

Jeevan Kumar Reddy Modigunta

List of Publications by Year in descending order

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papers

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docs citations

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#	ARTICLE	IF	CITATIONS
1	Hematoporphyrin Photosensitizer-Linked Carbon Quantum Dots for Photodynamic Therapy of Cancer Cells. ACS Applied Nano Materials, 2022, 5, 4376-4385.	5.0	19
2	Ultraviolet-Activated Ozone-Activation-Driven Ag Nanoparticles Grown on Plastic Substrates for Antibacterial Applications. ACS Applied Nano Materials, 2022, 5, 8767-8774.	5.0	6
3	Light stimulated room-temperature H ₂ S gas sensing ability of Cl-doped carbon quantum dots supported Ag nanoparticles. Carbon, 2022, 196, 337-346.	10.3	13
4	Stability and Degradation of MXene. Engineering Materials, 2022, , 87-107.	0.6	4
5	Tin Oxide/Nitrogen-Doped Graphene Quantum Dots Composite Nanotubes: An Efficient Electrode for Supercapacitors. Journal of Nanomaterials, 2022, 2022, 1-14.	2.7	2
6	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
7	Immobilization of an Antibacterial Compound from Streptomyces sp. onto Multi-Walled Carbon Nanotubes. Russian Journal of Electrochemistry, 2021, 57, 92-96.	0.9	1
8	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
9	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
10	Recent Advances in Quantum Dots for Photocatalytic CO ₂ Reduction: A Mini-Review. Frontiers in Chemistry, 2021, 9, 734108.	3.6	20
11	Near-infrared-activated Z-scheme NaYF ₄ :Yb/Tm@Ag ₃ PO ₄ /Ag@g-C ₃ N ₄ photocatalyst for enhanced H ₂ evolution under simulated solar light irradiation. Chemical Engineering Journal, 2021, 421, 129687.	12.7	77
12	A review on MXenes: new-generation 2D materials for supercapacitors. Sustainable Energy and Fuels, 2021, 5, 5672-5693.	4.9	55
13	Synthesis of self-healing polyurethane and its application in graphene/SnO ₂ -pillared carbon anode materials. Polymers and Polymer Composites, 2020, 28, 348-355.	1.9	3
14	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
15	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
16	Fabrication of moth eye-like patterned polystyrene films and their functionalization with polyaniline via interfacial reaction. Polymer, 2019, 179, 121636.	3.8	3
17	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
18	Pore-Selective SnS Functionalization in Honeycomb-Patterned Films by a Breath Figure Process Accompanied by Chemical Reaction. Advanced Materials Interfaces, 2018, 5, 1801174.	3.7	16

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19	Formylated polystyrene for the fabrication of pore selective aldehyde group functionalized honeycomb patterned porous polystyrene films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018, 56, 1181-1192.	2.1	13
20	Role of silane concentration on the structural characteristics and properties of epoxy-/silane-modified montmorillonite clay nanocomposites. <i>Journal of Elastomers and Plastics</i> , 2017, 49, 665-683.	1.5	7
21	Design and synthesis of polyaniline-grafted reduced graphene oxide via azobenzene pendants for high-performance supercapacitors. <i>Polymer</i> , 2017, 110, 242-249.	3.8	40
22	Effect of POSS-PEG hybrid nanoparticles on cycling performance of polyether-LiDFOB based solid polymer electrolytes for all solid-state Li-ion battery applications. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 45, 68-77.	5.8	43
23	Conductivity of Polypyrrole Composite Films Containing Lignosulfonic Acid. <i>Porrime</i> , 2017, 41, 694-701.	0.2	0
24	Development of functionalized multi-walled carbon nanotube-based polysaccharide-hydroxyapatite scaffolds for bone tissue engineering. <i>RSC Advances</i> , 2016, 6, 82385-82393.	3.6	27
25	Synthesis of nanostructured lithium cobalt oxide using cherry blossom leaf templates and its electrochemical performances. <i>Electrochimica Acta</i> , 2016, 189, 237-244.	5.2	10
26	Synthesis of SnO ₂ pillared carbon using long chain alkylamine grafted graphene oxide: an efficient anode material for lithium ion batteries. <i>Nanoscale</i> , 2016, 8, 471-482.	5.6	87
27	Synthesis of YF ₃ : Yb, Er upconverting nanofluorophores using chitosan and their cytotoxicity in MCF-7 cells. <i>International Journal of Biological Macromolecules</i> , 2015, 72, 1308-1312.	7.5	16