

# Ncholu Manyala

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/8612745/ncholu-manyala-publications-by-year.pdf>

**Version:** 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

164  
papers

4,173  
citations

38  
h-index

56  
g-index

179  
ext. papers

5,032  
ext. citations

5.6  
avg. IF

5.83  
L-index

#	Paper	IF	Citations
164	Asymmetric supercapacitor based on novel coal fly ash derived metal-organic frameworks as positive electrode and its derived carbon as negative electrode. <i>Journal of Applied Electrochemistry</i> , <b>2022</b> , 52, 821	2.6	1
163	Waste chicken bone-derived porous carbon materials as high performance electrode for supercapacitor applications. <i>Journal of Energy Storage</i> , <b>2022</b> , 51, 104378	7.8	1
162	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> , <b>2022</b> , 51, 104476	7.8	0
161	Low temperature thermally reduced graphene oxide directly on Ni-Foam using atmospheric pressure-chemical vapour deposition for high performance supercapacitor application. <i>Journal of Energy Storage</i> , <b>2022</b> , 52, 104967	7.8	0
160	Effect of neutral electrolytes on vanadium dioxide microspheres-based electrode materials for asymmetric supercapacitors. <i>Journal of Energy Storage</i> , <b>2021</b> , 43, 103294	7.8	0
159	Effect of growth-time on electrochemical performance of birnessite manganese oxide ( $\text{MnO}_2$ ) as electrodes for supercapacitors: An insight into neutral aqueous electrolytes. <i>Journal of Energy Storage</i> , <b>2021</b> , 36, 102419	7.8	6
158	Enhanced Electrochemical Behavior of Peanut-Shell Activated Carbon/Molybdenum Oxide/Molybdenum Carbide Ternary Composites. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	2
157	Synthesis and electrochemical characterization of pseudocapacitive $\text{MoO}_3$ thin film as transparent electrode material in optoelectronic and energy storage devices. <i>Materials Chemistry and Physics</i> , <b>2021</b> , 264, 124468	4.4	8
156	Preparation of coal fly ash derived metal organic frameworks and their carbon derivatives. <i>Materials Today Communications</i> , <b>2021</b> , 27, 102433	2.5	4
155	Novel Thermally Reduced Graphene Oxide Microsupercapacitor Fabricated via Mask-Free AxiDraw Direct Writing. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	3
154	Tuning the Nanoporous Structure of Carbons Derived from the Composite of Cross-Linked Polymers for Charge Storage Applications. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 1763-1773	6.1	5
153	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> , <b>2021</b> , 10, 1	4.7	0
152	Characterization of two-way fabricated hybrid metal-oxide nanostructured electrode materials for photovoltaic and miniaturized supercapacitor applications. <i>Solid State Sciences</i> , <b>2021</b> , 119, 106699	3.4	1
151	Valorization of biodigester plant waste in electrodes for supercapacitors and microbial fuel cells. <i>Electrochimica Acta</i> , <b>2021</b> , 391, 138960	6.7	4
150	Binary vanadium pentoxide carbon-graphene foam composites derived from dark red hibiscus sabdariffa for advanced asymmetric supercapacitor. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2021</b> , 379, 20200347	3	1
149	Nanoplatelets ammonium nickel-cobalt phosphate graphene foam composite as novel electrode material for hybrid supercapacitors. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 883, 160897	5.7	2
148	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> , <b>2020</b> , 353, 136498	6.7	23

