

Ncholu Manyala

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8612745/publications.pdf>

Version: 2024-02-01

176
papers

5,939
citations

57631

44
h-index

102304

66
g-index

179
all docs

179
docs citations

179
times ranked

6683
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetoresistance from quantum interference effects in ferromagnets. <i>Nature</i> , 2000, 404, 581-584.	13.7	205
2	Large anomalous Hall effect in a silicon-based magnetic semiconductor. <i>Nature Materials</i> , 2004, 3, 255-262.	13.3	202
3	Renewable pine cone biomass derived carbon materials for supercapacitor application. <i>RSC Advances</i> , 2016, 6, 1800-1809.	1.7	156
4	Microwave-Assisted Synthesis of High-Voltage Nanostructured $\text{LiMn}_{1.5}\text{Ni}_{0.5}\text{O}_4$ Spinel: Tuning the Mn^{3+} Content and Electrochemical Performance. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 7592-7598.	4.0	120
5	Symmetric supercapacitors based on porous 3D interconnected carbon framework. <i>Electrochimica Acta</i> , 2015, 151, 386-392.	2.6	118
6	Asymmetric supercapacitor based on VS_2 nanosheets and activated carbon materials. <i>RSC Advances</i> , 2016, 6, 38990-39000.	1.7	109
7	Chemical adsorption of NiO nanostructures on nickel foam-graphene for supercapacitor applications. <i>Journal of Materials Science</i> , 2013, 48, 6707-6712.	1.7	102
8	Hydrothermal synthesis of manganese phosphate/graphene foam composite for electrochemical supercapacitor applications. <i>Journal of Colloid and Interface Science</i> , 2017, 494, 325-337.	5.0	98
9	High performance asymmetric supercapacitor based on molybdenum disulphide/graphene foam and activated carbon from expanded graphite. <i>Journal of Colloid and Interface Science</i> , 2017, 488, 155-165.	5.0	97
10	Nickel-cobalt phosphate/graphene foam as enhanced electrode for hybrid supercapacitor. <i>Composites Part B: Engineering</i> , 2019, 174, 106953.	5.9	95
11	A high energy density asymmetric supercapacitor utilizing a nickel phosphate/graphene foam composite as the cathode and carbonized iron cations adsorbed onto polyaniline as the anode. <i>RSC Advances</i> , 2018, 8, 11608-11621.	1.7	90
12	Simonkolleite nano-platelets: Synthesis and temperature effect on hydrogen gas sensing properties. <i>Applied Surface Science</i> , 2012, 258, 7839-7843.	3.1	88
13	Structural and optical properties of nano-structured tungsten-doped ZnO thin films grown by pulsed laser deposition. <i>Applied Surface Science</i> , 2009, 255, 4153-4158.	3.1	86
14	High-performance symmetric electrochemical capacitor based on graphene foam and nanostructured manganese oxide. <i>AIP Advances</i> , 2013, 3, .	0.6	86
15	Preparation and characterization of porous carbon from expanded graphite for high energy density supercapacitor in aqueous electrolyte. <i>Journal of Power Sources</i> , 2016, 309, 245-253.	4.0	85
16	Activated carbon derived from tree bark biomass with promising material properties for supercapacitors. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 859-872.	1.2	84
17	Investigation of different aqueous electrolytes on the electrochemical performance of activated carbon-based supercapacitors. <i>RSC Advances</i> , 2015, 5, 107482-107487.	1.7	83
18	Manganese oxide/graphene oxide composites for high-energy aqueous asymmetric electrochemical capacitors. <i>Electrochimica Acta</i> , 2013, 110, 228-233.	2.6	82

