

Hao 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.

52
papers

1,602
citations

23
h-index

39
g-index

61
ext. papers

1,889
ext. citations

7.5
avg, IF

5.1
L-index

#	Paper	IF	Citations
52	Rapid quantitative analysis and suspect screening of per-and polyfluorinated alkyl substances (PFASs) in aqueous film-forming foams (AFFFs) and municipal wastewater samples by Nano-ESI-HRMS.. <i>Water Research</i> , 2022 , 219, 118542	12.5	1
51	Accelerated Oxidation of Organic Sulfides by Microdroplet Chemistry. <i>Journal of Organic Chemistry</i> , 2021 , 86, 5011-5015	4.2	6
50	Absolute Quantitation of Tryptophan-Containing Peptides and Amyloid β Peptide Fragments by Coulometric Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2021 , 32, 1771-1779	3.5	0
49	Location of carbon-carbon double bonds in unsaturated lipids using microdroplet mass spectrometry. <i>Analyst, The</i> , 2021 , 146, 2550-2558	5	3
48	Microdroplet Ultrafast Reactions Speed Antibody Characterization. <i>Analytical Chemistry</i> , 2021 , 93, 3997-4005	7.8	9
47	Alkyne Trifunctionalization via Divergent Gold Catalysis: Combining β Acid Activation, Vinyl-Gold Addition, and Redox Catalysis. <i>Journal of the American Chemical Society</i> , 2021 , 143, 4074-4082	16.4	6
46	Evaluation of Cyclic Amides as Activating Groups in N-C Bond Cross-Coupling: Discovery of β -Acyl- β -valerolactams as Effective Twisted Amide Precursors for Cross-Coupling Reactions. <i>Journal of Organic Chemistry</i> , 2021 , 86, 10455-10466	4.2	2
45	Desalting Paper Spray Mass Spectrometry (DPS-MS) for Rapid Detection of Glycans and Glycoconjugates.. <i>International Journal of Mass Spectrometry</i> , 2021 , 469,	1.9	1
44	Occurrence and Distribution of Per- and Polyfluoroalkyl Substances in Tianjin, China: The Contribution of Emerging and Unknown Analogues. <i>Environmental Science & Technology</i> , 2020 , 54, 14254-14264	10.3	31
43	Regioselective Crossed Aldol Reactions under Mild Conditions via Synergistic Gold-Iron Catalysis. <i>Chem</i> , 2020 , 6, 1420-1431	16.2	10
42	Absolute Quantitation of Proteins by Coulometric Mass Spectrometry. <i>Analytical Chemistry</i> , 2020 , 92, 7877-7883	7.8	4
41	β -Acyl-glutarimides: Effect of Glutarimide Ring on the Structures of Fully Perpendicular Twisted Amides and N-C Bond Cross-Coupling. <i>Journal of Organic Chemistry</i> , 2020 , 85, 5475-5485	4.2	12
40	Reaction of chloroauric acid with histidine in microdroplets yields a catalytic Au-(His) complex. <i>Chemical Science</i> , 2020 , 11, 2558-2565	9.4	13
39	Gold Redox Catalysis with a Selenium Cation as a Mild Oxidant. <i>Chemistry - A European Journal</i> , 2020 , 26, 5946-5950	4.8	7
38	Ultrafast enzymatic digestion of proteins by microdroplet mass spectrometry. <i>Nature Communications</i> , 2020 , 11, 1049	17.4	31
37	BODIPY-Based Photoacid Generators for Light-Induced Cationic Polymerization. <i>Organic Letters</i> , 2020 , 22, 1208-1212	6.2	8
36	Teflon Spray Ionization Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2020 , 31, 234-239	3.5	6