147	Hybrid electrochemical supercapacitor based on birnessite-type MnO <sub>2</sub> /carbon composite as the positive electrode and carbonized iron-polyaniline/nickel graphene foam as a negative electrode. <i>AIP Advances</i> , <b>2020</b> , 10, 065113	1.5	9
146	Sustainable development of vanadium pentoxide carbon composites derived from Hibiscus sabdariffa family for application in supercapacitors. <i>Sustainable Energy and Fuels</i> , <b>2020</b> , 4, 4814-4830	5.8	6
145	Ex-situ nitrogen-doped porous carbons as electrode materials for high performance supercapacitor. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 569, 332-345	9.3	33
144	Graphene foam based electrochemical capacitors. <i>Current Opinion in Electrochemistry</i> , <b>2020</b> , 21, 125-131	7.2	9
143	Pullulan-ionic liquid-based supercapacitor: A novel, smart combination of components for an easy-to-dispose device. <i>Electrochimica Acta</i> , <b>2020</b> , 338, 135872	6.7	14
142	Bullet-like microstructured nickel ammonium phosphate/graphene foam composite as positive electrode for asymmetric supercapacitors.. <i>RSC Advances</i> , <b>2020</b> , 10, 16349-16360	3.7	5
141	Preparation and Surface Characterization of Nanostructured MoO <sub>3</sub> /Co <sub>x</sub> O <sub>y</sub> and V <sub>2</sub> O <sub>5</sub> /Co <sub>x</sub> O <sub>y</sub> Interfacial Layers as Transparent Oxide Structures for Photoabsorption. <i>Journal of Electronic Materials</i> , <b>2020</b> , 49, 3837-3848	1.9	7
140	Sulphur-reduced graphene oxide composite with improved electrochemical performance for supercapacitor applications. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 13189-13201	6.7	13
139	High-performance symmetric supercapacitor device based on carbonized iron-polyaniline/nickel graphene foam. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 819, 152993	5.7	20
138	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> , <b>2020</b> , 334, 135610	6.7	19
137	Nickel-copper graphene foam prepared by atmospheric pressure chemical vapour deposition for supercapacitor applications. <i>Surface and Coatings Technology</i> , <b>2020</b> , 383, 125230	4.4	16
136	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> , <b>2020</b> , 818, 153332	5.7	23
135	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> , <b>2020</b> , 45, 33059-33075	6.7	11
134	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> , <b>2020</b> , 32, 101797	7.8	8
133	Onion-derived activated carbons with enhanced surface area for improved hydrogen storage and electrochemical energy application.. <i>RSC Advances</i> , <b>2020</b> , 10, 26928-26936	3.7	5
132	High-performance bimetallic Ni-Mn phosphate hybridized with 3-D graphene foam for novel hybrid supercapacitors. <i>Journal of Energy Storage</i> , <b>2020</b> , 31, 101584	7.8	10
131	Influence of growth kinetics on graphene domains shape under atmospheric pressure chemical vapor deposition. <i>Graphene Technology</i> , <b>2020</b> , 5, 75-81	1.8	1
130	Optical and electrochemical properties of iron oxide and hydroxide nanofibers synthesized using new template-free hydrothermal method. <i>Journal of Nanostructure in Chemistry</i> , <b>2020</b> , 10, 275-288	7.6	6

129	Polypyrrole-Promoted rGO/MoS <sub>2</sub> Nanocomposites for Enhanced Photocatalytic Conversion of CO <sub>2</sub> and H <sub>2</sub> O to CO, CH <sub>4</sub> , and H <sub>2</sub> Products. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 9897-9909	6.1	21
128	Ni/Zn hydroxide-based bi-phase multiscale porous nano hybrids: physico-chemical properties. <i>Applied Nanoscience (Switzerland)</i> , <b>2020</b> , 10, 2467-2477	3.3	1
127	Synthesis and optimisation of a novel graphene wool material by atmospheric pressure chemical vapour deposition. <i>Journal of Materials Science</i> , <b>2020</b> , 55, 545-564	4.3	11
126	A VO <sub>2</sub> based hybrid super-capacitor utilizing a highly concentrated aqueous electrolyte for increased potential window and capacity. <i>Electrochimica Acta</i> , <b>2020</b> , 345, 136225	6.7	6
125	Effect of radiation on the performance of activated carbon base supercapacitor: Part II. Influence of electron irradiation exposure on full cell. <i>Energy Procedia</i> , <b>2019</b> , 158, 4560-4565	2.3	
124	Effect of radiation on the performance of activated carbon base supercapacitor: Part I. Influence of microwave irradiation exposure on electrodes material. <i>Energy Procedia</i> , <b>2019</b> , 158, 4554-4559	2.3	3
123	Effect of porosity enhancing agents on the electrochemical performance of high-energy ultracapacitor electrodes derived from peanut shell waste. <i>Scientific Reports</i> , <b>2019</b> , 9, 13673	4.9	39
122	Electrochemical performance of two-dimensional Ti <sub>3</sub> C <sub>2</sub> -Mn <sub>3</sub> O <sub>4</sub> nanocomposites and carbonized iron cations for hybrid supercapacitor electrodes. <i>Electrochimica Acta</i> , <b>2019</b> , 301, 487-499	6.7	38
121	High-performance asymmetric supercapacitor based on vanadium dioxide/activated expanded graphite composite and carbon-vanadium oxynitride nanostructures. <i>Electrochimica Acta</i> , <b>2019</b> , 316, 19-32	6.7	11
120	Comparison of ionic liquid electrolyte to aqueous electrolytes on carbon nanofibres supercapacitor electrode derived from oxygen-functionalized graphene. <i>Chemical Engineering Journal</i> , <b>2019</b> , 375, 121906	14.7	27
119	Nickel-cobalt phosphate/graphene foam as enhanced electrode for hybrid supercapacitor. <i>Composites Part B: Engineering</i> , <b>2019</b> , 174, 106953	10	46
118	High-performance asymmetric supercapacitor based on vanadium dioxide and carbonized iron-polyaniline electrodes. <i>AIP Advances</i> , <b>2019</b> , 9, 055309	1.5	12
117	Deciphering the Structural, Textural, and Electrochemical Properties of Activated BN-Doped Spherical Carbons. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	7
116	Ab-initio study of the optical properties of beryllium-sulphur co-doped graphene. <i>AIP Advances</i> , <b>2019</b> , 9, 025221	1.5	3
115	Stable ionic-liquid-based symmetric supercapacitors from Capsicum seed-porous carbons. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 838, 119-128	4.1	27
114	Electrochemical analysis of Na-Ni bimetallic phosphate electrodes for supercapacitor applications. <i>RSC Advances</i> , <b>2019</b> , 9, 25012-25021	3.7	8
113	Characterization of 167 MeV Xe ion irradiated n-type 4H-SiC. <i>Applied Surface Science</i> , <b>2019</b> , 493, 1291-1298	2.8	6
112	Single solid source precursor route to the synthesis of MOCVD Cu-Cd-S thin films. <i>Materials Research Express</i> , <b>2019</b> , 6, 106442	1.7	5