#	ARTICLE	IF	CITATIONS
19	Synthesis and electrochemical investigation of spinel cobalt ferrite magnetic nanoparticles for supercapacitor application. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 835-847.	1.2	80
20	Effect of porosity enhancing agents on the electrochemical performance of high-energy ultracapacitor electrodes derived from peanut shell waste. <i>Scientific Reports</i> , 2019, 9, 13673.	1.6	80
21	Doping a semiconductor to create an unconventional metal. <i>Nature</i> , 2008, 454, 976-980.	13.7	79
22	Synthesis and characterization of porous carbon derived from activated banana peels with hierarchical porosity for improved electrochemical performance. <i>Electrochimica Acta</i> , 2018, 262, 187-196.	2.6	76
23	High performance asymmetric supercapacitor based on CoAl-LDH/GF and activated carbon from expanded graphite. <i>RSC Advances</i> , 2016, 6, 46723-46732.	1.7	70
24	Asymmetric supercapacitor based on activated expanded graphite and pinecone tree activated carbon with excellent stability. <i>Applied Energy</i> , 2017, 207, 417-426.	5.1	68
25	Asymmetric supercapacitor based on vanadium disulfide nanosheets as a cathode and carbonized iron cations adsorbed onto polyaniline as an anode. <i>Electrochimica Acta</i> , 2018, 260, 11-23.	2.6	68
26	Coniferous pine biomass: A novel insight into sustainable carbon materials for supercapacitors electrode. <i>Materials Chemistry and Physics</i> , 2016, 182, 139-147.	2.0	67
27	Asymmetric supercapacitor based on nanostructured graphene foam/polyvinyl alcohol/formaldehyde and activated carbon electrodes. <i>Journal of Power Sources</i> , 2015, 273, 305-311.	4.0	66
28	Thermochromic VO ₂ thin films synthesized by rf-inverted cylindrical magnetron sputtering. <i>Applied Surface Science</i> , 2008, 254, 3959-3963.	3.1	65
29	Synthesis of ternary NiCo-MnO ₂ nanocomposite and its application as a novel high energy supercapattery device. <i>Chemical Engineering Journal</i> , 2018, 335, 416-433.	6.6	64
30	Thermochromic nanocrystalline Au@VO ₂ composite thin films prepared by radiofrequency inverted cylindrical magnetron sputtering. <i>Thin Solid Films</i> , 2010, 518, 1641-1647.	0.8	62
31	Preparation and characterization of poly(vinyl alcohol)/graphene nanofibers synthesized by electrospinning. <i>Journal of Physics and Chemistry of Solids</i> , 2015, 77, 139-145.	1.9	62
32	Polypyrrole-Promoted rGO@MoS ₂ Nanocomposites for Enhanced Photocatalytic Conversion of CO ₂ and H ₂ O to CO, CH ₄ , and H ₂ Products. <i>ACS Applied Energy Materials</i> , 2020, 3, 9897-9909.	2.5	61
33	Ex-situ nitrogen-doped porous carbons as electrode materials for high performance supercapacitor. <i>Journal of Colloid and Interface Science</i> , 2020, 569, 332-345.	5.0	61
34	Silver nanoparticles decorated on a three-dimensional graphene scaffold for electrochemical applications. <i>Journal of Physics and Chemistry of Solids</i> , 2014, 75, 109-114.	1.9	59
35	Asymmetric supercapacitor based on an Ir-MoO ₃ cathode and porous activated carbon anode materials. <i>RSC Advances</i> , 2015, 5, 37462-37468.	1.7	59
36	Cycling and floating performance of symmetric supercapacitor derived from coconut shell biomass. <i>AIP Advances</i> , 2016, 6, .	0.6	58

