

# Suming Chen

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/6231892/suming-chen-publications-by-citations.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Lysosomal pH rise during heat shock monitored by a lysosome-targeting near-infrared ratiometric fluorescent probe. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 10916-20	16.4	320
50	A highly specific ferrocene-based fluorescent probe for hypochlorous acid and its application to cell imaging. <i>Analyst, The</i> , <b>2010</b> , 135, 577-82	5	132
49	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> , <b>2013</b> , 85, 6646-52	7.8	131
48	Mass spectrometry imaging reveals the sub-organ distribution of carbon nanomaterials. <i>Nature Nanotechnology</i> , <b>2015</b> , 10, 176-82	28.7	131
47	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> , <b>2015</b> , 87, 422-30	7.8	86
46	Mass Spectrometry for Paper-Based Immunoassays: Toward On-Demand Diagnosis. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 6356-9	16.4	86
45	Lysosomal pH Rise during Heat Shock Monitored by a Lysosome-Targeting Near-Infrared Ratiometric Fluorescent Probe. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 11096-11100	3.6	76
44	1,5-Diaminonaphthalene hydrochloride assisted laser desorption/ionization mass spectrometry imaging of small molecules in tissues following focal cerebral ischemia. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 10114-21	7.8	72
43	Picomole-Scale Real-Time Photoreaction Screening: Discovery of the Visible-Light-Promoted Dehydrogenation of Tetrahydroquinolines under Ambient Conditions. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 9345-9	16.4	69
42	A near-infrared fluorescent probe for monitoring tyrosinase activity. <i>Chemical Communications</i> , <b>2010</b> , 46, 2560-2	5.8	59
41	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> , <b>2012</b> , 84, 10291-7	7.8	53
40	Mass spectrometry imaging of the in situ drug release from nanocarriers. <i>Science Advances</i> , <b>2018</b> , 4, eaat9039	10.3	46
39	Synthesis of graphene nanosheet powder with layer number control via a soluble salt-assisted route. <i>RSC Advances</i> , <b>2014</b> , 4, 13350	3.7	43
38	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> , <b>2009</b> , 10, 1200-7	3.8	39
37	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> , <b>2012</b> , 23, 1454-60	3.5	38
36	Lipid accumulation and oxidation in glioblastoma multiforme. <i>Scientific Reports</i> , <b>2019</b> , 9, 19593	4.9	33
35	Lipidomic characterization of extracellular vesicles in human serum. <i>Journal of Circulating Biomarkers</i> , <b>2019</b> , 8, 1849454419879848	3.3	31

34	Picomole-Scale Real-Time Photoreaction Screening: Discovery of the Visible-Light-Promoted Dehydrogenation of Tetrahydroquinolines under Ambient Conditions. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 9491-9495	3.6	25
33	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> , <b>2008</b> , 70, 36-41	4.4	24
32	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> , <b>2013</b> , 420, 94-8	6.2	23
31	Differentiation of Chinese liquors by using ambient glow discharge ionization mass spectrometry. <i>Analyst, The</i> , <b>2013</b> , 138, 3830-5	5	22
30	Rapidly Probing Antibacterial Activity of Graphene Oxide by Mass Spectrometry-based Metabolite Fingerprinting. <i>Scientific Reports</i> , <b>2016</b> , 6, 28045	4.9	21
29	Spectroscopic response of ferrocene derivatives bearing a BODIPY moiety to water: a new dissociation reaction. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 925-30	4.8	20
28	Molecularly imprinted on-line solid-phase extraction combined with chemiluminescence for the determination of pazufloxacin mesilate. <i>Mikrochimica Acta</i> , <b>2007</b> , 159, 299-304	5.8	20
27	Fluorographene nanosheets: a new carbon-based matrix for the detection of small molecules by MALDI-TOF MS. <i>RSC Advances</i> , <b>2016</b> , 6, 99714-99719	3.7	18
26	Interface solution isoelectric focusing with in situ MALDI-TOF mass spectrometry. <i>Electrophoresis</i> , <b>2014</b> , 35, 2528-33	3.6	17
25	Electrospray soft-landing for the construction of non-covalent molecular nanostructures using charged droplets under ambient conditions. <i>Chemical Communications</i> , <b>2016</b> , 52, 13660-13663	5.8	17
24	An integrated mass spectrometry platform enables picomole-scale real-time electrosynthetic reaction screening and discovery. <i>Chemical Science</i> , <b>2018</b> , 9, 5724-5729	9.4	17
23	A visible-light activated [2 + 2] cycloaddition reaction enables pinpointing carbon-carbon double bonds in lipids. <i>Chemical Science</i> , <b>2020</b> , 11, 7244-7251	9.4	16
22	Flow-injection-electrochemical oxidation fluorimetry for determination of methotrexate. <i>Luminescence</i> , <b>2007</b> , 22, 338-42	2.5	16
21	Organic salt NEDC (N-naphthylethylenediamine dihydrochloride) assisted laser desorption ionization mass spectrometry for identification of metal ions in real samples. <i>Analyst, The</i> , <b>2014</b> , 139, 3469-75	5	14
20	Induced dual-nanospray: a novel internal calibration method for convenient and accurate mass measurement. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2013</b> , 24, 1446-9	3.5	14
19	Rhodamine B piperazinoacetohydrazine: a water-soluble spectroscopic reagent for pyruvic acid labeling. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 6638-43	4.8	14
18	In situ bioconjugation and ambient surface modification using reactive charged droplets. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 3144-8	7.8	13
17	Quantitative assessment of protein adsorption on microparticles with particle mass spectrometry. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 3876-81	7.8	12

