

Xin Yan

List of Publications by Citations

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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.

42
papers

1,262
citations

19
h-index

35
g-index

51
ext. papers

1,615
ext. citations

7.7
avg, IF

5.37
L-index

#	Paper	IF	Citations
42	Organic Reactions in Microdroplets: Reaction Acceleration Revealed by Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 12960-12972	16.4	204
41	Accelerated Reaction Kinetics in Microdroplets: Overview and Recent Developments. <i>Annual Review of Physical Chemistry</i> , 2020 , 71, 31-51	15.7	99
40	Can all bulk-phase reactions be accelerated in microdroplets?. <i>Analyst, The</i> , 2017 , 142, 1399-1402	5	92
39	On-line reaction monitoring and mechanistic studies by mass spectrometry: Negishi cross-coupling, hydrogenolysis, and reductive amination. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5931-5	16.4	80
38	Chemical Reactivity Assessment Using Reactive Paper Spray Ionization Mass Spectrometry: The Katritzky Reaction. <i>ChemPlusChem</i> , 2013 , 78, 1142-1148	2.8	75
37	The Role of the Interface in Thin Film and Droplet Accelerated Reactions Studied by Competitive Substituent Effects. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 3433-7	16.4	73
36	Two-Phase Reactions in Microdroplets without the Use of Phase-Transfer Catalysts. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 3562-3565	16.4	62
35	Beyond the flask: Reactions on the fly in ambient mass spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2014 , 57, 135-146	14.6	62
34	On-Demand Electrochemical Epoxidation in Nano-Electrospray Ionization Mass Spectrometry to Locate Carbon-Carbon Double Bonds. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 209-214	16.4	50
33	Fluorescence Polarization Anisotropy in Microdroplets. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 2928-2932	6.4	42
32	Mass Spectrometry in Organic Synthesis: Claisen-Schmidt Base-Catalyzed Condensation and Hammett Correlation of Substituent Effects. <i>Journal of Chemical Education</i> , 2014 , 91, 1985-1989	2.4	35
31	Preparative microdroplet synthesis of carboxylic acids from aerobic oxidation of aldehydes. <i>Chemical Science</i> , 2018 , 9, 5207-5211	9.4	35
30	Mass Spectrometry for Synthesis and Analysis. <i>Annual Review of Analytical Chemistry</i> , 2018 , 11, 1-28	12.5	30
29	On-Line Reaction Monitoring and Mechanistic Studies by Mass Spectrometry: Negishi Cross-Coupling, Hydrogenolysis, and Reductive Amination. <i>Angewandte Chemie</i> , 2014 , 126, 6041-6045	3.6	24
28	Chemoselective N-Alkylation of Indoles in Aqueous Microdroplets. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 3069-3072	16.4	23
27	Organische Reaktionen in Mikrotröpfchen: Analyse von Reaktionsbeschleunigungen durch Massenspektrometrie. <i>Angewandte Chemie</i> , 2016 , 128, 13152-13166	3.6	23
26	Two-Phase Reactions in Microdroplets without the Use of Phase-Transfer Catalysts. <i>Angewandte Chemie</i> , 2017 , 129, 3616-3619	3.6	21

