorescence Labeling and its Use in Local Structure Analysis of Proteins (Invited) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</i>	0.2	0