Xin Yan

List of Publications by Year in descending order

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44	2,020	279701	243529
papers	citations	23 h-index	44 g-index

51	51	51	1282
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Organic Reactions in Microdroplets: Reaction Acceleration Revealed by Mass Spectrometry. Angewandte Chemie - International Edition, 2016, 55, 12960-12972.	7.2	329
2	Accelerated Reaction Kinetics in Microdroplets: Overview and Recent Developments. Annual Review of Physical Chemistry, 2020, 71, 31-51.	4.8	261
3	Can all bulk-phase reactions be accelerated in microdroplets?. Analyst, The, 2017, 142, 1399-1402.	1.7	133
4	The Role of the Interface in Thin Film and Droplet Accelerated Reactions Studied by Competitive Substituent Effects. Angewandte Chemie - International Edition, 2016, 55, 3433-3437.	7.2	91
5	Onâ€Demand Electrochemical Epoxidation in Nanoâ€Electrospray Ionization Mass Spectrometry to Locate Carbonâ€“Carbon Double Bonds. Angewandte Chemie - International Edition, 2020, 59, 209-214.	7.2	89
6	Onâ€Line Reaction Monitoring and Mechanistic Studies by Mass Spectrometry: Negishi Crossâ€Coupling, Hydrogenolysis, and Reductive Amination. Angewandte Chemie - International Edition, 2014, 53, 5931-5935.	7.2	87
7	Chemical Reactivity Assessment Using Reactive Paper Spray Ionization Mass Spectrometry: The Katritzky Reaction. ChemPlusChem, 2013, 78, 1142-1148.	1.3	84
8	Twoâ€Phase Reactions in Microdroplets without the Use of Phaseâ€Transfer Catalysts. Angewandte Chemie - International Edition, 2017, 56, 3562-3565.	7.2	82
9	Fluorescence Polarization Anisotropy in Microdroplets. Journal of Physical Chemistry Letters, 2018, 9, 2928-2932.	2.1	72
10	Beyond the flask: Reactions on the fly in ambient mass spectrometry. TrAC - Trends in Analytical Chemistry, 2014, 57, 135-146.	5.8	67
11	Preparative microdroplet synthesis of carboxylic acids from aerobic oxidation of aldehydes. Chemical Science, 2018, 9, 5207-5211.	3.7	55
12	Chemoselective Nâ€Alkylation of Indoles in Aqueous Microdroplets. Angewandte Chemie - International Edition, 2020, 59, 3069-3072.	7.2	50
13	Mass Spectrometry for Synthesis and Analysis. Annual Review of Analytical Chemistry, 2018, 11, 1-28.	2.8	43
14	Mass Spectrometry in Organic Synthesis: Claisenâ€“Schmidt Base-Catalyzed Condensation and Hammett Correlation of Substituent Effects. Journal of Chemical Education, 2014, 91, 1985-1989.	1.1	41
15	Accelerating Electrochemical Reactions in a Voltageâ€Controlled Interfacial Microreactor. Angewandte Chemie - International Edition, 2020, 59, 19862-19867.	7.2	34
16	Organische Reaktionen in MikrotrÃ¶pfchen: Analyse von Reaktionsbeschleunigungen durch Massenspektrometrie. Angewandte Chemie, 2016, 128, 13152-13166.	1.6	32
17	Cyanineâ€“Gemcitabine Conjugates as Targeted Theranostic Agents for Glioblastoma Tumor Cells. Journal of Medicinal Chemistry, 2019, 62, 9236-9245.	2.9	31
18	Cell-Type-Specific Metabolic Profiling Achieved by Combining Desorption Electrospray Ionization Mass Spectrometry Imaging and Immunofluorescence Staining. Analytical Chemistry, 2020, 92, 13281-13289.	3.2	31

