Nagaraju G

List of Publications by Year
in descending order

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52 papers	2,022 citations	279798 23 h-index	243625 44 g-index
52 all docs	52 docs citations	52 times ranked	2451 citing authors

#	Article	IF	Citations
1	Green synthesis of LiZnVO4 nanoparticles and its multiple applications towards electrochemical sensor, supercapacitor, humidity sensing, photoluminescence and antioxidant activities. Journal of Materials Science: Materials in Electronics, 2022, 33, 10902-10918.	2.2	8
2	Design of novel perovskite KTaO3 nanoflowers via hydrothermal synthesis for electrochemical lithium storage and dopamine biosensing. Materials Chemistry and Physics, 2022, 282, 125990.	4.0	8
3	Implementing an in-situ carbon formation of MoO3 nanoparticles for high performance lithium-ion battery. Ceramics International, 2021, 47, 10261-10267.	4.8	27
4	Combustion synthesis of Î²-SnWO4-rGO: Anode material for Li-ion battery and photocatalytic dye degradation. Ceramics International, 2021, 47, 10291-10300.	4.8	12
5	Mesoporous Mo4V6O25 as high electrochemical performance anode material for lithium ion battery. Journal of Materials Science: Materials in Electronics, 2021, 32, 1593-1601.	2.2	1
6	Rapid Microwave Synthesis of Î²-SnWO4 Nanoparticles: An Efficient Anode Material for Lithium Ion Batteries. Crystals, 2021, 11, 334.	2.2	6
7	Sensing and sensitive visualization of latent fingerprints on various surfaces using a versatile fluorescent aggregationâ€induced emissionâ€based coumarin derivative. Luminescence, 2021, 36, 1013-1023.	2.9	12
8	Synthesis of novel pseudo-capacitive perovskite nanostructured flowerlike KTaO3 for lithium ion storage. International Journal of Hydrogen Energy, 2021, 46, 28214-28220.	7.1	7
9	Green synthesis of molybdenum oxide nanoparticles: Advanced electrode material for electrochemical lithium storage. Microchemical Journal, 2021, 171, 106818.	4.5	4
10	Recent progress in metal-doped TiO2, non-metal doped/codoped TiO2 and TiO2 nanostructured hybrids for enhanced photocatalysis. International Journal of Hydrogen Energy, 2020, 45, 7764-7778.	7.1	493
11	One-pot synthesis of Cuâ€“TiO2/CuO nanocomposite: Application to photocatalysis for enhanced H2 production, dye degradation & detoxification of Cr (VI). International Journal of Hydrogen Energy, 2020, 45, 7813-7828.	7.1	55
12	Facile microwave-assisted green synthesis of ZnO nanoparticles: application to photodegradation, antibacterial and antioxidant. Journal of Materials Science: Materials in Electronics, 2020, 31, 1004-1021.	2.2	86
13	Tantalum pentoxide-reduced graphene oxide nanocomposite as a new conversion type anode material having extrinsic pseudocapacitance for electrochemical lithium storage. Journal of Energy Storage, 2020, 32, 101991.	8.1	2
14	Ag decorated V2O5 nanorods as cathode material for lithium ion battery. Journal of Materials Science: Materials in Electronics, 2020, 31, 14279-14286.	2.2	10
15	Cost-effective and green approach for the synthesis of zinc ferrite nanoparticles using Aegle Marmelos extract as a fuel: catalytic, electrochemical, and microbial applications. Journal of Materials Science: Materials in Electronics, 2020, 31, 17386-17403.	2.2	51
16	Facile combustion synthesis of Ag₂O nanoparticles using cantaloupe seeds and their multidisciplinary applications. Applied Organometallic Chemistry, 2020, 34, e5830.	3.5	20
17	Engineering the MxZn1âˆ’xO (Mâ€‰=â€‰Al3+, Fe3+, Cr3+) nanoparticles for visible light-assisted catalytic mineralization of methylene blue dye using Taguchi design. Chemical Papers, 2020, 74, 2719-2731.	2.2	8
18	A novel, green, rapid, nonchemical route hydrothermal assisted biosynthesis of Ag nanomaterial by blushwood berry extract and evaluation of its diverse applications. Applied Nanoscience (Switzerland), 2020, 10, 3341-3351.	3.1	7