#	ARTICLE	IF	CITATIONS
37	Electrochemical performance of two-dimensional Ti ₃ C ₂ -Mn ₃ O ₄ nanocomposites and carbonized iron cations for hybrid supercapacitor electrodes. <i>Electrochimica Acta</i> , 2019, 301, 487-499.	2.6	57
38	Stability studies of polypyrrole- derived carbon based symmetric supercapacitor via potentiostatic floating test. <i>Electrochimica Acta</i> , 2016, 213, 107-114.	2.6	56
39	High performance hybrid supercapacitor device based on cobalt manganese layered double hydroxide and activated carbon derived from cork (<i>Quercus Suber</i>). <i>Electrochimica Acta</i> , 2017, 252, 41-54.	2.6	54
40	Symmetric supercapacitor with supercapattery behavior based on carbonized iron cations adsorbed onto polyaniline. <i>Electrochimica Acta</i> , 2018, 262, 82-96.	2.6	52
41	Microwave assisted synthesis of MnO ₂ on nickel foam-graphene for electrochemical capacitor. <i>Electrochimica Acta</i> , 2013, 114, 48-53.	2.6	51
42	Pulsed laser deposited Cr ₂ O ₃ nanostructured thin film on graphene as anode material for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2015, 637, 219-225.	2.8	49
43	Structural, morphological and photoluminescence properties of W-doped ZnO nanostructures. <i>Applied Surface Science</i> , 2009, 255, 7314-7318.	3.1	47
44	High electrochemical performance of hierarchical porous activated carbon derived from lightweight cork (<i>Quercus suber</i>). <i>Journal of Materials Science</i> , 2017, 52, 10600-10613.	1.7	47
45	Synthesis of 3D porous carbon based on cheap polymers and graphene foam for high-performance electrochemical capacitors. <i>Electrochimica Acta</i> , 2015, 180, 442-450.	2.6	45
46	Comparison of ionic liquid electrolyte to aqueous electrolytes on carbon nanofibres supercapacitor electrode derived from oxygen-functionalized graphene. <i>Chemical Engineering Journal</i> , 2019, 375, 121906.	6.6	45
47	Synthesis of cobalt phosphate-graphene foam material via co-precipitation approach for a positive electrode of an asymmetric supercapacitors device. <i>Journal of Alloys and Compounds</i> , 2020, 818, 153332.	2.8	45
48	Competitive growth texture of pulsed laser deposited vanadium dioxide nanostructures on a glass substrate. <i>Acta Materialia</i> , 2014, 65, 32-41.	3.8	44
49	Three dimensional vanadium pentoxide/graphene foam composite as positive electrode for high performance asymmetric electrochemical supercapacitor. <i>Journal of Colloid and Interface Science</i> , 2018, 532, 395-406.	5.0	44
50	High energy and excellent stability asymmetric supercapacitor derived from sulphur-reduced graphene oxide/manganese dioxide composite and activated carbon from peanut shell. <i>Electrochimica Acta</i> , 2020, 353, 136498.	2.6	43
51	Effect of conductive additives to gel electrolytes on activated carbon-based supercapacitors. <i>AIP Advances</i> , 2015, 5, .	0.6	42
52	Stable ionic-liquid-based symmetric supercapacitors from Capsicum seed-porous carbons. <i>Journal of Electroanalytical Chemistry</i> , 2019, 838, 119-128.	1.9	42
53	Solvothermal synthesis of surfactant free spherical nickel hydroxide/graphene oxide composite for supercapacitor application. <i>Journal of Alloys and Compounds</i> , 2017, 721, 80-91.	2.8	42
54	Simonkolleite-graphene foam composites and their superior electrochemical performance. <i>Electrochimica Acta</i> , 2015, 151, 591-598.	2.6	40

