

Reza Abbasi

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

726
citations

1039880

9
h-index

887953

17
g-index

17
all docs

17
docs citations

17
times ranked

1079
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical and biological sensing using liquid crystals. <i>Liquid Crystals Reviews</i> , 2013, 1, 29-51.	1.1	294
2	A Roadmap to Low-Cost Hydrogen with Hydroxide Exchange Membrane Electrolyzers. <i>Advanced Materials</i> , 2019, 31, e1805876.	11.1	184
3	Prediction of Henry's Law Constant of Organic Compounds in Water from a New Group-Contribution-Based Model. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 10149-10152.	1.8	47
4	Low-temperature direct ammonia fuel cells: Recent developments and remaining challenges. <i>Current Opinion in Electrochemistry</i> , 2020, 21, 335-344.	2.5	47
5	Methane oxidation over Pt, Pt/Pd, and Pd based catalysts: Effects of pre-treatment. <i>Canadian Journal of Chemical Engineering</i> , 2015, 93, 1474-1482.	0.9	30
6	A New Neural Network Group Contribution Method for Estimation of Upper Flash Point of Pure Chemicals. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 12685-12695.	1.8	28
7	A High-Performance Gas-Fed Direct Ammonia Hydroxide Exchange Membrane Fuel Cell. <i>ACS Energy Letters</i> , 2021, 6, 1996-2002.	8.8	22
8	A Direct Ammonia Fuel Cell with a KOH-Free Anode Feed Generating 180 mW cm ² at 120 °C. <i>Journal of the Electrochemical Society</i> , 2020, 167, 134518.	1.3	19
9	Oxygen Evolution on Iron Oxide Nanoparticles: The Impact of Crystallinity and Size on the Overpotential. <i>Journal of the Electrochemical Society</i> , 2021, 168, 034518.	1.3	15
10	Polymeric Films Containing Sodium Chlorite That Release Disinfectant Gas upon Activation with UV Light. <i>Advanced Functional Materials</i> , 2019, 29, 1804851.	7.8	11
11	Liquid Crystals Anchored on Mixed Monolayers of Chiral versus Achiral Molecules: Continuous Change in Orientation as a Function of Enantiomeric Excess. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8079-8083.	7.2	7
12	Generation of Gaseous ClO ₂ from Thin Films of Solid NaClO ₂ by Sequential Exposure to Ultraviolet Light and Moisture. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 16594-16603.	4.0	7
13	A high-performance 75W direct ammonia fuel cell stack. <i>Cell Reports Physical Science</i> , 2022, 3, 100829.	2.8	6
14	Effect of Ammonia on the Electrocatalysis of Oxygen Reduction Reaction in Base. <i>Journal of the Electrochemical Society</i> , 2020, 167, 164510.	1.3	4
15	Mathematical Modeling of Gas Oil HDS and Optimization of Operational Conditions in Trickle Bed Reactor by Genetic Algorithm. <i>International Journal of Chemical Reactor Engineering</i> , 2009, 7, .	0.6	2
16	Phosphorylation status of peptide monolayers modulates hydrogen bonding and orientations of nematic liquid crystals. <i>Liquid Crystals</i> , 2018, 45, 2253-2268.	0.9	2