

Ramu Manikandan

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37
papers

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38
ext. papers

1,082
ext. citations

6.4
avg, IF

4.75
L-index

#	Paper	IF	Citations
37	A high performance PEDOT/PEDOT symmetric supercapacitor by facile in-situ hydrothermal polymerization of PEDOT nanostructures on flexible carbon fibre cloth electrodes. <i>Materials Today Energy</i> , 2017 , 6, 96-104	7	86
36	High electrochemical capacitor performance of oxygen and nitrogen enriched activated carbon derived from the pyrolysis and activation of squid gladius chitin. <i>Journal of Power Sources</i> , 2018 , 386, 66-76	8.9	79
35	Two-Dimensional Planar Supercapacitor Based on Zinc Oxide/Manganese Oxide Core/Shell Nano-architecture. <i>Electrochimica Acta</i> , 2017 , 247, 949-957	6.7	58
34	Electrochemical Behaviour of Lithium, Sodium and Potassium Ion Electrolytes in a Na _{0.33} V ₂ O ₅ Symmetric Pseudocapacitor with High Performance and High Cyclic Stability. <i>ChemElectroChem</i> , 2018 , 5, 101-111	4.3	43
33	Enhanced supercapacitive performances of functionalized activated carbon in novel gel polymer electrolytes with ionic liquid redox-mediated poly(vinyl alcohol)/phosphoric acid. <i>RSC Advances</i> , 2016 , 6, 75376-75383	3.7	41
32	A Self-Branched Lamination of Hierarchical Patronite Nanoarchitectures on Carbon Fiber Cloth as Novel Electrode for Ionic Liquid Electrolyte-Based High Energy Density Supercapacitors. <i>Advanced Functional Materials</i> , 2020 , 30, 1906586	15.6	38
31	Self-coupled nickel sulfide @ nickel vanadium sulfide nanostructure as a novel high capacity electrode material for supercapattery. <i>Applied Surface Science</i> , 2019 , 497, 143778	6.7	37
30	Pinecone biomass-derived activated carbon: the potential electrode material for the development of symmetric and asymmetric supercapacitors. <i>International Journal of Energy Research</i> , 2020 , 44, 8591-8605	4.5	37
29	Selective design of binder-free hierarchical nickel molybdenum sulfide as a novel battery-type material for hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 25467-25480	13	30
28	Cornhusk mesoporous activated carbon electrodes and seawater electrolyte: The sustainable sources for assembling retainable supercapacitor module. <i>Journal of Power Sources</i> , 2021 , 490, 229518	8.9	26
27	Selenium enriched hybrid metal chalcogenides with enhanced redox kinetics for high-energy density supercapacitors. <i>Chemical Engineering Journal</i> , 2021 , 414, 128924	14.7	25
26	Facile synthesis and capacitive properties of nickel-cobalt binary metal oxide nanoaggregates via oxalate route. <i>Journal of Alloys and Compounds</i> , 2016 , 674, 376-383	5.7	24
25	Rationally designed spider web-like trivanadium heptaoxide nanowires on carbon cloth as a new class of pseudocapacitive electrode for symmetric supercapacitors with high energy density and ultra-long cyclic stability. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 11390-11404	13	24
24	Engineering thermally activated NiMoO ₄ nanoflowers and biowaste derived activated carbon-based electrodes for high-performance supercapatteries. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 369-384	6.8	22
23	Electrochemical polymerization of chloride doped PEDOT hierarchical porous nanostructure on graphite as a potential electrode for high performance supercapacitor. <i>Electrochimica Acta</i> , 2020 , 354, 136669	6.7	21
22	High-performance flexible and wearable planar supercapacitor of manganese dioxide nanoflowers on carbon fiber cloth. <i>Ceramics International</i> , 2020 , 46, 21736-21743	5.1	19
21	Vanadium Pentoxide with H ₂ O, K ⁺ , and Na ⁺ Spacer between Layered Nanostructures for High-Performance Symmetric Electrochemical Capacitors. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1800041	4.6	19

