Jeevan Kumar Reddy Modigunta

List of Publications by Year
in descending order

27 papers	584 citations	623734 14 h-index	610901 24 g-index
29 all docs	29 docs citations	29 times ranked	671 citing authors

#	Article	IF	Citations
1	Synthesis of SnO₂pillared carbon using long chain alkylamine grafted graphene oxide: an efficient anode material for lithium ion batteries. Nanoscale, 2016, 8, 471-482.	5.6	87
2	Near-infrared-activated Z-scheme NaYF4:Yb/Tm@Ag3PO4/Ag@g-C3N4 photocatalyst for enhanced H2 evolution under simulated solar light irradiation. Chemical Engineering Journal, 2021, 421, 129687.	12.7	77
3	A review on MXenes: new-generation 2D materials for supercapacitors. Sustainable Energy and Fuels, 2021, 5, 5672-5693.	4.9	55
4	Effect of POSS-PEG hybrid nanoparticles on cycling performance of polyether-LiDFOB based solid polymer electrolytes for all solid-state Li-ion battery applications. Journal of Industrial and Engineering Chemistry, 2017, 45, 68-77.	5.8	43
5	Design and synthesis of polyaniline-grafted reduced graphene oxide via azobenzene pendants for high-performance supercapacitors. Polymer, 2017, 110, 242-249.	3.8	40
6	Enhancing Light Absorption and Prolonging Charge Separation in Carbon Quantum Dots via Cl-Doping for Visible-Light-Driven Photocharge-Transfer Reactions. ACS Applied Materials & Interfaces, 2021, 13, 34648-34657.	8.0	39
7	Development of functionalized multi-walled carbon nanotube-based polysaccharideâ€“hydroxyapatite scaffolds for bone tissue engineering. RSC Advances, 2016, 6, 82385-82393.	3.6	27
8	Synthesis of graphene-siloxene nanosheet based layered composite materials by tuning its interface chemistry: An efficient anode with overwhelming electrochemical performances for lithium-ion batteries. Journal of Power Sources, 2020, 450, 227618.	7.8	20
9	Recent Advances in Quantum Dots for Photocatalytic CO2 Reduction: A Mini-Review. Frontiers in Chemistry, 2021, 9, 734108.	3.6	20
10	Bio-mimicking organic-inorganic hybrid ladder-like polysilsesquioxanes as a surface modifier for polyethylene separator in lithium-ion batteries. Journal of Membrane Science, 2021, 620, 118886.	8.2	19
11	Hematoporphyrin Photosensitizer-Linked Carbon Quantum Dots for Photodynamic Therapy of Cancer Cells. ACS Applied Nano Materials, 2022, 5, 4376-4385.	5.0	19
12	Pore-selective modification of the honeycomb-patterned porous polystyrene film with poly(N-isopropylacrylamide) and application for thermo-responsive smart material. Polymer, 2020, 201, 122630.	3.8	17
13	Synthesis of YF3: Yb, Er upconverting nanofluorophores using chitosan and their cytotoxicity in MCF-7 cells. International Journal of Biological Macromolecules, 2015, 72, 1308-1312.	7.5	16
14	Poreâ€Selective SnS Functionalization in Honeycombâ€Patterned Films by a Breath Figure Process Accompanied by Chemical Reaction. Advanced Materials Interfaces, 2018, 5, 1801174.	3.7	16
15	Formylated polystyrene for the fabrication of pore selective aldehyde group functionalized honeycomb patterned porous polystyrene films. Journal of Polymer Science, Part B: Polymer Physics, 2018, 56, 1181-1192.	2.1	13
16	Effect of ferrocene on the fabrication of honeycomb-patterned porous polystyrene films and silver functionalization of the film. Polymer, 2019, 166, 55-62.	3.8	13
17	Light stimulated room-temperature H2S gas sensing ability of Cl-doped carbon quantum dots supported Ag nanoparticles. Carbon, 2022, 196, 337-346.	10.3	13
18	Synthesis of nanostructured lithium cobalt oxide using cherry blossom leaf templates and its electrochemical performances. Electrochimica Acta, 2016, 189, 237-244.	5.2	10

#	Article	IF	Citations
19	Impact of electric potential and magnetic fields on power generation in microbial fuel cells treating food waste leachate. Journal of Water Process Engineering, 2021, 40, 101841.	5.6	9
20	Role of silane concentration on the structural characteristics and properties of epoxy-/silane-modified montmorillonite clay nanocomposites. Journal of Elastomers and Plastics, 2017, 49, 665-683.	1.5	7
21	Ultravioletâ€“Ozone-Activation-Driven Ag Nanoparticles Grown on Plastic Substrates for Antibacterial Applications. ACS Applied Nano Materials, 2022, 5, 8767-8774.	5.0	6
22	Stability and Degradation of MXene. Engineering Materials, 2022, , 87-107.	0.6	4
23	Fabrication of moth eye-like patterned polystyrene films and their functionalization with polyaniline via interfacial reaction. Polymer, 2019, 179, 121636.	3.8	3
24	Synthesis of self-healing polyurethane and its application in graphene/SnO₂-pillared carbon anode materials. Polymers and Polymer Composites, 2020, 28, 348-355.	1.9	3
25	Tin Oxide/Nitrogen-Doped Graphene Quantum Dots Composite Nanotubes: An Efficient Electrode for Supercapacitors. Journal of Nanomaterials, 2022, 2022, 1-14.	2.7	2
26	Immobilization of an Antibacterial Compound from Streptomyces sp. onto Multi-Walled Carbon Nanotubes. Russian Journal of Electrochemistry, 2021, 57, 92-96.	0.9	1
27	Conductivity of Polypyrrole Composite Films Containing Lignosulfonic Acid. Porrime, 2017, 41, 694-701.	0.2	0