Senthil Kumar S M

List of Publications by Year
in descending order

25	584	758635 12	642321 23
papers	citations	h-index	g-index

25	25	25	761
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	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
3	Development of Î±â€MnO₂ Nanowire with Niâ€and (Ni, Co)â€Cation Doping as an Efficient Bifunctional Oxygen Evolution and Oxygen Reduction Reaction Catalyst. ChemElectroChem, 2022, 9, .	1.7	15
4	Architecture of large surface area N-doped mesoporous carbon sheets as sustainable electrocatalyst for oxygen reduction reaction in alkaline electrolyte. Materials Research Bulletin, 2022, 149, 111729.	2.7	8
5	1T-MoS₂catalysed reduction of nitroarenes and a one-pot synthesis of imines. New Journal of Chemistry, 2022, 46, 8720-8728.	1.4	6
6	Provoking Metallic 1T Phase Conversion of 2H-MoS₂ via an Effectual Solvothermal Route for Electrocatalytic Water Reduction in Acid. ACS Sustainable Chemistry and Engineering, 2022, 10, 5258-5267.	3.2	14
7	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
8	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
9	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
10	Fine-tuning interlayer spacing in MoS2 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	Activity manifestation via architectural manipulation by cubic silica-derived Co3O4 electrocatalysts towards bifunctional oxygen electrode performance. New Journal of Chemistry, 2021, 45, 16913-16925.	1.4	5
12	Mesoporous Silica Template-Assisted Synthesis of 1T-MoS₂ as the Anode for Li-Ion Battery Applications. Energy & Fuels, 2021, 35, 2683-2691.	2.5	12
13	One-Pot Synthesis of Ni0.05Ce0.95O2â˜Î´ Catalysts with Nanocubes and Nanorods Morphology for CO2 Methanation Reaction and in Operando DRIFT Analysis of Intermediate Species. Processes, 2021, 9, 1899.	1.3	5
14	Study of the Secondary Heteroatoms Doping on Nitrogenâ€Doped Carbon and Their Oxygen Reduction Reaction Performance Evaluation. ChemistrySelect, 2021, 6, 11887-11899.	0.7	8
15	N-Doped Hollow Mesoporous Carbon Nanospheres for Oxygen Reduction Reaction in Alkaline Media. ACS Applied Nano Materials, 2020, 3, 8875-8887.	2.4	33
16	Embedding oxygen vacancies at SnO₂â€“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
17	CuCo2O4 nanobricks as electrode for enhanced electrochemical determination of hydroxylamine. Ionics, 2019, 25, 5023-5034.	1.2	23
18	Investigation on Template Etching Process of SBAâ€15 Derived Ordered Mesoporous Carbon on Electrocatalytic Oxygen Reduction Reaction. ChemistrySelect, 2019, 4, 2463-2474.	0.7	10

#	Article	IF	Citations
19	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
20	Template-Driven Phase Selective Formation of Metallic 1T-MoS₂ Nanoflowers for Hydrogen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 2019, 7, 2008-2017.	3.2	45
21	KITâ€6 Three Dimensional Template Derived Mesoporous Carbon for Oxygen Reduction Reaction: Effect of Template Removal on Catalytic Activity. ChemistrySelect, 2018, 3, 11864-11874.	0.7	9
22	2D and 3D Silicaâ€Templateâ€Derived MnO₂ Electrocatalysts towards Enhanced Oxygen Evolution and Oxygen Reduction Activity. ChemElectroChem, 2018, 5, 3980-3990.	1.7	35
23	Dual Heteroatom-Doped Carbon Monoliths Derived from Catalyst-free Preparation of Porous Polyisocyanurate for Oxygen Reduction Reaction. ACS Sustainable Chemistry and Engineering, 2018, 6, 9094-9103.	3.2	19
24	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
25	Physiochemical Investigation of Shape-Designed MnO₂ Nanostructures and Their Influence on Oxygen Reduction Reaction Activity in Alkaline Solution. Journal of Physical Chemistry C, 2015, 119, 6604-6618.	1.5	106