

Tathagata Kar

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

569
citations

933447

10
h-index

1281871

11
g-index

11
all docs

11
docs citations

11
times ranked

891
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical Impedance Spectroscopy of Oxygen Reduction Reaction (ORR) in a Rotating Disk Electrode Configuration: Effect of Ionomer Content and Carbon-Support. <i>Journal of the Electrochemical Society</i> , 2015, 162, F489-F498.	2.9	144
2	Density of States, Carrier Concentration, and Flat Band Potential Derived from Electrochemical Impedance Measurements of N-Doped Carbon and Their Influence on Electrocatalysis of Oxygen Reduction Reaction. <i>Journal of Physical Chemistry C</i> , 2017, 121, 20850-20856.	3.1	111
3	Oxygen Reduction Reaction and Peroxide Generation on Shape-Controlled and Polycrystalline Platinum Nanoparticles in Acidic and Alkaline Electrolytes. <i>Langmuir</i> , 2014, 30, 8995-9006.	3.5	89
4	Influence of nitrogen-doping in carbon on equivalent distributed resistance and capacitance $\hat{\omega}$ Implications to electrocatalysis of oxygen reduction reaction. <i>Journal of Electroanalytical Chemistry</i> , 2017, 805, 184-192.	3.8	59
5	Mg $\hat{\omega}$ C Interaction Induced Hydrogen Uptake and Enhanced Hydrogen Release Kinetics in MgH ₂ -rGO Nanocomposites. <i>Journal of Physical Chemistry C</i> , 2018, 122, 22389-22396.	3.1	40
6	Reconstruction and dissolution of shape-controlled Pt nanoparticles in acidic electrolytes. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 11220-11232.	2.8	34
7	Reduction of graphene oxide $\hat{\omega}$ a comprehensive electrochemical investigation in alkaline and acidic electrolytes. <i>RSC Advances</i> , 2014, 4, 57781-57790.	3.6	29
8	Investigation on the reduction of the oxides of Pd and graphite in alkaline medium and the simultaneous evolution of oxygen reduction reaction and peroxide generation features. <i>Electrochimica Acta</i> , 2016, 191, 81-89.	5.2	25
9	Layered materials and their heterojunctions for supercapacitor applications: a review. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2022, 47, 357-388.	12.3	20
10	Recovery of Active Surface Sites of Shape-Controlled Platinum Nanoparticles Contaminated with Halide Ions and Its Effect on Surface-Structure. <i>Journal of the Electrochemical Society</i> , 2017, 164, H551-H560.	2.9	15
11	Functionalization of Graphene $\hat{\omega}$ A Critical Overview of its Improved Physical, Chemical and Electrochemical Properties. <i>Carbon Nanostructures</i> , 2019, , 139-173.	0.1	3