#	ARTICLE	IF	CITATIONS
55	Electrochemical analysis of Co ₃ (PO ₄) ₂ ·4H ₂ O/graphene foam composite for enhanced capacity and long cycle life hybrid asymmetric capacitors. <i>Electrochimica Acta</i> , 2018, 283, 374-384.	2.6	40
56	Examination of High-Porosity Activated Carbon Obtained from Dehydration of White Sugar for Electrochemical Capacitor Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 537-546.	3.2	39
57	Graphene: Synthesis, Transfer, and Characterization for Dye-Sensitized Solar Cells Applications. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 14160-14168.	1.8	38
58	Preparation and electrochemical investigation of the cobalt hydroxide carbonate/activated carbon nanocomposite for supercapacitor applications. <i>Journal of Physics and Chemistry of Solids</i> , 2016, 88, 60-67.	1.9	37
59	A facile hydrothermal reflux synthesis of Ni(OH) ₂ /GF electrode for supercapacitor application. <i>Journal of Materials Science</i> , 2016, 51, 6041-6050.	1.7	36
60	High-performance symmetric supercapacitor device based on carbonized iron-polyaniline/nickel graphene foam. <i>Journal of Alloys and Compounds</i> , 2020, 819, 152993.	2.8	36
61	Electrochemical performance of polypyrrole derived porous activated carbon-based symmetric supercapacitors in various electrolytes. <i>RSC Advances</i> , 2016, 6, 68141-68149.	1.7	35
62	Microwave synthesis: Characterization and electrochemical properties of amorphous activated carbon-MnO ₂ nanocomposite electrodes. <i>Journal of Alloys and Compounds</i> , 2016, 681, 293-300.	2.8	35
63	Electrochemical properties of asymmetric supercapacitor based on optimized carbon-based nickel-cobalt-manganese ternary hydroxide and sulphur-doped carbonized iron-polyaniline electrodes. <i>Electrochimica Acta</i> , 2020, 334, 135610.	2.6	33
64	Sulphur-reduced graphene oxide composite with improved electrochemical performance for supercapacitor applications. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 13189-13201.	3.8	33
65	Low-field microwave absorption in pulse laser deposited FeSi thin film. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 1172-1176.	1.0	32
66	Investigation of graphene oxide nanogel and carbon nanorods as electrode for electrochemical supercapacitor. <i>Electrochimica Acta</i> , 2017, 245, 268-278.	2.6	32
67	Enhanced electrochemical response of activated carbon nanostructures from tree-bark biomass waste in polymer-gel active electrolytes. <i>RSC Advances</i> , 2017, 7, 37286-37295.	1.7	31
68	Functionalized graphene foam as electrode for improved electrochemical storage. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 2359-2365.	1.2	30
69	Synthesis and electrochemical characterization of pseudocapacitive $\text{Ni}^{1-x}\text{MoO}_3$ thin film as transparent electrode material in optoelectronic and energy storage devices. <i>Materials Chemistry and Physics</i> , 2021, 264, 124468.	2.0	30
70	A systematic study of the stability, electronic and optical properties of beryllium and nitrogen co-doped graphene. <i>Carbon</i> , 2018, 129, 207-227.	5.4	29
71	High-performance bimetallic Ni-Mn phosphate hybridized with 3-D graphene foam for novel hybrid supercapacitors. <i>Journal of Energy Storage</i> , 2020, 31, 101584.	3.9	29
72	Temperature-dependent growth mode of W-doped ZnO nanostructures. <i>Applied Surface Science</i> , 2011, 257, 6226-6232.	3.1	28