20	Efficient supercapattery behavior of mesoporous hydrous and anhydrous cobalt molybdate nanostructures. <i>Journal of Alloys and Compounds</i> , 2019 , 789, 256-265	5.7	18
19	Direct fabrication of two-dimensional copper sulfide nanoplates on transparent conducting glass for planar supercapacitor. <i>Journal of Alloys and Compounds</i> , 2018 , 735, 2378-2383	5.7	18
18	Polycrystalline V ₂ O ₅ /Na _{0.33} V ₂ O ₅ electrode material for Li ⁺ ion redox supercapacitor. <i>Electrochimica Acta</i> , 2017 , 230, 492-500	6.7	17
17	Expeditious and eco-friendly hydrothermal polymerization of PEDOT nanoparticles for binder-free high performance supercapacitor electrodes. <i>RSC Advances</i> , 2016 , 6, 110433-110443	3.7	16
16	Evaporative successive ionic layer adsorption and reaction polymerization of PEDOT: a simple and cost effective technique for binder free supercapacitor electrodes. <i>Electrochimica Acta</i> , 2017 , 240, 231-238	6.7	15
15	Electrodeposition of vanadium pentoxide on carbon fiber cloth as a binder-free electrode for high-performance asymmetric supercapacitor. <i>Journal of Alloys and Compounds</i> , 2021 , 863, 158332	5.7	13
14	Polypyrrole thin film on electrochemically modified graphite surface for mechanically stable and high-performance supercapacitor electrodes. <i>Electrochimica Acta</i> , 2018 , 283, 1543-1550	6.7	12
13	High Energy Density Heteroatom (O, N and S) Enriched Activated Carbon for Rational Design of Symmetric Supercapacitors. <i>Chemistry - A European Journal</i> , 2021 , 27, 669-682	4.8	11
12	Post synthetic annealing of zeolitic imidazolate framework-67 for high-performance hybrid supercapacitors. <i>Applied Surface Science</i> , 2021 , 542, 148716	6.7	9
11	Electrochemical impedance spectroscopic studies on aging-dependent electrochemical degradation of p-toluene sulfonic acid-doped polypyrrole thin film. <i>Ionics</i> , 2018 , 24, 2335-2342	2.7	8
10	Zinc stannate nanoneedles for CdS/CdSe quantum dot sensitized solar cells. <i>Materials Letters</i> , 2013 , 111, 28-31	3.3	6
9	Improved Electrochemical Performance of Fe ₃ O ₄ Nanoparticles Decorated Activated Carbon Supercapacitor Electrodes. <i>Bulletin of the Korean Chemical Society</i> , 2020 , 41, 856-863	1.2	5
8	Sonoelectrochemical exfoliation of graphene in various electrolytic environments and their structural and electrochemical properties. <i>Carbon</i> , 2021 , 184, 266-276	10.4	5
7	In Vitro PET/MRI Diagnosis and Targeted Chemotherapy for Cancer Using Radiolabeled Nanoprobe : A Theragnostic Approach. <i>Bulletin of the Korean Chemical Society</i> , 2016 , 37, 886-892	1.2	3
6	Origin of capacitance decay for a flower-like MnO ₂ aqueous supercapacitor electrode: the quantitative surface and electrochemical analysis. <i>Journal of Alloys and Compounds</i> , 2021 , 162199	5.7	3
5	Template assisted synthesis of porous termite nest-like manganese cobalt phosphide as binder-free electrode for supercapacitors. <i>Electrochimica Acta</i> , 2021 , 393, 139060	6.7	3
4	Boron and nitrogen doped graphene quantum dots on a surface modified Cu mesh for the determination of dopamine and epinephrine. <i>Synthetic Metals</i> , 2021 , 278, 116831	3.6	2
3	HER2 inhibition efficiency of 6-amino-2-methyl-2-phenethyl-2H-benzopyran and feasibility of the ⁶⁴ Cu-labeled benzopyran derivative in cancer diagnosis. <i>New Journal of Chemistry</i> , 2019 , 43, 18657-18662	3.6	1

- 2 Rationally designed metal-organic framework templated iron-molybdenum sulfide for high energy density hybrid supercapacitors. *Applied Surface Science*, **2021**, 570, 151051 6.7 1
- 1 Oxides free materials for flexible and paper-based supercapacitors **2022**, 115-148