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19	Sonochemical synthesis of SnO2â€“CuO nanocomposite: diverse applications on Li-ion battery, electrochemical sensing and photocatalytic activity. Journal of Materials Science: Materials in Electronics, 2020, 31, 8737-8749.	2.2	13
20	Low temperature ionothermal synthesis of TiO 2 nanomaterials for efficient photocatalytic H 2 production, dye degradation and photoluminescence studies. International Journal of Energy Research, 2020, 44, 8362-8371.	4.5	8
21	Highly distorted mesoporous S/C/Ti3+ doped black TiO2 for simultaneous visible light degradation of multiple dyes. New Journal of Chemistry, 2020, 44, 9830-9836.	2.8	7
22	Robust electrochemistry of black TiO2 as stable and high-rate negative electrode for lithium-ion batteries. Materials for Renewable and Sustainable Energy, 2019, 8, 1.	3.6	21
23	CdS@MoS2 coreâ€“shell nanospheres: a new electrode for lithium ion batteries. Journal of Materials Science: Materials in Electronics, 2019, 30, 14456-14463.	2.2	5
24	Highly porous, honeycomb like Agâ€“ZnO nanomaterials for enhanced photocatalytic and photoluminescence studies: green synthesis using Azadirachta indica gum. SN Applied Sciences, 2019, 1, 1.	2.9	35
25	Rauvolfia tetraphylla (Devil Pepper)-Mediated Green Synthesis of Ag Nanoparticles: Applications to Anticancer, Antioxidant and Antimitotic. Journal of Cluster Science, 2019, 30, 1545-1564.	3.3	26
26	Recent advances in non-metals-doped TiO2 nanostructured photocatalysts for visible-light driven hydrogen production, CO2 reduction and air purification. International Journal of Hydrogen Energy, 2019, 44, 13022-13039.	7.1	207
27	Synthesis of $$hbox {V}_{2} hbox {O}_{5}$$ V 2 O 5 nanoparticles: cathode materials for lithium-ion batteries. Bulletin of Materials Science, 2019, 42, 1.	1.7	8
28	Biosynthesis of Cu4O3 nanoparticles using Razma seeds: application to antibacterial and cytotoxicity activities. SN Applied Sciences, 2019, 1, 1.	2.9	16
29	Enhanced oral bioavailability of an antipsychotic drug through nanostructured lipid carriers. International Journal of Biological Macromolecules, 2018, 110, 269-275.	7.5	47
30	Sugarcane juice mediated eco-friendly synthesis of visible light active zinc ferrite nanoparticles: Application to degradation of mixed dyes and antibacterial activities. Materials Chemistry and Physics, 2018, 212, 351-362.	4.0	84
31	Ionic liquid-assisted hydrothermal synthesis of SnS nanoparticles: Electrode materials for lithium batteries, photoluminescence and photocatalytic activities. Journal of Energy Chemistry, 2018, 27, 806-812.	12.9	46
32	Multiple applications of combustion derived nickel oxide nanoparticles. Journal of Materials Science: Materials in Electronics, 2018, 29, 277-287.	2.2	29
33	Ionothermal synthesis of TiO 2 nanoparticles for enhanced photocatalytic H 2 generation. International Journal of Hydrogen Energy, 2018, 43, 4028-4035.	7.1	20
34	One step hydrothermal synthesis of novel Cu2S-MoO3 nanocomposite for lithium ion batteryÂand photocatalytic applications. International Journal of Hydrogen Energy, 2018, 43, 4003-4014.	7.1	28
35	High capacity MoO₃/rGO nanocomposite anode for lithium ion batteries: an intuition into the conversion mechanism of MoO₃. New Journal of Chemistry, 2018, 42, 18569-18577.	2.8	36
36	Composition of MoO2Nanoparticles with RGO Sheets as Improved Lithium Ion Battery Anode. ChemistrySelect, 2018, 3, 13289-13296.	1.5	8

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37	Enhanced Photocatalytic Activity and Biosensing of Gadolinium Substituted BiFeO₃ Nanoparticles. ChemistrySelect, 2018, 3, 9025-9033.	1.5	69
38	Mesoporous Ta2O5 nanoparticles as an anode material for lithium ion battery and an efficient photocatalyst for hydrogen evolution. International Journal of Hydrogen Energy, 2018, 43, 18125-18135.	7.1	43
39	Mesoporous MnMoO₄ Nanorods for Enhanced Electrochemical Performance. ChemistrySelect, 2018, 3, 7490-7495.	1.5	13
40	Synthesis and Characterisation of Mesoporous TiO2 Nanoparticles by Novel Surfactant Assisted Sol-gel Method for the Degradation of Organic Compounds. Periodica Polytechnica: Chemical Engineering, 2018, 63, 85-95.	1.1	30
41	Bio-derived ZnO nanoparticles as an efficient catalyst for photocatalytic activity and biodiesel production. AIP Conference Proceedings, 2018, , .	0.4	3
42	Vitis labruska skin extract assisted green synthesis of ZnO super structures for multifunctional applications. Ceramics International, 2017, 43, 11656-11667.	4.8	72
43	One pot green synthesis of MnCO₃â€“rGO composite hybrid superstructure: application to lithium ion battery and biosensor. New Journal of Chemistry, 2017, 41, 12854-12865.	2.8	33
44	Hydrothermal Synthesis of TiO 2 -rGO By Green Chemical Method. Materials Today: Proceedings, 2017, 4, 11888-11893.	1.8	7
45	Green, Nonchemical Route for the Synthesis of ZnO Superstructures, Evaluation of Its Applications toward Photocatalysis, Photoluminescence, and Biosensing. Crystal Growth and Design, 2016, 16, 6828-6840.	3.0	93
46	Vanadium oxide nanorings: Facile synthesis, formation mechanism and electrochemical properties. Materials Research Bulletin, 2016, 83, 542-549.	5.2	4
47	Photocatalytic activity of Li-doped TiO2 nanoparticles: Synthesis via ionic liquid-assisted hydrothermal route. Materials Research Bulletin, 2016, 78, 103-111.	5.2	40
48	Ionothermal synthesis of TiO2 nanoparticles: Photocatalytic hydrogen generation. Materials Letters, 2013, 109, 27-30.	2.6	50
49	Ionic liquid-assisted hydrothermal synthesis of TiO2 nanoparticles and its application in photocatalysis. Journal of Materials Science, 2013, 48, 8420-8426.	3.7	49
50	One step synthesis of monoclinic VO2 (B) bundles of nanorods: Cathode for Li ion battery. Materials Characterization, 2012, 68, 58-62.	4.4	54
51	Multi-function NiFe2O4 Nanoparticles for Sodium-ion Battery, Sensing and photocatalysis. New Journal of Chemistry, 0, , .	2.8	1
52	Facile combustion synthesis of highly active Mo doped BiVO₄ for photocatalytic dye degradation, photo-oxidation of alcohols, antifungal and antioxidant activities. International Journal of Environmental Analytical Chemistry, 0, , 1-20.	3.3	0