#	ARTICLE	IF	CITATIONS
73	Hydrothermal synthesis of simonkolleite microplatelets on nickel foam-graphene for electrochemical supercapacitors. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 2879-2886.	1.2	27
74	P3HT:PCBM/nickel-aluminum layered double hydroxide-graphene foam composites for supercapacitor electrodes. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 445-452.	1.2	26
75	Influence of K ₃ Fe(CN) ₆ on the electrochemical performance of carbon derived from waste tyres by K ₂ CO ₃ activation. <i>Materials Chemistry and Physics</i> , 2018, 209, 262-270.	2.0	26
76	Electrochemical analysis of nanoporous carbons derived from activation of polypyrrole for stable supercapacitors. <i>Journal of Materials Science</i> , 2018, 53, 5229-5241.	1.7	26
77	Electrochemical analysis of Na ⁺ -Ni bimetallic phosphate electrodes for supercapacitor applications. <i>RSC Advances</i> , 2019, 9, 25012-25021.	1.7	26
78	High-performance asymmetric supercapacitor based on vanadium dioxide and carbonized iron-polyaniline electrodes. <i>AIP Advances</i> , 2019, 9, .	0.6	26
79	High electrochemical performance of hybrid cobalt oxyhydroxide/nickel foam graphene. <i>Journal of Colloid and Interface Science</i> , 2016, 484, 77-85.	5.0	25
80	Effect of growth time on solvothermal synthesis of vanadium dioxide for electrochemical supercapacitor application. <i>Materials Chemistry and Physics</i> , 2018, 214, 192-200.	2.0	25
81	Waste chicken bone-derived porous carbon materials as high performance electrode for supercapacitor applications. <i>Journal of Energy Storage</i> , 2022, 51, 104378.	3.9	25
82	Microwave Irradiation Controls the Manganese Oxidation States of Nanostructured (Li _{0.2} Mn _{0.52} Ni _{0.13} Co _{0.13} Al _{0.02})O ₂) Layered Cathode Materials for High-Performance Lithium Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2015, 162, A768-A773.	1.3	24
83	Pullulan-ionic liquid-based supercapacitor: A novel, smart combination of components for an easy-to-dispose device. <i>Electrochimica Acta</i> , 2020, 338, 135872.	2.6	24
84	Effect of addition of different carbon materials on hydrogel derived carbon material for high performance electrochemical capacitors. <i>Electrochimica Acta</i> , 2015, 186, 277-284.	2.6	23
85	Effect of growth time of hydrothermally grown cobalt hydroxide carbonate on its supercapacitive performance. <i>Journal of Physics and Chemistry of Solids</i> , 2016, 94, 17-24.	1.9	23
86	Electrochemical performance of hybrid supercapacitor device based on birnessite-type manganese oxide decorated on uncapped carbon nanotubes and porous activated carbon nanostructures. <i>Electrochimica Acta</i> , 2018, 289, 363-375.	2.6	23
87	High-performance asymmetric supercapacitor based on vanadium dioxide/activated expanded graphite composite and carbon-vanadium oxynitride nanostructures. <i>Electrochimica Acta</i> , 2019, 316, 19-32.	2.6	23
88	Enhanced electrochemical performance of supercapattery derived from sulphur-reduced graphene oxide/cobalt oxide composite and activated carbon from peanut shells. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 33059-33075.	3.8	23
89	Nickel-copper graphene foam prepared by atmospheric pressure chemical vapour deposition for supercapacitor applications. <i>Surface and Coatings Technology</i> , 2020, 383, 125230.	2.2	22
90	Bullet-like microstructured nickel ammonium phosphate/graphene foam composite as positive electrode for asymmetric supercapacitors. <i>RSC Advances</i> , 2020, 10, 16349-16360.	1.7	22

#	ARTICLE	IF	CITATIONS
91	Valorization of biodigestor plant waste in electrodes for supercapacitors and microbial fuel cells. <i>Electrochimica Acta</i> , 2021, 391, 138960.	2.6	22
92	Nanoplatelets ammonium nickel-cobalt phosphate graphene foam composite as novel electrode material for hybrid supercapacitors. <i>Journal of Alloys and Compounds</i> , 2021, 883, 160897.	2.8	22
93	Asymmetric supercapacitor based on cobalt hydroxide carbonate/GF composite and a carbonized conductive polymer grafted with iron (C-FP). <i>Journal of Alloys and Compounds</i> , 2018, 769, 376-386.	2.8	21
94	Sustainable development of vanadium pentoxide carbon composites derived from Hibiscus sabdariffa family for application in supercapacitors. <i>Sustainable Energy and Fuels</i> , 2020, 4, 4814-4830.	2.5	21
95	A study of porous carbon structures derived from composite of cross-linked polymers and reduced graphene oxide for supercapacitor applications. <i>Journal of Energy Storage</i> , 2022, 51, 104476.	3.9	21
96	Polypyrrole/graphene nanocomposite: High conductivity and low percolation threshold. <i>Synthetic Metals</i> , 2014, 198, 101-106.	2.1	20
97	Gas sensing study of hydrothermal reflux synthesized NiO/graphene foam electrode for CO sensing. <i>Journal of Materials Science</i> , 2017, 52, 2035-2044.	1.7	20
98	Nanostructured porous carbons with high rate cycling and floating performance for supercapacitor application. <i>AIP Advances</i> , 2018, 8, .	0.6	20
99	Graphene foam-based electrochemical capacitors. <i>Current Opinion in Electrochemistry</i> , 2020, 21, 125-131.	2.5	20
100	Asymmetric Carbon Supercapacitor with Activated Expanded Graphite as Cathode and Pinecone Tree Activated Carbon as Anode Materials. <i>Energy Procedia</i> , 2017, 105, 4098-4103.	1.8	20
101	Exploring the stability and electronic structure of beryllium and sulphur co-doped graphene: a first principles study. <i>RSC Advances</i> , 2016, 6, 88392-88402.	1.7	19
102	Effect of activated carbon on the enhancement of CO sensing performance of NiO. <i>Journal of Alloys and Compounds</i> , 2017, 694, 155-162.	2.8	19
103	Onion-derived activated carbons with enhanced surface area for improved hydrogen storage and electrochemical energy application. <i>RSC Advances</i> , 2020, 10, 26928-26936.	1.7	19
104	Properties of graphite composites based on natural and synthetic graphite powders and a phenolic novolac binder. <i>Journal of Nuclear Materials</i> , 2013, 436, 76-83.	1.3	17
105	High-Energy Asymmetric Supercapacitor Based on the Nickel Cobalt Oxide (NiCo ₂ O ₄) Nanostructure Material and Activated Carbon Derived from Cocoa Pods. <i>Energy & Fuels</i> , 2021, 35, 20309-20319.	2.5	17
106	Photon-induced tunable and reversible wettability of pulsed laser deposited W-doped ZnO nanorods. <i>EPJ Applied Physics</i> , 2011, 55, 20501.	0.3	16
107	Deciphering the Structural, Textural, and Electrochemical Properties of Activated BN-Doped Spherical Carbons. <i>Nanomaterials</i> , 2019, 9, 446.	1.9	16
108	High specific energy asymmetric supercapacitor based on alpha-manganese dioxide/activated expanded graphite composite and activated carbon-polyvinyl alcohol. <i>Journal of Energy Storage</i> , 2020, 32, 101797.	3.9	16

