Yogesh Kumar

List of Publications by Year
in descending order

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41	668	687363 13	580821 25
papers	citations	h-index	g-index

42	42	42	606
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An efficient Î±-MnO 2 nanorods forests electrode for electrochemical capacitors with neutral aqueous electrolytes. Electrochimica Acta, 2016, 220, 712-720.	5.2	87
2	Background, fundamental understanding and progress in electrochemical capacitors. Journal of Solid State Electrochemistry, 2019, 23, 667-692.	2.5	62
3	Use of biomass-derived biochar in wastewater treatment and power production: A promising solution for a sustainable environment. Science of the Total Environment, 2022, 825, 153892.	8.0	62
4	Recent Advances in Materials, Parameters, Performance and Technology in Ammonia Sensors: A Review. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 269-290.	3.7	54
5	Ionotropic Gelation of Chitosan Flat Structures and Potential Applications. Molecules, 2021, 26, 660.	3.8	39
6	Sol-gel citrate synthesized Zn doped MgFe2O4 nanocrystals: A promising supercapacitor electrode material. Materials Science for Energy Technologies, 2020, 3, 446-455.	1.8	38
7	Theories and models of supercapacitors with recent advancements: impact and interpretations. Nano Express, 2021, 2, 022004.	2.4	37
8	Low temperature synthesis of MnO2 nanostructures for supercapacitor application. Materials Science for Energy Technologies, 2020, 3, 566-574.	1.8	33
9	The Effect of Modifications of Activated Carbon Materials on the Capacitive Performance: Surface, Microstructure, and Wettability. Journal of Composites Science, 2021, 5, 66.	3.0	32
10	Soft Materials for Wearable/Flexible Electrochemical Energy Conversion, Storage, and Biosensor Devices. Materials, 2020, 13, 2733.	2.9	29
11	A review of Ï€-conjugated polymer-based nanocomposites for metal-ion batteries and supercapacitors. Royal Society Open Science, 2021, 8, 210567.	2.4	24
12	Li1.3Al0.3Ti1.7(PO4)3 reinforced hybrid polymer composites: assessment of enhanced Li+ ion transport and potential for solid-state supercapacitor applications. Journal of Materials Science, 2020, 55, 3951-3963.	3.7	21
13	Improved electrochemical performance of symmetric polyaniline/activated carbon hybrid for high supercapacitance: Comparison with indirect capacitance. Polymers for Advanced Technologies, 2021, 32, 4490-4501.	3.2	15
14	Bioinspired synthesis of nickel oxide nanoparticles as electrode material for supercapacitor applications. Ionics, 2021, 27, 5263-5276.	2.4	15
15	Progress, status and prospects of non-porous, heteroatom-doped carbons for supercapacitors and other electrochemical applications. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	13
16	Characterisation and electrical conductivity of polytetrafluoroethylene/graphite nanoplatelets composite films. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	12
17	Advancement and current scenario of engineering and design in transparent supercapacitors: electrodes and electrolyte. Journal of Nanoparticle Research, 2021, 23, 1.	1.9	9
18	Direct photon production at finite chemical potential from quarkâ€“gluon plasma. International Journal of Modern Physics A, 2015, 30, 1550020.	1.5	8

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19	Elaborative Studies on Nonâ€Porous Carbon Material for Super Capacitor Application. Macromolecular Symposia, 2019, 388, 1900035.	0.7	8
20	Triethanolamineâ€“ethoxylate (TEA-EO) assisted hydrothermal synthesis of hierarchical Î²-MnO₂ nanorods: effect of surface morphology on capacitive performance. Nano Express, 2021, 2, 040008.	2.4	8
21	Photon production in high energy nuclear collision of quarkâ€“gluon plasma. International Journal of Modern Physics A, 2014, 29, 1450110.	1.5	7
22	Synthesis and electrochemical study of phosphorus-doped porous carbon for supercapacitor applications. SN Applied Sciences, 2021, 3, 1.	2.9	7
23	Study of electrochemical properties of activated carbon electrode synthesized using bio-waste for supercapacitor applications. Biomass Conversion and Biorefinery, 2023, 13, 14059-14070.	4.6	7
24	Phenomenological modeling of the photon production rate from the QGP at finite quark chemical potential. International Journal of Modern Physics A, 2015, 30, 1550196.	1.5	6
25	Highly Capacitive Mesoporous Polyaniline Spheres as Scalable and High Electrochemical Performance Supercapacitor Electrode. ChemistrySelect, 2022, 7, .	1.5	6
26	Free Energy Evolution and Photon Radiation from QGP. , 2013, 2013, 1-8.		5
27	Physico-Mechanical Study of CMC/BFO/PoPD Nanocomposite Films Reinforced with Cellulose Nanocrystals (CNCMCC) for Effective Photocatalytic Removal of Methyl Orange. Journal of Composites Science, 2021, 5, 142.	3.0	5
28	Comparative Studies on Ionic Liquid and Polymer Ionic Liquid Blend for Application in EDLCs. Macromolecular Symposia, 2019, 388, 1900029.	0.7	3
29	Effect of Magnetic Field on QGP Equation of State. , 2019, , .		2
30	Methods of Synthesis and Specific Properties of Graphene Nano Composites for Biomedical and Related Energy Storage Applications. Current Nanoscience, 2021, 17, 572-590.	1.2	2
31	Preparation of electrochemically stable choline chloride-sugar based sustainable electrolytes and study of effect of water on their electrochemical behaviour. Materials Today: Proceedings, 2022, 53, 179-184.	1.8	2
32	Concentration dependent electrochemical performance of aqueous choline chloride electrolyte. Materials Today: Proceedings, 2022, , .	1.8	2
33	Dilepton production as a useful probe of quark gluon plasma with temperature dependent chemical potential quark mass. International Journal of Modern Physics E, 2016, 25, 1650049.	1.0	1
34	Synthesis and Analysis of Planar Optical Waveguides as pH Sensors. Recent Innovations in Chemical Engineering, 2018, 11, 40-44.	0.4	1
35	Dilepton production rate calculation using MEQM in heavy-ion collision. International Journal of Modern Physics A, 2020, 35, 2050115.	1.5	1
36	A Simple Model Approach to Dilepton Production Rate in Relativistic Heavy Ion Collisions. Physics of Particles and Nuclei Letters, 2021, 18, 160-165.	0.4	1

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37	Hydrophobization of Melamine Sponges Using Radiation-Synthesized Tetrafluoroethylene Telomers. High Energy Chemistry, 2021, 55, 488-494.	0.9	1
38	Variation in Capacitive Performance of Poly(3-methylthiophene) Nanosheet Electrodes with Liquid/Semi-Solid/Solid Electrolytes. Polymer Science - Series A, 2021, 63, 736-748.	1.0	1
39	Physical Characterization of Ionic Liquid-Modified Polyvinyl Alcohol and Sodium Thiocyanate Polymer Electrolytes for Electrochemical Double-Layer Capacitor Application. Journal of Shanghai Jiaotong University (Science), 0, , 1.	0.9	1
40	Synthesis and characterization of one dimensional ZnO nanorods. AIP Conference Proceedings, 2021, , .	0.4	0
41	Conduction mechanism in rare earth-doped perovskite material through impedance analysis. Bulletin of Materials Science, 2021, 44, 1.	1.7	0