

Fazel Bateni

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Self-Driven Multistep Quantum Dot Synthesis Enabled by Autonomous Robotic Experimentation in Flow. <i>Advanced Intelligent Systems</i> , 2021, 3, 2000245.	6.1	58
2	Flow Synthesis of Metal Halide Perovskite Quantum Dots: From Rapid Parameter Space Mapping to AI-Guided Modular Manufacturing. <i>Matter</i> , 2020, 3, 1053-1086.	10.0	45
3	Microfluidic Synthesis of Semiconductor Materials: Toward Accelerated Materials Development in Flow. <i>Particle and Particle Systems Characterization</i> , 2020, 37, 2000256.	2.3	31
4	CsPbI ₃ Nanocrystals Go with the Flow: From Formation Mechanism to Continuous Nanomanufacturing. <i>Advanced Functional Materials</i> , 2022, 32, 2108687.	14.9	21
5	Low-Cost Nanostructured Electrocatalysts for Hydrogen Evolution in an Anion Exchange Membrane Lignin Electrolysis Cell. <i>Journal of the Electrochemical Society</i> , 2019, 166, F1037-F1046.	2.9	20
6	Ultrafast cation doping of perovskite quantum dots in flow. <i>Matter</i> , 2021, 4, 2429-2447.	10.0	20
7	Simultaneous Hydrogen Evolution and Lignin Depolymerization using NiSn Electrocatalysts in a Biomass-Depolarized Electrolyzer. <i>Journal of the Electrochemical Society</i> , 2020, 167, 043502.	2.9	16
8	Electrochemical oxidative valorization of lignin by the nanostructured PbO ₂ /MWNTs electrocatalyst in a low-energy depolymerization process. <i>Journal of Applied Electrochemistry</i> , 2021, 51, 65-78.	2.9	16
9	Autonomous Nanocrystal Doping by Self-Driving Fluidic Micro-Processors. <i>Advanced Intelligent Systems</i> , 2022, 4, .	6.1	16
10	Biomass-Depolarized Electrolysis. <i>Journal of the Electrochemical Society</i> , 2019, 166, E317-E322.	2.9	15
11	Effects of Oil Extraction on Ethanol and Biogas Production from <i>Eruca sativa</i> Seed Cake. <i>Waste and Biomass Valorization</i> , 2017, 8, 1897-1905.	3.4	14
12	Biorefinery of Safflower Seeds in a Sequential Process for Effective Use of the Substrate for Biofuel Production. <i>Waste and Biomass Valorization</i> , 2018, 9, 2145-2155.	3.4	12
13	Autonomous Nanocrystal Doping by Self-Driving Fluidic Micro-Processors. <i>Advanced Intelligent Systems</i> , 2022, 4, .	6.1	5
14	Self-Driven Multistep Quantum Dot Synthesis Enabled by Autonomous Robotic Experimentation in Flow. <i>Advanced Intelligent Systems</i> , 2021, 3, 2170022.	6.1	0
15	CsPbI ₃ Nanocrystals Go with the Flow: From Formation Mechanism to Continuous Nanomanufacturing (<i>Adv. Funct. Mater.</i> 6/2022). <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	0