#	ARTICLE	IF	CITATIONS
127	Effect of substrate temperature on the structure and the metal insulator transition in pulsed laser deposited VO ₂ films on soda lime glass. <i>Journal of Optics (India)</i> , 2015, 44, 36-44.	0.8	11
128	Microwave-assisted synthesis of cobalt sulphide nanoparticle clusters on activated graphene foam for electrochemical supercapacitors. <i>RSC Advances</i> , 2017, 7, 20231-20240.	1.7	11
129	Nonlinear optical absorption properties of porphyrins confined in Nafion membrane. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 96, 685-689.	1.1	10
130	Electrochemical measurements of 1D/2D/3D Ni-Co bi-phase mesoporous nanohybrids synthesized using free-template hydrothermal method. <i>Electrochimica Acta</i> , 2018, 275, 155-171.	2.6	10
131	Enhancing the electrochemical properties of a nickel-cobalt-manganese ternary hydroxide electrode using graphene foam for supercapacitors applications. <i>Materials for Renewable and Sustainable Energy</i> , 2021, 10, 1.	1.5	10
132	Preparation of coal fly ash derived metal organic frameworks and their carbon derivatives. <i>Materials Today Communications</i> , 2021, 27, 102433.	0.9	10
133	Novel Thermally Reduced Graphene Oxide Microsupercapacitor Fabricated via Mask-Free AxiDraw Direct Writing. <i>Nanomaterials</i> , 2021, 11, 1909.	1.9	10
134	Structural and magnetic properties of Fe _{1-x} Co _x Si thin films deposited via pulsed laser deposition. <i>Applied Physics Letters</i> , 2009, 94, 232503.	1.5	9
135	The influence of plasma dynamics on the growth of Sm _{0.55} Nd _{0.45} NiO ₃ solid solution during pulsed laser deposition. <i>Journal of Physics and Chemistry of Solids</i> , 2011, 72, 1218-1224.	1.9	9
136	Characterization of medium-temperature Sasol Lurgi gasifier coal tar pitch. <i>Fuel</i> , 2012, 98, 243-248.	3.4	9
137	Biosynthesis of ZnO Nanoparticles by Adansonia Digitata Leaves Dye Extract: Structural and Physical Properties. <i>MRS Advances</i> , 2018, 3, 2487-2497.	0.5	9
138	Single solid source precursor route to the synthesis of MOCVD Cu-Cd-S thin films. <i>Materials Research Express</i> , 2019, 6, 106442.	0.8	9
139	A study of Co-Mn phosphate supported with graphene foam as promising electrode materials for future electrochemical capacitors. <i>International Journal of Energy Research</i> , 2022, 46, 3080-3094.	2.2	9
140	A dilute Cu(Ni) alloy for synthesis of large-area Bernal stacked bilayer graphene using atmospheric pressure chemical vapour deposition. <i>Journal of Applied Physics</i> , 2016, 119, .	1.1	8
141	Mechanochemical approach in the synthesis of activated carbons from waste tyres and its hydrogen storage applications. <i>Materials Today: Proceedings</i> , 2018, 5, 10505-10513.	0.9	8
142	Effect of neutral electrolytes on vanadium dioxide microspheres-based electrode materials for asymmetric supercapacitors. <i>Journal of Energy Storage</i> , 2021, 43, 103294.	3.9	8
143	Recycling of biomass wastes from amarula husk by a modified facile economical water salt method for high energy density ultracapacitor application. <i>Journal of Energy Storage</i> , 2022, 53, 105166.	3.9	8
144	Rheological behavior and thermal properties of pitch/poly(vinyl chloride) blends. <i>Carbon</i> , 2013, 51, 64-71.	5.4	7

