

Ramasubba Reddy Palem

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

935
citations

471509

17
h-index

526287

27
g-index

28
all docs

28
docs citations

28
times ranked

941
citing authors

#	ARTICLE	IF	CITATIONS
1	Review on biomass feedstocks, pyrolysis mechanism and physicochemical properties of biochar: State-of-the-art framework to speed up vision of circular bioeconomy. <i>Journal of Cleaner Production</i> , 2021, 297, 126645.	9.3	202
2	Highly efficient solid-state synthesis of Co ₃ O ₄ on multiwalled carbon nanotubes for supercapacitors. <i>Journal of Alloys and Compounds</i> , 2021, 887, 161307.	5.5	67
3	Iron (II/III) perchlorate electrolytes for electrochemically harvesting low-grade thermal energy. <i>Scientific Reports</i> , 2019, 9, 8706.	3.3	64
4	Self-healable and dual-functional guar gum-grafted-polyacrylamidoglycolic acid-based hydrogels with nano-silver for wound dressings. <i>Carbohydrate Polymers</i> , 2019, 223, 115074.	10.2	63
5	Cross-linking of cellulose nanofiber films with glutaraldehyde for improved mechanical properties. <i>Materials Letters</i> , 2019, 250, 99-102.	2.6	56
6	Enhanced supercapacitive behavior by CuO@MnO ₂ /carboxymethyl cellulose composites. <i>Ceramics International</i> , 2021, 47, 26738-26747.	4.8	47
7	Green synthesis of silver nanoparticles and biopolymer nanocomposites: a comparative study on physico-chemical, antimicrobial and anticancer activity. <i>Bulletin of Materials Science</i> , 2018, 41, 1.	1.7	45
8	Genome-Wide Identification and Characterization of the Brassinazole-resistant (BZR) Gene Family and Its Expression in the Various Developmental Stage and Stress Conditions in Wheat (<i>Triticum aestivum</i>)	0.1	38
9	Fabrication of multifunctional Guar gum-silver nanocomposite hydrogels for biomedical and environmental applications. <i>International Journal of Biological Macromolecules</i> , 2020, 159, 474-486.	7.5	36
10	Physicochemical characterization, drug release, and biocompatibility evaluation of carboxymethyl cellulose-based hydrogels reinforced with sepiolite nanoclay. <i>International Journal of Biological Macromolecules</i> , 2021, 178, 464-476.	7.5	35
11	Sheet-like morphology CuCo ₂ O ₄ bimetallic nanoparticles adorned on graphene oxide composites for symmetrical energy storage applications. <i>Journal of Alloys and Compounds</i> , 2022, 892, 162182.	5.5	35
12	Guar gum graft polymer-based silver nanocomposite hydrogels: synthesis, characterization and its biomedical applications. <i>Journal of Polymer Research</i> , 2020, 27, 1.	2.4	33
13	Nanostructured Fe ₂ O ₃ @nitrogen-doped multiwalled nanotube/cellulose nanocrystal composite material electrodes for high-performance supercapacitor applications. <i>Journal of Materials Research and Technology</i> , 2020, 9, 7615-7627.	5.8	26
14	Chitosan-poly(aminopropyl/phenylsilsesquioxane) hybrid nanocomposite membranes for antibacterial and drug delivery applications. <i>Polymer International</i> , 2015, 64, 293-302.	3.1	22
15	Recent Advances in the Development of Laccase-Based Biosensors via Nano-Immobilization Techniques. <i>Chemosensors</i> , 2022, 10, 58.	3.6	19
16	Microstructurally assembled transition metal oxides with cellulose nanocrystals for high-performance supercapacitors. <i>Journal of Energy Storage</i> , 2022, 50, 104712.	8.1	19
17	Catalytic Degradability of p-Nitrophenol Using Ecofriendly Silver Nanoparticles. <i>Metals</i> , 2020, 10, 1661.	2.3	18
18	Chitosan-silver nanocomposites: New functional biomaterial for health-care applications. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2018, 67, 1-10.	3.4	16

#	ARTICLE	IF	CITATIONS
19	Polypyrrole-Based Metal Nanocomposite Electrode Materials for High-Performance Supercapacitors. <i>Metals</i> , 2021, 11, 905.	2.3	14
20	“Green” synthesis of silver polymer Nanocomposites of poly (2-isopropenyl-2- oxazoline-co-) Tj ETQq0 0 0 rgBT /Overlock, 10 Tf 50	2.4	13
21	Lignin-Mediated Silver Nanoparticle Synthesis for Photocatalytic Degradation of Reactive Yellow 4G and In Vitro Assessment of Antioxidant, Antidiabetic, and Antibacterial Activities. <i>Polymers</i> , 2022, 14, 648.	4.5	13
22	CRISPR/Cas9 and Nanotechnology Pertinence in Agricultural Crop Refinement. <i>Frontiers in Plant Science</i> , 2022, 13, 843575.	3.6	13
23	Biogenic palladium nanoparticles: An effectual environmental benign catalyst for organic coupling reactions. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 106, 52-68.	5.8	10
24	Ball-milling route to design hierarchical nanohybrid cobalt oxide structures with cellulose nanocrystals interface for supercapacitors. <i>International Journal of Energy Research</i> , 2022, 46, 8398-8412.	4.5	9
25	An Overview of Recent Advancements in Microbial Polyhydroxyalkanoates (PHA) Production from Dark Fermentation Acidogenic Effluents: A Path to an Integrated Bio-Refinery. <i>Polymers</i> , 2021, 13, 4297.	4.5	9
26	Ultrasonically decorated zinc cobaltate on nanocellulose interface for supercapacitors. <i>Surfaces and Interfaces</i> , 2022, 30, 101915.	3.0	7
27	COVID-19 Pandemic: Public Health Risk Assessment and Risk Mitigation Strategies. <i>Journal of Personalized Medicine</i> , 2021, 11, 1243.	2.5	6