

Saad Intikhab

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

896
citations

567281

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h-index

794594

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all docs

19
docs citations

19
times ranked

1096
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoporous multimetallic Ir alloys as efficient and stable electrocatalysts for acidic oxygen evolution reactions. <i>Journal of Catalysis</i> , 2021, 393, 303-312.	6.2	17
2	Electrocatalytic oxygen evolution reaction (OER) on mixed nanoporous RuIr borides. <i>Journal of Applied Electrochemistry</i> , 2021, 51, 1101-1108.	2.9	3
3	On the relationship between potential of zero charge and solvent dynamics in the reversible hydrogen electrode. <i>Journal of Catalysis</i> , 2021, 398, 161-170.	6.2	7
4	Nanoporous Iridium Nanosheets for Polymer Electrolyte Membrane Electrolysis. <i>Advanced Energy Materials</i> , 2021, 11, 2101438.	19.5	40
5	Nanoporous metals from thermal decomposition of transition metal dichalcogenides. <i>Acta Materialia</i> , 2020, 184, 79-85.	7.9	17
6	“Beyond Adsorption” Descriptors in Hydrogen Electrocatalysis. <i>ACS Catalysis</i> , 2020, 10, 14747-14762.	11.2	95
7	Caffeinated Interfaces Enhance Alkaline Hydrogen Electrocatalysis. <i>ACS Catalysis</i> , 2020, 10, 6798-6802.	11.2	20
8	Ionic Liquid Additives for the Mitigation of Nafion Specific Adsorption on Platinum. <i>ACS Catalysis</i> , 2020, 10, 7691-7698.	11.2	48
9	Kinetic Isotope Effects Quantify pH-Sensitive Water Dynamics at the Pt Electrode Interface. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2308-2313.	4.6	43
10	Exploiting dynamic water structure and structural sensitivity for nanoscale electrocatalyst design. <i>Nano Energy</i> , 2019, 64, 103963.	16.0	30
11	Sequential Capacitive Deposition of Ionic Liquids for Conformal Thin Film Coatings on Oxygen Reduction Reaction Electrocatalysts. <i>ACS Catalysis</i> , 2019, 9, 9311-9316.	11.2	42
12	Stoichiometry and surface structure dependence of hydrogen evolution reaction activity and stability of MoxC MXenes. <i>Journal of Catalysis</i> , 2019, 371, 325-332.	6.2	51
13	Computer aided chemical product design “ ProCAPD and tailor-made blended products. <i>Computers and Chemical Engineering</i> , 2018, 116, 37-55.	3.8	46
14	W-Based Atomic Laminates and Their 2D Derivative W _{1.33} C MXene with Vacancy Ordering. <i>Advanced Materials</i> , 2018, 30, e1706409.	21.0	240
15	Integration of computational modeling and experimental techniques to design fuel surrogates. <i>Journal of Natural Gas Science and Engineering</i> , 2018, 55, 585-594.	4.4	9
16	Determining the Viability of Hydroxide-Mediated Bifunctional HER/HOR Mechanisms through Single-Crystal Voltammetry and Microkinetic Modeling. <i>Journal of the Electrochemical Society</i> , 2018, 165, J3209-J3221.	2.9	55
17	Tuning the activity/stability balance of anion doped CoS Se ²⁺ dichalcogenides. <i>Journal of Catalysis</i> , 2018, 366, 50-60.	6.2	17
18	Adsorbed Hydroxide Does Not Participate in the Volmer Step of Alkaline Hydrogen Electrocatalysis. <i>ACS Catalysis</i> , 2017, 7, 8314-8319.	11.2	92

#	ARTICLE	IF	CITATIONS
19	Designing a Surrogate Fuel for Gas-to-Liquid Derived Diesel. Energy & Fuels, 2017, 31, 11266-11279.	5.1	24