#	ARTICLE	IF	CITATIONS
145	A wafer-scale Bernal-stacked bilayer graphene film obtained on a dilute Cu (0.61 at% Ni) foil using atmospheric pressure chemical vapour deposition. RSC Advances, 2016, 6, 28370-28378.	1.7	7
146	Three dimensional modelling of the components in supercapacitors for proper understanding of the contribution of each parameter to the final electrochemical performance. Journal of Materials Chemistry A, 2018, 6, 17481-17487.	5.2	6
147	Nitridation Temperature Effect on Carbon Vanadium Oxynitrides for a Symmetric Supercapacitor. Nanomaterials, 2019, 9, 1762.	1.9	6
148	Niâ€Zn hydroxide-based bi-phase multiscale porous nanohybrids: physico-chemical properties. Applied Nanoscience (Switzerland), 2020, 10, 2467-2477.	1.6	6
149	Characterization of two-way fabricated hybrid metal-oxide nanostructured electrode materials for photovoltaic and miniaturized supercapacitor applications. Solid State Sciences, 2021, 119, 106699.	1.5	6
150	Tartrazine removal from water using functionalized multiwall carbon nanotubes. , 0, 67, 397-405.		6
151	Impact of Thermally Reducing Temperature on Graphene Oxide Thin Films and Microsupercapacitor Performance. Nanomaterials, 2022, 12, 2211.	1.9	6
152	Ab-initio study of the optical properties of beryllium-sulphur co-doped graphene. AIP Advances, 2019, 9, 025221.	0.6	5
153	Asymmetric supercapacitor based on novel coal fly ash derived metalâ€organic frameworks as positive electrode and its derived carbon as negative electrode. Journal of Applied Electrochemistry, 2022, 52, 821-834.	1.5	5
154	Raman spectroscopy and imaging of Bernalâ€stacked bilayer graphene synthesized on copper foil by chemical vapour deposition: growth dependence on temperature. Journal of Raman Spectroscopy, 2017, 48, 639-646.	1.2	4
155	Design and characterization of asymmetric supercapacitor useful in hybrid energy storage systems for electric vehicles. IFAC-PapersOnLine, 2017, 50, 83-87.	0.5	4
156	Green and scalable synthesis of 3D porous carbons microstructures as electrode materials for high rate capability supercapacitors. RSC Advances, 2018, 8, 40950-40961.	1.7	4
157	Electrochemical measurements of synthesized nanostructured $\text{Ni}(\text{OH})_2$ using hydrothermal process and activated carbon based nanoelectroactive materials. SN Applied Sciences, 2019, 1, 1.	1.5	4
158	Malathion-filled trilayer polyolefin film for malaria vector control. Materials Science and Engineering C, 2019, 96, 419-425.	3.8	4
159	Twoâ€step electrodeposition of Hausmannite sulphur reduced graphene oxide and cobaltâ€nickel layered double hydroxide heterostructure for highâ€performance supercapacitor. International Journal of Energy Research, 2022, 46, 11214-11227.	2.2	4
160	Pulsed laser liquid-solid interaction synthesis of Pt, Au, Ag and Cu nanosuspensions and their stability. International Journal of Nanoparticles, 2008, 1, 212.	0.1	3
161	Structural evolution and epitaxial stabilisation of pulsed laser deposited $\text{Sm}_{0.55}\text{Nd}_{0.45}\text{NiO}_3$ solid solution nanostructured films on undoped Si (1 0 0) and NdGaO_3 substrates. Journal of Physics and Chemistry of Solids, 2010, 71, 722-729.	1.9	3
162	Floating of PPY Derived Carbon Based Symmetric Supercapacitor in Alkaline Electrolyte. ECS Transactions, 2017, 75, 1-12.	0.3	3