25	64Cu-labeled lissamine rhodamine B: a promising PET radiotracer targeting tumor mitochondria. <i>Molecular Pharmaceutics</i> , 2011 , 8, 1198-208	5.6	21
24	Cyanine-Gemcitabine Conjugates as Targeted Theranostic Agents for Glioblastoma Tumor Cells. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 9236-9245	8.3	20
23	The Role of the Interface in Thin Film and Droplet Accelerated Reactions Studied by Competitive Substituent Effects. <i>Angewandte Chemie</i> , 2016 , 128, 3494-3498	3.6	19
22	Two New Devices for Identifying Electrochemical Reaction Intermediates with Desorption Electro spray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2017 , 89, 3191-3198	7.8	17
21	Selective Synthesis in Microdroplets of 2-Phenyl-2,3-dihydrophthalazine-1,4-dione from Phenyl Hydrazine with Phthalic Anhydride or Phthalic Acid. <i>Chemistry - A European Journal</i> , 2019 , 25, 1466-1471	4.8	15
20	Optical imaging of tumors with copper-labeled rhodamine derivatives by targeting mitochondria. <i>Theranostics</i> , 2012 , 2, 988-98	12.1	14
19	Accelerating Electrochemical Reactions in a Voltage-Controlled Interfacial Microreactor. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 19862-19867	16.4	14
18	Cell-Type-Specific Metabolic Profiling Achieved by Combining Desorption Electro spray Ionization Mass Spectrometry Imaging and Immunofluorescence Staining. <i>Analytical Chemistry</i> , 2020 , 92, 13281-13289	7.8	11
17	Online Inductive Electro spray Ionization Mass Spectrometry as a Process Analytical Technology Tool To Monitor the Synthetic Route to Anagliptin. <i>Organic Process Research and Development</i> , 2016 , 20, 940-947	3.9	11
16	Functionalization of saturated hydrocarbons using nitrogen ion insertion reactions in mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2017 , 418, 79-85	1.9	10
15	On-line chiral analysis using the kinetic method. <i>Analyst, The</i> , 2016 , 141, 2441-6	5	10
14	Ambient Ionization Mass Spectrometry Measurement of Aminotransferase Activity. <i>Journal of the American Society for Mass Spectrometry</i> , 2017 , 28, 1175-1181	3.5	9
13	On-Demand Electrochemical Epoxidation in Nano-Electro spray Ionization Mass Spectrometry to Locate Carbon-Carbon Double Bonds. <i>Angewandte Chemie</i> , 2020 , 132, 215-220	3.6	8
12	Early detection of unilateral ureteral obstruction by desorption electro spray ionization mass spectrometry. <i>Scientific Reports</i> , 2019 , 9, 11007	4.9	7
11	Reversing Hypoxia with PLGA-Encapsulated Manganese Dioxide Nanoparticles Improves Natural Killer Cell Response to Tumor Spheroids. <i>Molecular Pharmaceutics</i> , 2021 , 18, 2935-2946	5.6	7
10	Mass spectrometry distinguishing C=C location and cis/trans isomers: A strategy initiated by water radical cations. <i>Analytica Chimica Acta</i> , 2020 , 1139, 146-154	6.6	5
9	Accelerated five-component spiro-pyrrolidine construction at the air-liquid interface. <i>Chemical Communications</i> , 2021 , 57, 3757-3760	5.8	5
8	Emerging microdroplet chemistry for synthesis and analysis. <i>International Journal of Mass Spectrometry</i> , 2021 , 468, 116639	1.9	5

- 7 Incorporating Electro-Epoxidation into Electrospray Ionization Mass Spectrometry for Simultaneous Analysis of Negatively and Positively Charged Unsaturated Glycerophospholipids. *Journal of the American Society for Mass Spectrometry*, **2021**, 32, 2288-2295 3.5 4
- 6 Accelerating Electrochemical Reactions in a Voltage-Controlled Interfacial Microreactor. *Angewandte Chemie*, **2020**, 132, 20034-20039 3.6 4
- 5 Recent Advances of In-Source Electrochemical Mass Spectrometry. *ChemPlusChem*, **2021**, 86, 434-445 2.8 4
- 4 Chemoselective N-Alkylation of Indoles in Aqueous Microdroplets. *Angewandte Chemie*, **2020**, 132, 3093-3096 3 3
- 3 Unexpected Rearrangement in the Reaction of 7-Mercapto-4-methylcoumarin with 1-Mono- and 1,1-Dimethyl Propargyl Alcohols. *Synthetic Communications*, **2007**, 37, 3801-3808 1.7 2
- 2 N-tert-Butyl-5 β -androstane-17 β -carboxamide. *Acta Crystallographica Section E: Structure Reports Online*, **2009**, 65, o587 2
- 1 Methyl 3-(methoxy-carbonyloxy-4,4-dimethyl-17-oxo-16 β -(3-oxobut-yl)-16 β -carboxylate. *Acta Crystallographica Section E: Structure Reports Online*, **2009**, 65, o1283