Syam G Krishnan

List of Publications by Year
in descending order

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31 papers	1,511 citations	304368 22 h-index	433756 31 g-index
32 all docs	32 docs citations	32 times ranked	1455 citing authors

#	Article	IF	Citations
1	Recent progress on supercapacitive performance of agrowaste fibers: a review. Critical Reviews in Solid State and Materials Sciences, 2023, 48, 289-331.	6.8	6
2	Metal oxide nanotubes via electrodeposition for battery-electrochemical capacitor hybrid device. Synthetic Metals, 2022, 284, 116991.	2.1	5
3	Electrospinning research and products: The road and the way forward. Applied Physics Reviews, 2022, 9, .	5.5	50
4	A review on the recent advances in binder-free electrodes for electrochemical energy storage application. Journal of Energy Storage, 2022, 50, 104283.	3.9	57
5	Self-activated â€˜greenâ€™ carbon nanoparticles for symmetric solid-state supercapacitors. Journal of Materials Science, 2021, 56, 13271.	1.7	24
6	Transformation of Supercapacitive Charge Storage Behaviour in a Multi elemental Spinel CuMn2O4 Nanofibers with Alkaline and Neutral Electrolytes. Advanced Fiber Materials, 2021, 3, 265-274.	7.9	24
7	Energy storage in metal cobaltite electrodes: Opportunities & challenges in magnesium cobalt oxide. Renewable and Sustainable Energy Reviews, 2021, 141, 110798.	8.2	51
8	Phosphate Polyanion Materials as High-Voltage Lithium-Ion Battery Cathode: A Review. Energy & Fuels, 2021, 35, 10428-10450.	2.5	80
9	Template-assisted electrodeposited cupric oxide nanotubes and hierarchical nanospikes for tailoring electrode-electrolyte interfacial charge transfer. Ceramics International, 2021, 47, 34732-34739.	2.3	4
10	Novel Nanostructured Nd(OH)₃/g-C₃N₄ Nanocomposites (Nanorolls Anchored on Nanosheets) as Reliable Electrode Material for Supercapacitors. Energy & Fuels, 2021, 35, 15205-15212.	2.5	7
11	Applications of supercapattery. , 2021, , 311-348.		1
12	Ternary nanocomposite cathodes based on 3D graphene-Ag nanoparticle-polyaniline for hybrid electrochemical energy device. Synthetic Metals, 2021, 282, 116932.	2.1	9
13	Rapid microwave-assisted synthesis of MnCo2O4 nanoflakes as a cathode for battery-supercapacitor hybrid. Journal of Energy Storage, 2021, 44, 103566.	3.9	30
14	Thin Chemisorbed Polyaniline Film on Cobalt Oxide as an Electrode for Hybrid Energy Storage Devices. ChemistrySelect, 2020, 5, 7973-7983.	0.7	11
15	2D Materials for Supercapacitor and Supercapattery Applications. ACS Symposium Series, 2020, , 33-47.	0.5	6
16	Pseudocapacitive Charge Storage in Thin Nanobelts. Advanced Fiber Materials, 2019, 1, 205-213.	7.9	41
17	In situ encapsulation of tin oxide and cobalt oxide composite in porous carbon for high-performance energy storage applications. Journal of Electroanalytical Chemistry, 2018, 817, 217-225.	1.9	38
18	Environment-Modulated Crystallization of Cu₂O and CuO Nanowires by Electrospinning and Their Charge Storage Properties. Langmuir, 2018, 34, 1873-1882.	1.6	54

#	Article	IF	Citations
19	Hydrothermal syntheses of tungsten doped TiO2 and TiO2/WO3 composite using metal oxide precursors for charge storage applications. Journal of Alloys and Compounds, 2018, 740, 703-710.	2.8	64
20	Large scale synthesis of 3D nanoflowers of SnO 2 /TiO 2 composite via electrospinning with synergistic properties. Materials Letters, 2018, 225, 117-121.	1.3	30
21	Continuous nanobelts of nickel oxideâ€“cobalt oxide hybrid with improved capacitive charge storage properties. Materials and Design, 2017, 122, 376-384.	3.3	72
22	Critical influence of reduced graphene oxide mediated binding of M (M = Mg, Mn) with Co ions, chemical stability and charge storability enhancements of spinal-type hierarchical MCo 2 O 4 nanostructures. Electrochimica Acta, 2017, 243, 119-128.	2.6	60
23	Effect of processing parameters on the charge storage properties of MgCo2O4 electrodes. Ceramics International, 2017, 43, 12270-12279.	2.3	49
24	Improving the symmetry of asymmetric supercapacitors using battery-type positive electrodes and activated carbon negative electrodes by mass and charge balance. Journal of Electroanalytical Chemistry, 2017, 805, 126-132.	1.9	61
25	Pseudocapacitive Charge Storage in Single-Step-Synthesized CoOâ€“MnO₂â€“MnCo₂O₄ Hybrid Nanowires in Aqueous Alkaline Electrolytes. Journal of Physical Chemistry C, 2017, 121, 21171-21183.	1.5	69
26	Large scale synthesis of binary composite nanowires in the Mn 2 O 3 -SnO 2 system with improved charge storage capabilities. Chemical Engineering Journal, 2017, 327, 962-972.	6.6	46
27	Supercapacitor Electrodes Delivering High Energy and Power Densities. Materials Today: Proceedings, 2016, 3, S48-S56.	0.9	28
28	Modification of capacitive charge storage of TiO2 with nickel doping. Journal of Alloys and Compounds, 2016, 684, 328-334.	2.8	20
29	Synthesis and characterization of MnCo 2 O 4 cuboidal microcrystals as a high performance psuedocapacitor electrode. Journal of Alloys and Compounds, 2016, 656, 707-713.	2.8	72
30	Characterization of MgCo2O4 as an electrode for high performance supercapacitors. Electrochimica Acta, 2015, 161, 312-321.	2.6	292
31	High performance MnO2 nanoflower electrode and the relationship between solvated ion size and specific capacitance in highly conductive electrolytes. Materials Research Bulletin, 2014, 57, 221-230.	2.7	135