#	Article	IF	Citations
19	Reversing Hypoxia with PLGA-Encapsulated Manganese Dioxide Nanoparticles Improves Natural Killer Cell Response to Tumor Spheroids. Molecular Pharmaceutics, 2021, 18, 2935-2946.	2.3	31
20	Chemoselective Nâ€Alkylation of Indoles in Aqueous Microdroplets. Angewandte Chemie, 2020, 132, 3093-3096.	1.6	28
21	Emerging microdroplet chemistry for synthesis and analysis. International Journal of Mass Spectrometry, 2021, 468, 116639.	0.7	26
22	Selective Synthesis in Microdroplets of 2â€Phenylâ€2,3â€dihydrophthalazineâ€1,4â€dione from Phenyl Hydrazine with Phthalic Anhydride or Phthalic Acid. Chemistry - A European Journal, 2019, 25, 1466-1471.	1.7	25
23	Twoâ€Phase Reactions in Microdroplets without the Use of Phaseâ€Transfer Catalysts. Angewandte Chemie, 2017, 129, 3616-3619.	1.6	24
24	⁶⁴Cu-Labeled Lissamine Rhodamine B: A Promising PET Radiotracer Targeting Tumor Mitochondria. Molecular Pharmaceutics, 2011, 8, 1198-1208.	2.3	23
25	Two New Devices for Identifying Electrochemical Reaction Intermediates with Desorption Electrospray Ionization Mass Spectrometry. Analytical Chemistry, 2017, 89, 3191-3198.	3.2	21
26	The Role of the Interface in Thin Film and Droplet Accelerated Reactions Studied by Competitive Substituent Effects. Angewandte Chemie, 2016, 128, 3494-3498.	1.6	20
27	Ambient Ionization Mass Spectrometry Measurement of Aminotransferase Activity. Journal of the American Society for Mass Spectrometry, 2017, 28, 1175-1181.	1.2	16
28	Mass spectrometry distinguishing C=C location and cis/trans isomers: A strategy initiated by water radical cations. Analytica Chimica Acta, 2020, 1139, 146-154.	2.6	16
29	Optical Imaging of Tumors with Copper-Labeled Rhodamine Derivatives by Targeting Mitochondria. Theranostics, 2012, 2, 988-998.	4.6	15
30	Recent Advances of Inâ€Source Electrochemical Mass Spectrometry. ChemPlusChem, 2021, 86, 434-445.	1.3	15
31	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.	1.2	14
32	On-line chiral analysis using the kinetic method. Analyst, The, 2016, 141, 2441-2446.	1.7	13
33	Onâ€Demand Electrochemical Epoxidation in Nanoâ€Electrospray Ionization Mass Spectrometry to Locate Carbonâ€“Carbon Double Bonds. Angewandte Chemie, 2020, 132, 215-220.	1.6	13
34	Picomole-Scale Transition Metal Electrocatalysis Screening Platform for Discovery of Mild Câ€“C Coupling and Câ€“H Arylation through in Situ Anodically Generated Cationic Pd. Journal of the American Chemical Society, 2022, 144, 1306-1312.	6.6	13
35	Online Inductive Electrospray Ionization Mass Spectrometry as a Process Analytical Technology Tool To Monitor the Synthetic Route to Anagliptin. Organic Process Research and Development, 2016, 20, 940-947.	1.3	12
36	Early detection of unilateral ureteral obstruction by desorption electrospray ionization mass spectrometry. Scientific Reports, 2019, 9, 11007.	1.6	12

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37	Accelerated five-component spiro-pyrrolidine construction at the airâ€“liquid interface. Chemical Communications, 2021, 57, 3757-3760.	2.2	12
38	Functionalization of saturated hydrocarbons using nitrogen ion insertion reactions in mass spectrometry. International Journal of Mass Spectrometry, 2017, 418, 79-85.	0.7	11
39	Characterization of lipid carbonâ€“carbon double-bond isomerism via ion mobility-mass spectrometry (IMS-MS) combined with cuprous ion-induced fragmentation. International Journal of Mass Spectrometry, 2022, 479, 116889.	0.7	6
40	Accelerating Electrochemical Reactions in a Voltageâ€Controlled Interfacial Microreactor. Angewandte Chemie, 2020, 132, 20034-20039.	1.6	5
41	Cupric Ions Selectively Modulate TRAAKâ€“Phosphatidylserine Interactions. Journal of the American Chemical Society, 2022, 144, 7048-7053.	6.6	4
42	Unexpected Rearrangement in the Reaction of 7â€Mercaptoâ€4â€methylcoumarin with 1â€Monoâ€and 1,1â€Dimethyl Propargyl Alcohols. Synthetic Communications, 2007, 37, 3801-3808.	1.1	3
43	N-tert-Butyl-5Î±-androstane-17Î²-carboxamide. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o587-o587.	0.2	2
44	Methyl 3Î²-methoxycarbonyloxy-4,4-dimethyl-17-oxo-16Î±-(3-oxobutyl)-16Î²-carboxylate. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o1283-o1283.	0.2	0