

Suming Chen

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.

51 papers	1,828 citations	21 h-index	42 g-index
57 ext. papers	2,096 ext. citations	6.3 avg, IF	4.82 L-index

#	Paper	IF	Citations
51	A protocol for investigating lipidomic dysregulation and discovering lipid biomarkers from human serums.. <i>STAR Protocols</i> , 2022 , 3, 101125	1.4	
50	Uncover the Interference of Lipid Fragments on the Qualification and Quantification of Serum Metabolites in MALDI-TOF MS Analysis.. <i>Rapid Communications in Mass Spectrometry</i> , 2022 , e9293	2.2	0
49	Dual-resolving of positional and geometric isomers of C=C bonds via bifunctional photocycloaddition-photoisomerization reaction system.. <i>Nature Communications</i> , 2022 , 13, 2652	17.4	3
48	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	7.8	3
47	A General Nanocoating Method via Photoinduced Self-Initiation. <i>Langmuir</i> , 2021 , 37, 5548-5553	4	1
46	Distinct lipid metabolic dysregulation in asymptomatic COVID-19. <i>IScience</i> , 2021 , 24, 102974	6.1	8
45	Machine Learning of Serum Metabolic Patterns Encodes Asymptomatic SARS-CoV-2 Infection. <i>Frontiers in Chemistry</i> , 2021 , 9, 746134	5	1
44	A visible-light activated [2 + 2] cycloaddition reaction enables pinpointing carbon-carbon double bonds in lipids. <i>Chemical Science</i> , 2020 , 11, 7244-7251	9.4	16
43	Impaired insulin sensitivity is associated with worsening cognition in HIV-infected patients. <i>Neurology</i> , 2019 , 92, e1344-e1353	6.5	6
42	Lipidomic characterization of extracellular vesicles in human serum. <i>Journal of Circulating Biomarkers</i> , 2019 , 8, 1849454419879848	3.3	31
41	Lipid accumulation and oxidation in glioblastoma multiforme. <i>Scientific Reports</i> , 2019 , 9, 19593	4.9	33
40	Mass spectrometry imaging of the in situ drug release from nanocarriers. <i>Science Advances</i> , 2018 , 4, eaat1439	10.3	46
39	An integrated mass spectrometry platform enables picomole-scale real-time electrosynthetic reaction screening and discovery. <i>Chemical Science</i> , 2018 , 9, 5724-5729	9.4	17
38	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	5.3	8
37	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 Suppl 1, 208-16	2.2	4
36	Rapidly Probing Antibacterial Activity of Graphene Oxide by Mass Spectrometry-based Metabolite Fingerprinting. <i>Scientific Reports</i> , 2016 , 6, 28045	4.9	21
35	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	3.7	18

34	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	3.6	25
33	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, 9345-9	16.4	69
32	Mass Spectrometry for Paper-Based Immunoassays: Toward On-Demand Diagnosis. <i>Journal of the American Chemical Society</i> , 2016 , 138, 6356-9	16.4	86
31	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	5.8	17
30	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, 1338-48	3.5	8
29	Mass spectrometry imaging reveals the sub-organ distribution of carbon nanomaterials. <i>Nature Nanotechnology</i> , 2015 , 10, 176-82	28.7	131
28	In situ bioconjugation and ambient surface modification using reactive charged droplets. <i>Analytical Chemistry</i> , 2015 , 87, 3144-8	7.8	13
27	MALDI-TOF MS imaging of metabolites with a N-(1-naphthyl) ethylenediamine dihydrochloride matrix and its application to colorectal cancer liver metastasis. <i>Analytical Chemistry</i> , 2015 , 87, 422-30	7.8	86
26	Organic salt NEDC (N-naphthylethylenediamine dihydrochloride) assisted laser desorption ionization mass spectrometry for identification of metal ions in real samples. <i>Analyst, The</i> , 2014 , 139, 3469-75	5	14
25	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, 10114-21	7.8	72
24	Plasma-based ambient sampling/ionization/transmission integrated source for mass spectrometry. <i>Analyst, The</i> , 2014 , 139, 5387-92	5	9
23	Synthesis of graphene nanosheet powder with layer number control via a soluble salt-assisted route. <i>RSC Advances</i> , 2014 , 4, 13350	3.7	43
22	Lysosomal pH rise during heat shock monitored by a lysosome-targeting near-infrared ratiometric fluorescent probe. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 10916-20	16.4	320
21	Quantitative assessment of protein adsorption on microparticles with particle mass spectrometry. <i>Analytical Chemistry</i> , 2014 , 86, 3876-81	7.8	12
20	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, 1882-9	3.5	4
19	Interface solution isoelectric focusing with in situ MALDI-TOF mass spectrometry. <i>Electrophoresis</i> , 2014 , 35, 2528-33	3.6	17
18	Lysosomal pH Rise during Heat Shock Monitored by a Lysosome-Targeting Near-Infrared Ratiometric Fluorescent Probe. <i>Angewandte Chemie</i> , 2014 , 126, 11096-11100	3.6	76
17	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, 1446-9	3.5	14

16	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, 6646-52	7.8	131
15	Differentiation of Chinese liquors by using ambient glow discharge ionization mass spectrometry. <i>Analyst, The</i> , 2013 , 138, 3830-5	5	22
14	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, 94-8	6.2	23
13	Spectroscopic response of ferrocene derivatives bearing a BODIPY moiety to water: a new dissociation reaction. <i>Chemistry - A European Journal</i> , 2012 , 18, 925-30	4.8	20
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, 10291-7	7.8	53
11	N-(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, 1454-60	3.5	38
10	A near-infrared fluorescent probe for monitoring tyrosinase activity. <i>Chemical Communications</i> , 2010 , 46, 2560-2	5.8	59
9	A highly specific ferrocene-based fluorescent probe for hypochlorous acid and its application to cell imaging. <i>Analyst, The</i> , 2010 , 135, 577-82	5	132
8	Rhodamine B piperazinoacetohydrazine: a water-soluble spectroscopic reagent for pyruvic acid labeling. <i>Chemistry - A European Journal</i> , 2010 , 16, 6638-43	4.8	14
7	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, 1200-7	3.8	39
6	Analysis of local structure of Arg10 domain in apo-lactalbumin with a polarity-sensitive arginine-specific fluorescent probe. <i>Science in China Series B: Chemistry</i> , 2009 , 52, 809-814		2
5	N-Terminal Specific Fluorescence Labeling and its Use in Local Structure Analysis of Proteins (Invited Review). <i>Current Chemical Biology</i> , 2008 , 2, 249-255	0.4	
4	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	4.4	24
3	N-Terminal Specific Fluorescence Labeling and its Use in Local Structure Analysis of Proteins (Invited Review). <i>Current Chemical Biology</i> , 2008 , 2, 249-255	0.4	3
2	Flow-injection-electrochemical oxidation fluorimetry for determination of methotrexate. <i>Luminescence</i> , 2007 , 22, 338-42	2.5	16
1	Molecularly imprinted on-line solid-phase extraction combined with chemiluminescence for the determination of pazufloxacin mesilate. <i>Mikrochimica Acta</i> , 2007 , 159, 299-304	5.8	20