Kaushik Natarajan

List of Publications by Year
in descending order

19	847	623734	794594
papers	citations	14 h-index	19 g-index

19	19	19	1165
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Emerging Robust Heterostructure of MoS₂â€“rGO for High-Performance Supercapacitors. ACS Applied Materials & Interfaces, 2018, 10, 16588-16595.	8.0	163
2	Microwave assisted fabrication of a nanostructured reduced graphene oxide (rGO)/Fe₂O₃ composite as a promising next generation energy storage material. RSC Advances, 2017, 7, 309-317.	3.6	74
3	Design and Synthesis of 1D-Polymeric Chain Based [(CH₃NH₃)₃Bi₂Cl₉]n Perovskite: A New Light Absorber Material for Lead Free Perovskite Solar Cells. ACS Applied Energy Materials, 2018, 1, 2405-2409.	5.1	63
4	Multifunctional porous NiCo₂O₄ nanorods: sensitive enzymeless glucose detection and supercapacitor properties with impedance spectroscopic investigations. New Journal of Chemistry, 2017, 41, 9299-9313.	2.8	62
5	Non-enzymatic amperometric sensing of glucose by employing sucrose templated microspheres of copper oxide (CuO). Dalton Transactions, 2016, 45, 5833-5840.	3.3	58
6	Robust Nanocomposite of Nitrogen-Doped Reduced Graphene Oxide and MnO₂Nanorods for High-Performance Supercapacitors and Nonenzymatic Peroxide Sensors. ACS Sustainable Chemistry and Engineering, 2018, 6, 10489-10504.	6.7	57
7	A new multitalented azine ligand: elastic bending, single-crystal-to-single-crystal transformation and a fluorescence turn-on Al(<scp>iii</scp>) sensor. Chemical Communications, 2017, 53, 9870-9873.	4.1	56
8	A (CH₃NH₃)₃Bi₂I₉ Perovskite Based on a Twoâ€Step Deposition Method: Leadâ€Free, Highly Stable, and with Enhanced Photovoltaic Performance. ChemElectroChem, 2019, 6, 1192-1198.	3.4	56
9	Mixed-Ligand-Architected 2D Co(II)-MOF Expressing a Novel Topology for an Efficient Photoanode for Water Oxidation Using Visible Light. ACS Applied Materials & Interfaces, 2019, 11, 13295-13303.	8.0	55
10	Small biomolecule sensors based on an innovative MoS₂â€“rGO heterostructure modified electrode platform: a binder-free approach. Dalton Transactions, 2017, 46, 15848-15858.	3.3	49
11	Visible-Light-Induced Water Splitting Based on a Novel Î±-Fe₂O₃/CdS Heterostructure. ACS Omega, 2017, 2, 3447-3456.	3.5	33
12	Visible light driven water splitting through an innovative Cu-treated-Î´-MnO₂ nanostructure: probing enhanced activity and mechanistic insights. Nanoscale, 2018, 10, 13250-13260.	5.6	29
13	A Binder-Free Hybrid of CuO-Microspheres and rGO Nanosheets as an Alternative Material for Next Generation Energy Storage Application. ChemistrySelect, 2016, 1, 2826-2833.	1.5	28
14	Construction of a Cu-Based Metalâ€“Organic Framework by Employing a Mixed-Ligand Strategy and Its Facile Conversion into Nanofibrous CuO for Electrochemical Energy Storage Applications. Inorganic Chemistry, 2021, 60, 16986-16995.	4.0	18
15	Electrochemical energy storage properties of solvothermally driven ZnFe₂O₄ microspheres. Materials Research Express, 2019, 6, 095534.	1.6	12
16	Design and Synthesis of a New Facile Ligand in a Dual Role: Mechanically Elastic Crystal and Selective Mitochondria Target. Crystal Growth and Design, 2019, 19, 5483-5490.	3.0	12
17	Nitrogen-Doped Mixed-Phase Cobalt Nanocatalyst Derived from a Trinuclear Mixed-Valence Cobalt(III)/Cobalt(II) Complex for High-Performance Oxygen Evolution Reaction. Inorganic Chemistry, 2021, 60, 2333-2346.	4.0	9
18	Nanostructured Î´-MnO₂/Cd(OH)₂ Heterojunction Constructed under Ambient Conditions as a Sustainable Cathode for Photocatalytic Hydrogen Production. Industrial & Engineering Chemistry Research, 2020, 59, 7584-7593.	3.7	7

#	Article	IF	Citations
19	Investigating the Role of Substrate Tin Diffusion on Hematite Based Photoelectrochemical Water Splitting System. Journal of Nanoscience and Nanotechnology, 2018, 18, 1856-1863.	0.9	6