

Vivekanandhan Singaravelu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1835879/publications.pdf>

Version: 2024-02-01

42
papers

1,300
citations

394421

19
h-index

361022

35
g-index

44
all docs

44
docs citations

44
times ranked

1686
citing authors

#	ARTICLE	IF	CITATIONS
1	Biosynthesized transition metal oxide nanostructures for photocatalytic degradation of organic dyes. , 2022, , 417-460.		1
2	Oil Cakes as Sustainable Agro-Industrial Feedstock for Biocarbon Materials. ChemBioEng Reviews, 2022, 9, 21-41.	4.4	5
3	Functionalization of kaolin clay with silver nanoparticles by <i>Murraya koenigii</i> fruit extract-mediated bioreduction process for antimicrobial applications. Journal of the Australian Ceramic Society, 2021, 57, 505-513.	1.9	11
4	Modification techniques to improve the capacitive performance of biocarbon materials. Journal of Energy Storage, 2021, 33, 101870.	8.1	18
5	Sustainable biocarbon materials derived from <i>Lessonia Trabeculata</i> macroalgae biomass residue for supercapacitor applications. Energy Storage, 2021, 3, e222.	4.3	19
6	Novel puffball (<i>Lycoperdon</i> Sp.) spores derived hierarchical nanostructured Biocarbon: A preliminary investigation on thermochemical conversion and characterization for supercapacitor applications. Materials Letters, 2021, 291, 129432.	2.6	8
7	Biocarbons as emerging and sustainable hydrophobic/oleophilic sorbent materials for oil/water separation. Sustainable Materials and Technologies, 2021, 28, e00268.	3.3	23
8	Jatropha Oil Cake Based Activated Carbon for Symmetric Supercapacitor Application: A Comparative Study on Conventional and Hydrothermal Carbonization Processes. ChemistrySelect, 2020, 5, 1375-1384.	1.5	22
9	Carbon Dots from Renewable Resources: A Review on Precursor Choices and Potential Applications. Advanced Structured Materials, 2020, , 159-208.	0.5	3
10	Combustion Process Using Plant-Based Fuels for the Synthesis of Metal-Oxide Nanostructures. ChemistrySelect, 2019, 4, 8026-8042.	1.5	6
11	Tecoma stans flower extract assisted biogenic synthesis of functional Ag-Talc nanostructures for antimicrobial applications. Bioresource Technology Reports, 2019, 7, 100298.	2.7	13
12	Hydrothermal synthesis, characterization and seed germination effects of green-emitting graphene oxide-carbon dot composite using brown macroalgal bio-oil as precursor. Journal of Chemical Technology and Biotechnology, 2019, 94, 3269-3275.	3.2	15
13	Green Synthesis of Silver Nanoparticles and Their Effective Utilization in Fabricating Functional Surface for Antibacterial Activity Against Multi-Drug Resistant <i>Proteus mirabilis</i> . Journal of Cluster Science, 2019, 30, 1403-1414.	3.3	17
14	Neem (<i>Azadirachta indica</i>) gum assisted sol-gel synthesis and characterization of ZnO nanoparticles for photocatalytic application. Journal of the Australian Ceramic Society, 2019, 55, 433-442.	1.9	13
15	Recent advances and emerging opportunities in phytochemical synthesis of ZnO nanostructures. Materials Science in Semiconductor Processing, 2018, 80, 143-161.	4.0	80
16	Phytochemical Process for the Functionalization of Materials with Metal Nanoparticles: Current Trends and Future Perspectives. ChemistrySelect, 2018, 3, 13561-13585.	1.5	9
17	Plant-Mediated Biogenic Synthesis of Palladium Nanoparticles: Recent Trends and Emerging Opportunities. ChemBioEng Reviews, 2017, 4, 18-36.	4.4	50
18	Carbon nanotubes from renewable feedstocks: A move toward sustainable nanofabrication. Journal of Applied Polymer Science, 2017, 134, .	2.6	47

