

Richard M Maceiczky

List of Publications by Year in descending order

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15
papers

1,356
citations

623734

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996975

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docs citations

16
times ranked

2180
citing authors

#	ARTICLE	IF	CITATIONS
1	Small but Perfectly Formed? Successes, Challenges, and Opportunities for Microfluidics in the Chemical and Biological Sciences. <i>CheM</i> , 2017, 2, 201-223.	11.7	278
2	Exploration of Near-Infrared-Emissive Colloidal Multinary Lead Halide Perovskite Nanocrystals Using an Automated Microfluidic Platform. <i>ACS Nano</i> , 2018, 12, 5504-5517.	14.6	138
3	Nanocrystal synthesis in microfluidic reactors: where next?. <i>Lab on A Chip</i> , 2014, 14, 3172.	6.0	137
4	β -Selective C-H Arylation of Pyrroles Leading to Concise Syntheses of Lamellarins C and I. <i>Journal of the American Chemical Society</i> , 2014, 136, 13226-13232.	13.7	133
5	Unveiling the Shape Evolution and Halide-Ion-Segregation in Blue-Emitting Formamidinium Lead Halide Perovskite Nanocrystals Using an Automated Microfluidic Platform. <i>Nano Letters</i> , 2018, 18, 1246-1252.	9.1	106
6	Microfluidic Technology: Uncovering the Mechanisms of Nanocrystal Nucleation and Growth. <i>Accounts of Chemical Research</i> , 2017, 50, 1248-1257.	15.6	103
7	Microfluidic Reactors Provide Preparative and Mechanistic Insights into the Synthesis of Formamidinium Lead Halide Perovskite Nanocrystals. <i>Chemistry of Materials</i> , 2017, 29, 8433-8439.	6.7	81
8	Droplet-Based Microfluidics: Enabling Impact on Drug Discovery. <i>Journal of Biomolecular Screening</i> , 2014, 19, 483-496.	2.6	79
9	Pick a Color MARIA: Adaptive Sampling Enables the Rapid Identification of Complex Perovskite Nanocrystal Compositions with Defined Emission Characteristics. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 18869-18878.	8.0	78
10	Fast and Reliable Metamodeling of Complex Reaction Spaces Using Universal Kriging. <i>Journal of Physical Chemistry C</i> , 2014, 118, 20026-20033.	3.1	45
11	Online detection and automation methods in microfluidic nanomaterial synthesis. <i>Current Opinion in Chemical Engineering</i> , 2015, 8, 29-35.	7.8	44
12	Differential detection photothermal spectroscopy: towards ultra-fast and sensitive label-free detection in picoliter & femtoliter droplets. <i>Lab on A Chip</i> , 2017, 17, 3654-3663.	6.0	44
13	Tracking the Fluorescence Lifetimes of Cesium Lead Halide Perovskite Nanocrystals During Their Synthesis Using a Fully Automated Optofluidic Platform. <i>Chemistry of Materials</i> , 2020, 32, 27-37.	6.7	41
14	Kinetics of nanocrystal synthesis in a microfluidic reactor: theory and experiment. <i>Reaction Chemistry and Engineering</i> , 2016, 1, 261-271.	3.7	39
15	A Photothermal Spectrometer for Fast and Background-Free Detection of Individual Nanoparticles in Flow. <i>Analytical Chemistry</i> , 2017, 89, 1994-1999.	6.5	10