16	Plasma-based ambient sampling/ionization/transmission integrated source for mass spectrometry. <i>Analyst, The</i> , <b>2014</b> , 139, 5387-92	5	9
15	Characterization of organic aerosol in Beijing by laser desorption ionization coupled with Fourier Transform Ion Cyclotron Resonance Mass spectrometry. <i>Atmospheric Environment</i> , <b>2017</b> , 159, 55-65	5.3	8
14	A Theoretical Method for Characterizing Nonlinear Effects in Paul Traps with Added Octopole Field. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2015</b> , 26, 1338-48	3.5	8
13	Distinct lipid metabolic dysregulation in asymptomatic COVID-19. <i>IScience</i> , <b>2021</b> , 24, 102974	6.1	8
12	Impaired insulin sensitivity is associated with worsening cognition in HIV-infected patients. <i>Neurology</i> , <b>2019</b> , 92, e1344-e1353	6.5	6
11	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> , <b>2016</b> , 30 Suppl 1, 208-16	2.2	4
10	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> , <b>2014</b> , 25, 1882-9	3.5	4
9	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> , <b>2021</b> , 93, 14560-14567	7.8	3
8	N-Terminal Specific Fluorescence Labeling and its Use in Local Structure Analysis of Proteins (Invited Review). <i>Current Chemical Biology</i> , <b>2008</b> , 2, 249-255	0.4	3
7	Dual-resolving of positional and geometric isomers of C=C bonds via bifunctional photocycloaddition-photoisomerization reaction system.. <i>Nature Communications</i> , <b>2022</b> , 13, 2652	17.4	3
6	Analysis of local structure of Arg10 domain in apo- $\beta$ -lactalbumin with a polarity-sensitive arginine-specific fluorescent probe. <i>Science in China Series B: Chemistry</i> , <b>2009</b> , 52, 809-814		2
5	A General Nanocoating Method via Photoinduced Self-Initiation. <i>Langmuir</i> , <b>2021</b> , 37, 5548-5553	4	1
4	Machine Learning of Serum Metabolic Patterns Encodes Asymptomatic SARS-CoV-2 Infection. <i>Frontiers in Chemistry</i> , <b>2021</b> , 9, 746134	5	1
3	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> , <b>2022</b> , e9293	2.2	0
2	N-Terminal Specific Fluorescence Labeling and its Use in Local Structure Analysis of Proteins (Invited Review). <i>Current Chemical Biology</i> , <b>2008</b> , 2, 249-255	0.4	
1	A protocol for investigating lipidomic dysregulation and discovering lipid biomarkers from human serums.. <i>STAR Protocols</i> , <b>2022</b> , 3, 101125	1.4	