

Ryan M Bain

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.

26

papers

899

citations

15

h-index

27

g-index

27

ext. papers

1,042

ext. citations

5

avg, IF

4.72

L-index

#	Paper	IF	Citations
26	Organic Reactions in Microdroplets: Reaction Acceleration Revealed by Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 12960-12972	16.4	204
25	Accelerated Hantzsch electro spray synthesis with temporal control of reaction intermediates. <i>Chemical Science</i> , 2015 , 6, 397-401	9.4	146
24	Accelerated Chemical Reactions and Organic Synthesis in Leidenfrost Droplets. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 10478-82	16.4	79
23	Mass spectrometry in the home and garden. <i>Journal of the American Society for Mass Spectrometry</i> , 2015 , 26, 224-30	3.5	56
22	"On-Droplet" Chemistry: The Cycloaddition of Diethyl Azodicarboxylate and Quadricyclane. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 15083-15087	16.4	47
21	Chemical Synthesis Accelerated by Paper Spray: The Haloform Reaction. <i>Journal of Chemical Education</i> , 2016 , 93, 340-344	2.4	40
20	Accelerated hydrazone formation in charged microdroplets. <i>Rapid Communications in Mass Spectrometry</i> , 2016 , 30, 1875-8	2.2	35
19	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
18	A Low-Cost, Simplified Platform of Interchangeable, Ambient Ionization Sources for Rapid, Forensic Evidence Screening on Portable Mass Spectrometric Instrumentation. <i>Instruments</i> , 2018 , 2, 5	1.2	28
17	Swab touch spray mass spectrometry for rapid analysis of organic gunshot residue from human hand and various surfaces using commercial and fieldable mass spectrometry systems. <i>Forensic Chemistry</i> , 2017 , 5, 53-57	2.8	28
16	Microdroplets Accelerate Ring Opening of Epoxides. <i>Journal of the American Society for Mass Spectrometry</i> , 2018 , 29, 1036-1043	3.5	24
15	Organische Reaktionen in Mikrotröpfchen: Analyse von Reaktionsbeschleunigungen durch Massenspektrometrie. <i>Angewandte Chemie</i> , 2016 , 128, 13152-13166	3.6	23
14	Analysis of Residual Explosives by Swab Touch Spray Ionization Mass Spectrometry. <i>Propellants, Explosives, Pyrotechnics</i> , 2018 , 43, 1139-1144	1.7	18
13	Fischer Indole Synthesis in the Gas Phase, the Solution Phase, and at the Electro spray Droplet Interface. <i>Journal of the American Society for Mass Spectrometry</i> , 2017 , 28, 1359-1364	3.5	17
12	Simultaneous Online Monitoring of Multiple Reactions Using a Miniature Mass Spectrometer. <i>Analytical Chemistry</i> , 2017 , 89, 6969-6975	7.8	15
11	Identification of diagnostic metabolic signatures in clear cell renal cell carcinoma using mass spectrometry imaging. <i>International Journal of Cancer</i> , 2020 , 147, 256-265	7.5	14
10	Accelerated Chemical Reactions and Organic Synthesis in Leidenfrost Droplets. <i>Angewandte Chemie</i> , 2016 , 128, 10634-10638	3.6	13

9	Mechanistic Analysis of the C-H Amination Reaction of Menthol by CuBr and Selectfluor. <i>Journal of Organic Chemistry</i> , 2018 , 83, 5681-5687	4.2	12
8	Online Inductive Electrospray 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
7	State-of-the-art mass spectrometry for point-of-care and other applications: A hands-on intensive short course for undergraduate students. <i>International Journal of Mass Spectrometry</i> , 2017 , 417, 22-28	1.9	10
6	On-line chiral analysis using the kinetic method. <i>Analyst, The</i> , 2016 , 141, 2441-6	5	10
5	Microdroplet Chemistry: The Cycloaddition of Diethyl Azodicarboxylate and Quadricyclane. <i>Angewandte Chemie</i> , 2017 , 129, 15279-15283	3.6	9
4	On-Line Synthesis and Analysis by Mass Spectrometry. <i>Journal of Chemical Education</i> , 2015 , 92, 2146-2151	1.4	9
3	Accelerated tert-butyloxycarbonyl deprotection of amines in microdroplets produced by a pneumatic spray. <i>International Journal of Mass Spectrometry</i> , 2018 , 430, 98-103	1.9	8
2	Chiral Analysis by Tandem Mass Spectrometry Using the Kinetic Method, by Polarimetry, and by ¹ H NMR Spectroscopy. <i>Journal of Chemical Education</i> , 2017 , 94, 1329-1333	2.4	5
1	Microdroplet Fusion Chemistry for Charge State Reduction of Synthetic Polymers via Bipolar Dual Spray with Anionic Reagents. <i>Journal of the American Society for Mass Spectrometry</i> , 2019 , 30, 1742-1749	3.5	2