#	ARTICLE	IF	CITATIONS
163	Effect of radiation on the performance of activated carbon base supercapacitor: Part I. Influence of microwave irradiation exposure on electrodes material. Energy Procedia, 2019, 158, 4554-4559.	1.8	3
164	Binary vanadium pentoxide carbon-graphene foam composites derived from dark red hibiscus sabdariffa for advanced asymmetric supercapacitor. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200347.	1.6	2
165	Combined Thermochromic And Plasmonic: Optical Responses In Novel Nanocomposite Au-VO ₂ Films Prepared By RF Inverted Cylindrical Magnetron Sputtering. AIP Conference Proceedings, 2008, , .	0.3	1
166	K-edge x-ray dichroism investigation of Fe ^{1/2} Co Si: Experimental evidence for spin polarization crossover. Journal of Magnetism and Magnetic Materials, 2015, 379, 274-279.	1.0	1
167	Influence of growth kinetics on graphene domains shape under atmospheric pressure chemical vapor deposition. Graphene Technology, 2020, 5, 75-81.	1.9	1
168	Characterization Of Fe _{1-x} Co _x Si Thin Films Deposited Via Pulsed Laser Deposition. AIP Conference Proceedings, 2008, , .	0.3	0
169	Infrared Active Sm _{1-x} Nd _x NiO ₃ Based Nano-Switchings For High Powers Laser Sources. AIP Conference Proceedings, 2008, , .	0.3	0
170	Effect of radiation on the performance of activated carbon base supercapacitor: Part II. Influence of electron irradiation exposure on full cell. Energy Procedia, 2019, 158, 4560-4565.	1.8	0
171	Transformation of Plant Biomass Waste into Resourceful Activated Carbon Materials for Mixed-Assembly Type Electrochemical Capacitors. ECS Meeting Abstracts, 2017, , .	0.0	0
172	A Wafer-Scale Bernal Stacked Bilayer Graphene Film Obtained on a Cu(0.5 %at Ni) Foil Using Atmospheric Pressure Vapour Deposition. ECS Meeting Abstracts, 2017, , .	0.0	0
173	Solvothermal Preparation of Microspherical Flowerlike Ni(OH) ₂ /Graphene Oxide Electrode for Electrochemical Capacitor Application. ECS Meeting Abstracts, 2017, , .	0.0	0
174	Carbon Monoxide Gas Sensing Study Using Hydrothermally Prepared NiO/Graphene Nanosheets Electrode. ECS Meeting Abstracts, 2017, , .	0.0	0
175	(Invited) Green Materials for Sustainable Supercapacitors. ECS Meeting Abstracts, 2019, , .	0.0	0
176	Influence of Ionic Liquid Electrolyte on Carbon Nanofibres Derived from Oxygen-Functionalized-Graphene for Novel Supercapacitors Electrode. ECS Meeting Abstracts, 2019, , .	0.0	0