

Senthil Kumar S M

List of Publications by Year in descending order

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papers

584
citations

758635

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docs citations

25
times ranked

761
citing authors

#	ARTICLE	IF	CITATIONS
1	Physiochemical Investigation of Shape-Designed MnO ₂ Nanostructures and Their Influence on Oxygen Reduction Reaction Activity in Alkaline Solution. Journal of Physical Chemistry C, 2015, 119, 6604-6618.	1.5	106
2	Facet- and structure-dependent catalytic activity of cuprous oxide/polypyrrole particles towards the efficient reduction of carbon dioxide to methanol. Nanoscale, 2018, 10, 11869-11880.	2.8	60
3	Template-Driven Phase Selective Formation of Metallic 1T-MoS ₂ Nanoflowers for Hydrogen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 2019, 7, 2008-2017.	3.2	45
4	Hierarchical porous carbon derived from waste amla for the simultaneous electrochemical sensing of multiple biomolecules. Colloids and Surfaces B: Biointerfaces, 2019, 177, 529-540.	2.5	42
5	2D and 3D Silica-Template-Derived MnO ₂ Electrocatalysts towards Enhanced Oxygen Evolution and Oxygen Reduction Activity. ChemElectroChem, 2018, 5, 3980-3990.	1.7	35
6	N-Doped Hollow Mesoporous Carbon Nanospheres for Oxygen Reduction Reaction in Alkaline Media. ACS Applied Nano Materials, 2020, 3, 8875-8887.	2.4	33
7	Dual heteroatoms doped SBA-15 templated porous carbon for symmetric supercapacitor in dual redox additive electrolyte. Journal of Colloid and Interface Science, 2022, 606, 286-297.	5.0	25
8	Embedding oxygen vacancies at SnO ₂ -CNT surfaces via a microwave polyol strategy towards effective electrocatalytic reduction of carbon-dioxide to formate. Catalysis Science and Technology, 2020, 10, 1311-1322.	2.1	24
9	CuCo ₂ O ₄ nanobricks as electrode for enhanced electrochemical determination of hydroxylamine. Ionics, 2019, 25, 5023-5034.	1.2	23
10	Fine-tuning interlayer spacing in MoS ₂ for enriching 1T phase via alkylated ammonium ions for electrocatalytic hydrogen evolution reaction. International Journal of Hydrogen Energy, 2021, 46, 8377-8390.	3.8	21
11	Dual Heteroatom-Doped Carbon Monoliths Derived from Catalyst-free Preparation of Porous Polysocyanurate for Oxygen Reduction Reaction. ACS Sustainable Chemistry and Engineering, 2018, 6, 9094-9103.	3.2	19
12	N and P dual heteroatom doped mesoporous hollow carbon as an efficient oxygen reduction reaction catalyst in alkaline electrolyte. International Journal of Hydrogen Energy, 2022, 47, 17992-18006.	3.8	18
13	Hard template derived N, S dual heteroatom doped ordered mesoporous carbon as an efficient electrocatalyst for oxygen reduction reaction. International Journal of Hydrogen Energy, 2022, 47, 40327-40339.	3.8	16
14	Development of MnO ₂ Nanowire with Ni and (Ni, Co) Cation Doping as an Efficient Bifunctional Oxygen Evolution and Oxygen Reduction Reaction Catalyst. ChemElectroChem, 2022, 9, .	1.7	15
15	Volatile Organic Compounds as Potential Biomarkers for Noninvasive Disease Detection by Nanosensors: A Comprehensive Review. Critical Reviews in Analytical Chemistry, 2023, 53, 1828-1839.	1.8	14
16	Provoking Metallic 1T Phase Conversion of 2H-MoS ₂ via an Effectual Solvothermal Route for Electrocatalytic Water Reduction in Acid. ACS Sustainable Chemistry and Engineering, 2022, 10, 5258-5267.	3.2	14
17	Mesoporous Silica Template-Assisted Synthesis of 1T-MoS ₂ as the Anode for Li-Ion Battery Applications. Energy & Fuels, 2021, 35, 2683-2691.	2.5	12
18	Ultrasensitive simultaneous detection of ascorbic acid, dopamine, uric acid and acetaminophen on a graphitized porous carbon-modified electrode. New Journal of Chemistry, 2021, 45, 1863-1875.	1.4	11

#	ARTICLE	IF	CITATIONS
19	Investigation on Template Etching Process of SBA-15 Derived Ordered Mesoporous Carbon on Electrocatalytic Oxygen Reduction Reaction. <i>ChemistrySelect</i> , 2019, 4, 2463-2474.	0.7	10
20	KIT-6 Three Dimensional Template Derived Mesoporous Carbon for Oxygen Reduction Reaction: Effect of Template Removal on Catalytic Activity. <i>ChemistrySelect</i> , 2018, 3, 11864-11874.	0.7	9
21	Study of the Secondary Heteroatoms Doping on Nitrogen-Doped Carbon and Their Oxygen Reduction Reaction Performance Evaluation. <i>ChemistrySelect</i> , 2021, 6, 11887-11899.	0.7	8
22	Architecture of large surface area N-doped mesoporous carbon sheets as sustainable electrocatalyst for oxygen reduction reaction in alkaline electrolyte. <i>Materials Research Bulletin</i> , 2022, 149, 111729.	2.7	8
23	1T-MoS ₂ catalysed reduction of nitroarenes and a one-pot synthesis of imines. <i>New Journal of Chemistry</i> , 2022, 46, 8720-8728.	1.4	6
24	Activity manifestation via architectural manipulation by cubic silica-derived Co ₃ O ₄ electrocatalysts towards bifunctional oxygen electrode performance. <i>New Journal of Chemistry</i> , 2021, 45, 16913-16925.	1.4	5
25	One-Pot Synthesis of Ni _{0.05} Ce _{0.95} O ₂ Catalysts with Nanocubes and Nanorods Morphology for CO ₂ Methanation Reaction and in Operando DRIFT Analysis of Intermediate Species. <i>Processes</i> , 2021, 9, 1899.	1.3	5