Subramani Kaipannan

List of Publications by Year
in descending order

34 papers	2,367 citations	257101 24 h-index	377514 34 g-index
34 all docs	34 docs citations	34 times ranked	2353 citing authors

#	Article	IF	Citations
1	Dual heteroatoms doped SBA-15 templated porous carbon for symmetric supercapacitor in dual redox additive electrolyte. Journal of Colloid and Interface Science, 2022, 606, 286-297.	5.0	25
2	Inâ€Situ Synergistic 2D/2D MXene/BCN Heterostructure for Superlative Energy Density Supercapacitor with Superâ€Long Life. Small, 2022, 18, e2106051.	5.2	42
3	Insights into 2D/2D MXene Heterostructures for Improved Synergy in Structure toward Nextâ€Generation Supercapacitors: A Review. Advanced Functional Materials, 2022, 32, .	7.8	152
4	One-step superficial electrodeposition of nickel-cobalt-sulfide for high-energy hybrid asymmetric supercapacitor. Materials Letters, 2022, 323, 132563.	1.3	12
5	CoS2 engulfed ultra-thin S-doped g-C3N4 and its enhanced electrochemical performance in hybrid asymmetric supercapacitor. Journal of Colloid and Interface Science, 2021, 584, 204-215.	5.0	84
6	A facile approach to fabricateSaccharum spontaneum-derived porous carbon-based supercapacitors for excellent energy storage performance in redox active electrolytes. Sustainable Energy and Fuels, 2021, 5, 518-531.	2.5	14
7	Redox-Additives in Aqueous, Non-Aqueous, and All-Solid-State Electrolytes for Carbon-Based Supercapacitor: A Mini-Review. Energy & Fuels, 2021, 35, 6465-6482.	2.5	64
8	One-Pot Hydrothermal Synthesis of Nickel Cobalt Telluride Nanorods for Hybrid Energy Storage Systems. Energy & Fuels, 2021, 35, 12527-12537.	2.5	29
9	Augmenting the electrochemical performance of NiMn2O4 by doping of transition metal ions and compositing with rGO. Journal of Colloid and Interface Science, 2021, 598, 409-418.	5.0	19
10	MnCo2S4 â€“ MXene: A novel hybrid electrode material for high performance long-life asymmetric supercapattery. Journal of Colloid and Interface Science, 2021, 600, 264-277.	5.0	57
11	TiO2/Carbon allotrope nanohybrids for supercapacitor application with theoretical insights from density functional theory. Applied Surface Science, 2021, 563, 150259.	3.1	14
12	Electrochemical Performance of Thespesia Populnea Seeds Derived Activated Carbon - Supercapacitor and Its Improved Specific Energy in Redox Additive Electrolytes. Journal of Energy Storage, 2020, 32, 101939.	3.9	30
13	Waste engine oil derived porous carbon/ZnS Nanocomposite as Bi-functional electrocatalyst for supercapacitor and oxygen reduction. Journal of Energy Storage, 2020, 32, 101774.	3.9	15
14	High-Performance High-Voltage Symmetric Supercapattery Based on a Graphitic Carbon Nitride/Bismuth Vanadate Nanocomposite. Energy & Fuels, 2020, 34, 16858-16869.	2.5	17
15	The fascinating supercapacitive performance of activated carbon electrodes with enhanced energy density in multifarious electrolytes. Sustainable Energy and Fuels, 2020, 4, 3029-3041.	2.5	60
16	Sandwich layered Li0.32Al0.68MnO2(OH)2 from spent Li-ion battery to build high-performance supercapacitor: Waste to energy storage approach. Journal of Alloys and Compounds, 2020, 827, 154336.	2.8	25
17	Hydrothermal synthesis of cobalt telluride nanorods for a high performance hybrid asymmetric supercapacitor. RSC Advances, 2020, 10, 13632-13641.	1.7	53
18	Waste Toner-Derived Carbon/Fe₃O₄ Nanocomposite for High-Performance Supercapacitor. ACS Omega, 2019, 4, 15798-15805.	1.6	56

#	Article	IF	Citations
19	Fabrication of 9.6â€‰V High-performance Asymmetric Supercapacitors Stack Based on Nickel Hexacyanoferrate-derived Ni(OH)2 Nanosheets and Bio-derived Activated Carbon. Scientific Reports, 2019, 9, 1104.	1.6	105
20	Synthesis of GNS-MnS hybrid nanocomposite for enhanced electrochemical energy storage applications. Materials Chemistry and Physics, 2019, 230, 249-257.	2.0	22
21	Facile synthesis of ZnO nanoflowers/reduced graphene oxide nanocomposite using zinc hexacyanoferrate for supercapacitor applications. Materials Letters, 2019, 236, 424-427.	1.3	45
22	Electrochemical investigation of manganese ferrites prepared via a facile synthesis route for supercapacitor applications. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 538, 668-677.	2.3	76
23	NiTe Nanorods as Electrode Material for High Performance Supercapacitor Applications. ChemistrySelect, 2018, 3, 9034-9040.	0.7	41
24	All-solid-state asymmetric supercapacitors based on cobalt hexacyanoferrate-derived CoS and activated carbon. RSC Advances, 2017, 7, 6648-6659.	1.7	184
25	Electrochemical Studies on Corncob Derived Activated Porous Carbon for Supercapacitors Application in Aqueous and Non-aqueous Electrolytes. Electrochimica Acta, 2017, 228, 586-596.	2.6	171
26	Soya derived heteroatom doped carbon as a promising platform for oxygen reduction, supercapacitor and CO2 capture. Carbon, 2017, 114, 679-689.	5.4	134
27	Biomass-Derived Activated Porous Carbon from Rice Straw for a High-Energy Symmetric Supercapacitor in Aqueous and Non-aqueous Electrolytes. Energy & Fuels, 2017, 31, 977-985.	2.5	291
28	Orange Peel Derived Activated Carbon for Fabrication of Highâ€Energy and Highâ€Rate Supercapacitors. ChemistrySelect, 2017, 2, 11384-11392.	0.7	103
29	Grapheneâ€Polymer//Grapheneâ€Manganese Oxide Nanocompositesâ€Based Asymmetric High Energy Supercapacitor with 1.8â€…V Cell Voltage in Aqueous Solution. ChemistrySelect, 2017, 2, 10754-10761.	0.7	17
30	Template Assisted Synthesis of Nitrogen doped 3D-Graphene for Supercapacitor Applications. Materials Today: Proceedings, 2017, 4, 12144-12151.	0.9	5
31	Facile and Scalable Ultraâ€“fine Cobalt Oxide/Reduced Graphene Oxide Nanocomposites for High Energy Asymmetric Supercapacitorsâ€. ChemistrySelect, 2016, 1, 3455-3467.	0.7	58
32	Aloe vera Derived Activated High-Surface-Area Carbon for Flexible and High-Energy Supercapacitors. ACS Applied Materials & Interfaces, 2016, 8, 35191-35202.	4.0	198
33	Facile and scalable route to sheets-on-sheet mesoporous Niâ€“Co-hydroxide/reduced graphene oxide nanocomposites and their electrochemical and magnetic properties. RSC Advances, 2016, 6, 15941-15951.	1.7	29
34	Manganese hexacyanoferrate derived Mn3O4 nanocubesâ€“reduced graphene oxide nanocomposites and their charge storage characteristics in supercapacitors. Physical Chemistry Chemical Physics, 2014, 16, 4952.	1.3	120