#	ARTICLE	IF	CITATIONS
19	Leaf extract mediated biogenic process for the decoration of graphene with silver nanoparticles. <i>Materials Letters</i> , 2016, 178, 115-119.	2.6	16
20	Oxidative acid treatment and characterization of new biocarbon from sustainable <i>Miscanthus</i> biomass. <i>Science of the Total Environment</i> , 2016, 550, 241-247.	8.0	56
21	Microscopic, structural, and electrical characterization of the carbonaceous materials synthesized from various lignin feedstocks. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	19
22	Synthesis of nanocrystalline LiCoO_2 powders by polymeric combustion process: an investigation on the effect of different carboxylic acids as fuel. <i>International Journal of Higher Education Management</i> , 2015, 1, 105-112.	1.3	5
23	Surface modification and characterization of nanocrystalline $\text{LiNi}_{0.5}\text{Co}_{0.5}\text{VO}_4$ with Dy_2O_3 by polymeric resin process. <i>International Journal of Higher Education Management</i> , 2015, 1, 100-104.	1.3	0
24	Synthesis and characterization of $\text{AgNP}:\text{ZrO}_2$ functional nanomaterials by leaf extract assisted bioreduction process. <i>Ceramics International</i> , 2015, 41, 3305-3311.	4.8	14
25	Electrospun green fibres from lignin and chitosan: a novel polycomplexation process for the production of lignin-based fibres. <i>Journal of Materials Science</i> , 2014, 49, 7949-7958.	3.7	48
26	Maple leaf (<i>Acer</i> sp.) extract mediated green process for the functionalization of ZnO powders with silver nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 113, 169-175.	5.0	52
27	Thermal, mechanical, and morphological investigation of injection molded poly(trimethylene Terephthalate) (PET) / Polyethylene Glycol (PEG) blends. <i>Journal of Applied Polymer Science</i> , 2014, 114, 107-114.	4.8	17
28	Functionalization of single-walled carbon nanotubes with silver nanoparticles using <i>Tecoma stans</i> leaf extract. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012, 44, 1725-1729.	2.7	16
29	Green Process for Impregnation of Silver Nanoparticles into Microcrystalline Cellulose and Their Antimicrobial Bionanocomposite Films. <i>Journal of Biomaterials and Nanobiotechnology</i> , 2012, 03, 371-376.	0.5	63
30	Soybean (&i&t&g;Glycine Max&i&t&g;) Leaf Extract Based Green Synthesis of Palladium Nanoparticles. <i>Journal of Biomaterials and Nanobiotechnology</i> , 2012, 03, 14-19.	0.5	162
31	Biosynthesis of silver nanoparticles using <i>murraya koenigii</i> (curry leaf): An investigation on the effect of broth concentration in reduction mechanism and particle size. <i>Advanced Materials Letters</i> , 2011, 2, 429-434.	0.6	158
32	Acrylamide assisted polymeric citrate route for the synthesis of nanocrystalline ZrO_2 powder. <i>Materials Chemistry and Physics</i> , 2010, 120, 148-154.	4.0	15
33	Novel Glycine Max (Soybean) Leaf Extract Based Biological Process for the Functionalization of Carbon Nanotubes with Silver Nanoparticles. <i>Nanoscience and Nanotechnology Letters</i> , 2010, 2, 240-243.	0.4	15
34	Biological Synthesis of Silver Nanoparticles Using Glycine max (Soybean) Leaf Extract: An Investigation on Different Soybean Varieties. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 6828-33.	0.9	57
35	Ammonium carboxylates assisted combustion process for the synthesis of nanocrystalline LiCoO_2 powders. <i>Materials Chemistry and Physics</i> , 2008, 109, 241-248.	4.0	14
36	Synthesis and characterization of nanocrystalline $\text{LiNi}_{0.5}\text{Co}_{0.5}\text{VO}_4$ powders by citric acid assisted sol-gel combustion process. <i>Journal of Alloys and Compounds</i> , 2008, 462, 328-334.	5.5	37

#	ARTICLE	IF	CITATIONS
37	Novel urea assisted polymeric citrate route for the synthesis of nanocrystalline spinel LiMn_2O_4 powders. <i>Journal of Alloys and Compounds</i> , 2007, 441, 284-290.	5.5	35
38	Effect of calcining temperature on the electrochemical performance of nanocrystalline LiMn_2O_4 powders prepared by polyethylene glycol (PEG-400) assisted Pechini process. <i>Materials Letters</i> , 2006, 60, 3212-3216.	2.6	20
39	Effect of different ethylene glycol precursors on the Pechini process for the synthesis of nano-crystalline $\text{LiNi}_0.5\text{Co}_0.5\text{VO}_4$ powders. <i>Materials Chemistry and Physics</i> , 2005, 91, 54-59.	4.0	29
40	Novel approach for the bulk synthesis of nanocrystalline yttria doped thoria powders via polymeric precursor routes. <i>Journal of Nuclear Materials</i> , 2004, 325, 134-140.	2.7	23
41	Glycerol-assisted gel combustion synthesis of nano-crystalline LiNiVO_4 powders for secondary lithium batteries. <i>Materials Letters</i> , 2004, 58, 1218-1222.	2.6	27
42	Effect of ethylene glycol on polyacrylic acid based combustion process for the synthesis of nano-crystalline nickel ferrite (NiFe_2O_4). <i>Materials Letters</i> , 2004, 58, 2717-2720.	2.6	30