Balakrishnan Kirubasankar

List of Publications by Year
in descending order

26 papers	1,662 citations	394421 19 h-index	552781 26 g-index
26 all docs	26 docs citations	26 times ranked	1946 citing authors

#	Article	IF	Citations
1	In situ grown nickel selenide on graphene nanohybrid electrodes for high energy density asymmetric supercapacitors. Nanoscale, 2018, 10, 20414-20425.	5.6	332
2	2D MoSe2-Ni(OH)2 nanohybrid as an efficient electrode material with high rate capability for asymmetric supercapacitor applications. Chemical Engineering Journal, 2019, 355, 881-890.	12.7	209
3	Preparation of electrospun Co3O4 nanofibers as electrode material for high performance asymmetric supercapacitors. Electrochimica Acta, 2014, 149, 152-158.	5.2	134
4	Hydrothermal assisted in situ growth of CoSe onto graphene nanosheets as a nanohybrid positive electrode for asymmetric supercapacitors. RSC Advances, 2017, 7, 5853-5862.	3.6	111
5	Sonochemical synthesis of a 2Dâ€“2D MoSe₂/graphene nanohybrid electrode material for asymmetric supercapacitors. Sustainable Energy and Fuels, 2019, 3, 467-477.	4.9	110
6	Morphology restrained growth of V₂O₅ by the oxidation of V-MXenes as a fast diffusion controlled cathode material for aqueous zinc ion batteries. Chemical Communications, 2020, 56, 6412-6415.	4.1	95
7	Research progress in rare earths and their composites based electrode materials for supercapacitors. Green Energy and Environment, 2020, 5, 259-273.	8.7	89
8	Development of 2D La(OH)3 /graphene nanohybrid by a facile solvothermal reduction process for high-performance supercapacitors. Electrochimica Acta, 2018, 281, 329-337.	5.2	72
9	Facile synthesis of electrostatically anchored Nd(OH)₃ nanorods onto graphene nanosheets as a high capacitance electrode material for supercapacitors. New Journal of Chemistry, 2018, 42, 2923-2932.	2.8	69
10	Construction of heterogeneous 2D layered MoS2/MXene nanohybrid anode material via interstratification process and its synergetic effect for asymmetric supercapacitors. Applied Surface Science, 2020, 534, 147644.	6.1	68
11	Electrospun Nd³⁺â€Doped LiMn₂O₄ Nanofibers as Highâ€Performance Cathode Material for Liâ€Ion Capacitors. ChemElectroChem, 2017, 4, 2059-2067.	3.4	64
12	Synthesis and electrochemical performance of P2-Na0.67AlxCo1-xO2 (0.0Ââ‰ÂÃ—Ââ‰Â0.5) nanopowders for sodium-ion capacitors. Ionics, 2017, 23, 731-739.	2.4	38
13	A Facile Chemical Precipitation Method for the Synthesis of Nd(OH)₃ and La(OH)₃ Nanopowders and their Supercapacitor Performances. ChemistrySelect, 2018, 3, 12719-12724.	1.5	38
14	Synthesis of Polythiophene and its Carbonaceous Nanofibers as Electrode Materials for Asymmetric Supercapacitors. Advanced Materials Research, 2014, 938, 151-157.	0.3	36
15	Atomic and structural modifications of two-dimensional transition metal dichalcogenides for various advanced applications. Chemical Science, 2022, 13, 7707-7738.	7.4	28
16	Electrodeposition and characterisation of Cuâ€“MWCNTs nanocomposite coatings. Surface Engineering, 2017, 33, 369-374.	2.2	26
17	Recent Progress in Grapheneâ€Based Microsupercapacitors. Energy Technology, 2021, 9, 2000844.	3.8	23
18	Development of CeO2 nanorods reinforced electrodeposited nickel nanocomposite coating and its tribological and corrosion resistance properties. Journal of Rare Earths, 2018, 36, 1319-1325.	4.8	22

#	Article	IF	Citations
19	Substitutional Vanadium Sulfide Nanodispersed in MoS₂ Film for Ptâ€Scalable Catalyst. Advanced Science, 2021, 8, e2003709.	11.2	19
20	Influence of pulse reverse current on mechanical and corrosion resistance properties of Ni-MoSe2 nanocomposite coatings. Applied Surface Science, 2019, 493, 225-230.	6.1	17
21	Nanohybrid engineering of the vertically confined marigold structure of rGO-VSe2 as an advanced cathode material for aqueous zinc-ion battery. Journal of Alloys and Compounds, 2021, 882, 160704.	5.5	17
22	Mechanical and corrosion resistance properties of electrodeposited Cuâ€“ZrO₂nanocomposites. Transactions of the Institute of Metal Finishing, 2015, 93, 262-266.	1.3	14
23	Microwave-assisted combustion synthesis of nanocrystalline Sm-doped La 2 Mo 2 O 9 oxide-ion conductors for SOFC application. Materials Research Bulletin, 2015, 68, 320-325.	5.2	14
24	Influence of pulse reverse current parameters on electrodeposition of copper-graphene nanocomposite coating. Applied Surface Science Advances, 2021, 5, 100116.	6.8	14
25	Development of MoS Nanosheets Embedded Nickel Composite Coating and its Mechanical 2 Properties. ES Materials & Manufacturing, 2018, , .	1.9	2
26	Substitutional Vanadium Sulfide Nanodispersed in MoS₂ Film for Ptâ€Scalable Catalyst (Adv.) Tj ETQq0 0 0 rgBT /Overlock	11.2	1