35	Capture of Electrochemically Generated Fleeting Carbazole Radical Cations and Elucidation of Carbazole Dimerization Mechanism by Mass Spectrometry. <i>Analytical Chemistry</i> , 2020 , 92, 15291-15296	7.8	2
34	Fast and Sensitive Detection of Oligosaccharides Using Desalting Paper Spray Mass Spectrometry (DPS-MS). <i>Journal of the American Society for Mass Spectrometry</i> , 2020 , 31, 2226-2235	3.5	4
33	Coulometry-assisted quantitation in spray ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2020 , 56, e4628	2.2	2
32	Electrocatalytic redox neutral [3 + 2] annulation of -cyclopropylanilines and alkenes. <i>Chemical Science</i> , 2020 , 12, 969-975	9.4	9
31	Scale-up of microdroplet reactions by heated ultrasonic nebulization. <i>Chemical Science</i> , 2019 , 10, 9367-9373	9.7	21
30	Improvements for absolute quantitation using electrochemical mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2019 , 443, 41-45	1.9	7
29	Facilitating Gold Redox Catalysis with Electrochemistry: An Efficient Chemical-Oxidant-Free Approach. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 17226-17230	16.4	37
28	Absolute Quantitation of Oxidizable Peptides by Coulometric Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2019 , 30, 2398-2407	3.5	5
27	A New Quantification Method Using Electrochemical Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2019 , 30, 685-693	3.5	10
26	Probing specific ligand-protein interactions by native-denatured exchange mass spectrometry. <i>Analytica Chimica Acta</i> , 2018 , 1036, 58-65	6.6	5
25	Direct Evidence for the Origin of Bis-Gold Intermediates: Probing Gold Catalysis with Mass Spectrometry. <i>Chemistry - A European Journal</i> , 2018 , 24, 2144-2150	4.8	7
24	Conductive Polymer Spray Ionization Mass Spectrometry for Biofluid Analysis. <i>Analytical Chemistry</i> , 2018 , 90, 12878-12885	7.8	24
23	Online Monitoring of Enzymatic Reactions Using Time-Resolved Desorption Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2017 , 89, 2338-2344	7.8	25
22	Detection of Fleeting Amine Radical Cations and Elucidation of Chain Processes in Visible-Light-Mediated [3 + 2] Annulation by Online Mass Spectrometric Techniques. <i>Journal of the American Chemical Society</i> , 2017 , 139, 12259-12266	16.4	51
21	Observation of electrochemically generated nitrenium ions by desorption electrospray ionization mass spectrometry. <i>Chemical Science</i> , 2016 , 7, 329-332	9.4	42
20	Nucleophile promoted gold redox catalysis with diazonium salts: C-Br, C-S and C-P bond formation through catalytic Sandmeyer coupling. <i>Chemical Science</i> , 2016 , 7, 6190-6196	9.4	44
19	Development and Applications of Liquid Sample Desorption Electrospray Ionization Mass Spectrometry. <i>Annual Review of Analytical Chemistry</i> , 2016 , 9, 411-48	12.5	19
18	Identification of fleeting electrochemical reaction intermediates using desorption electrospray ionization mass spectrometry. <i>Journal of the American Chemical Society</i> , 2015 , 137, 7274-7	16.4	86

17	Capture of reactive monophosphine-ligated palladium(0) intermediates by mass spectrometry. <i>Journal of the American Chemical Society</i> , 2015 , 137, 14035-8	16.4	46
16	Detection of the short-lived radical cation intermediate in the electrooxidation of N,N-dimethylaniline by mass spectrometry. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 11183-5	16.4	61
15	Ligand-Assisted Gold-Catalyzed Cross-Coupling with Aryldiazonium Salts: Redox Gold Catalysis without an External Oxidant. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 8772-6	16.4	113
14	Detection of the Short-Lived Radical Cation Intermediate in the Electrooxidation of N,N-Dimethylaniline by Mass Spectrometry. <i>Angewandte Chemie</i> , 2015 , 127, 11335-11337	3.6	19
13	Cross-linking electrochemical mass spectrometry for probing protein three-dimensional structures. <i>Analytical Chemistry</i> , 2014 , 86, 8983-91	7.8	19
12	Highly efficient ionization of phosphopeptides at low pH by desorption electrospray ionization mass spectrometry. <i>Analyst, The</i> , 2013 , 138, 1321-1324	5	11
11	Measuring protein-ligand interactions using liquid sample desorption electrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , 2013 , 85, 11966-72	7.8	27
10	Electrochemistry-assisted top-down characterization of disulfide-containing proteins. <i>Analytical Chemistry</i> , 2012 , 84, 3838-42	7.8	63
9	Coupling of liquid chromatography with mass spectrometry by desorption electrospray ionization (DESI). <i>Chemical Communications</i> , 2011 , 47, 4171-3	5.8	53
8	Direct ionization of large proteins and protein complexes by desorption electrospray ionization-mass spectrometry. <i>Analytical Chemistry</i> , 2011 , 83, 6468-73	7.8	85
7	Development of submillisecond time-resolved mass spectrometry using desorption electrospray ionization. <i>Analytical Chemistry</i> , 2011 , 83, 3994-7	7.8	45
6	Online mass spectrometric analysis of proteins/peptides following electrolytic cleavage of disulfide bonds. <i>Journal of Proteome Research</i> , 2011 , 10, 1293-304	5.6	79
5	The study of protein conformation in solution via direct sampling by desorption electrospray ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2010 , 21, 1730-6	3.5	42
4	Detection of saccharides by reactive desorption electrospray ionization (DESI) using modified phenylboronic acids. <i>International Journal of Mass Spectrometry</i> , 2010 , 289, 98-107	1.9	59
3	Direct analysis of liquid samples by desorption electrospray ionization-mass spectrometry (DESI-MS). <i>Journal of the American Society for Mass Spectrometry</i> , 2009 , 20, 10-9	3.5	132
2	Online coupling of electrochemical reactions with liquid sample desorption electrospray ionization-mass spectrometry. <i>Analytical Chemistry</i> , 2009 , 81, 9716-22	7.8	76
1	cis-Diol functional group recognition by reactive desorption electrospray ionization (DESI). <i>Chemical Communications</i> , 2006 , 597-9	5.8	120