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List of Publications by Year in descending order

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18
papers

468
citations

933447

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all docs

22
docs citations

22
times ranked

834
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of silver nanoparticles using Piper longum leaf extracts and its cytotoxic activity against Hep-2 cell line. Colloids and Surfaces B: Biointerfaces, 2012, 91, 212-214.	5.0	260
2	Experimental and computational investigation of heat transfer in a microwave-assisted flow system. Chemical Engineering and Processing: Process Intensification, 2019, 142, 107537.	3.6	35
3	Highly reproducible, high-yield flow synthesis of gold nanoparticles based on a rational reactor design exploiting the reduction of passivated Au(Au^{III}). Reaction Chemistry and Engineering, 2020, 5, 663-676.	3.7	33
4	Recent advances in acoustic diagnostics for electrochemical power systems. JPhys Energy, 2021, 3, 032011.	5.3	20
5	<i>In Situ</i> Ultrasound Acoustic Measurement of the Lithium-Ion Battery Electrode Drying Process. ACS Applied Materials & Interfaces, 2021, 13, 36605-36620.	8.0	18
6	Quantification of the oxygen uptake rate in a dissolved oxygen controlled oscillating jet-driven microbio reactor. Journal of Chemical Technology and Biotechnology, 2016, 91, 823-831.	3.2	17
7	Continuous citrate-capped gold nanoparticle synthesis in a two-phase flow reactor. Journal of Flow Chemistry, 2021, 11, 553-567.	1.9	15
8	Flocculation on a chip: a novel screening approach to determine floc growth rates and select flocculating agents. Lab on A Chip, 2018, 18, 585-594.	6.0	12
9	Catalytic Teflon AF-2400 membrane reactor with adsorbed ex situ synthesized Pd-based nanoparticles for nitrobenzene hydrogenation. Catalysis Today, 2021, 362, 104-112.	4.4	12
10	Particle Size Evolution during the Synthesis of Gold Nanoparticles Using <i>In Situ</i> Time-Resolved UV-Vis Spectroscopy: An Experimental and Theoretical Study Unravelling the Effect of Adsorbed Gold Precursor Species. Journal of Physical Chemistry C, 2020, 124, 27662-27672.	3.1	11
11	Temperature-induced liquid crystal microdroplet formation in a partially miscible liquid mixture. Soft Matter, 2021, 17, 947-954.	2.7	9
12	Study of Liquid-Solid Mass Transfer and Hydrodynamics in Micropacked Bed with Gas-Liquid Flow. Industrial & Engineering Chemistry Research, 2021, 60, 10489-10501.	3.7	9
13	Hydrodynamic Characterization of Phase Separation in Devices with Microfabricated Capillaries. Langmuir, 2019, 35, 8199-8209.	3.5	5
14	Occurrence of hepatitis B virus genotype B and B+C mixed infections in Chennai, South India. Brazilian Journal of Infectious Diseases, 2013, 17, 615-616.	0.6	4
15	Motion-enhancement assisted digital image correlation of lithium-ion batteries during lithiation. Journal of Power Sources, 2022, 527, 231150.	7.8	4
16	Effective Ultrasound Acoustic Measurement to Monitor the Lithium-Ion Battery Electrode Drying Process with Various Coating Thicknesses. ACS Applied Materials & Interfaces, 2022, 14, 2092-2101.	8.0	4
17	Chapter 2. Microfluidics Theory in Practice. RSC Detection Science, 2014, , 29-60.	0.0	0
18	Nonlinear Dynamics of Gas-Liquid Separation in a Capillary Microseparator. , 2018, , .		0