111	Nitridation Temperature Effect on Carbon Vanadium Oxynitrides for a Symmetric Supercapacitor. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	5
110	Electrochemical measurements of synthesized nanostructured ENi(OH)2 using hydrothermal process and activated carbon based nanoelectroactive materials. <i>SN Applied Sciences</i> , <b>2019</b> , 1, 1	1.8	2
109	Examination of High-Porosity Activated Carbon Obtained from Dehydration of White Sugar for Electrochemical Capacitor Applications. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 537-546	8.3	26
108	Malathion-filled trilayer polyolefin film for malaria vector control. <i>Materials Science and Engineering C</i> , <b>2019</b> , 96, 419-425	8.3	2
107	Transformation of Plant Biomass Waste into Resourceful Activated Carbon Nanostructures for Mixed-Assembly Type Electrochemical Capacitors. <i>Waste and Biomass Valorization</i> , <b>2019</b> , 10, 1741-1753	3.2	9
106	Influence of K3Fe(CN)6 on the electrochemical performance of carbon derived from waste tyres by K2CO3 activation. <i>Materials Chemistry and Physics</i> , <b>2018</b> , 209, 262-270	4.4	13
105	Electrochemical measurements of 1D/2D/3D Ni-Co bi-phase mesoporous nanohybrids synthesized using free-template hydrothermal method. <i>Electrochimica Acta</i> , <b>2018</b> , 275, 155-171	6.7	8
104	Electrochemical analysis of nanoporous carbons derived from activation of polypyrrole for stable supercapacitors. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 5229-5241	4.3	23
103	Synthesis and characterization of porous carbon derived from activated banana peels with hierarchical porosity for improved electrochemical performance. <i>Electrochimica Acta</i> , <b>2018</b> , 262, 187-196	6.7	51
102	Symmetric supercapacitor with supercapattery behavior based on carbonized iron cations adsorbed onto polyaniline. <i>Electrochimica Acta</i> , <b>2018</b> , 262, 82-96	6.7	38
101	Effect of growth time on solvothermal synthesis of vanadium dioxide for electrochemical supercapacitor application. <i>Materials Chemistry and Physics</i> , <b>2018</b> , 214, 192-200	4.4	14
100	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> , <b>2018</b> , 8, 11608-11621	3.7	52
99	Biosynthesis of ZnO Nanoparticles by Adansonia Digitata Leaves Dye Extract: Structural and Physical Properties. <i>MRS Advances</i> , <b>2018</b> , 3, 2487-2497	0.7	5
98	Synthesis of ternary NiCo-MnO2 nanocomposite and its application as a novel high energy supercapattery device. <i>Chemical Engineering Journal</i> , <b>2018</b> , 335, 416-433	14.7	44
97	Three dimensional modelling of the components in supercapacitors for proper understanding of the contribution of each parameter to the final electrochemical performance. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 17481-17487	13	5
96	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> , <b>2018</b> , 769, 376-386	5.7	15
95	Three dimensional vanadium pentoxide/graphene foam composite as positive electrode for high performance asymmetric electrochemical supercapacitor. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 532, 395-406	9.3	34
94	Utilization of waste tyres pyrolysis oil vapour in the synthesis of Zeolite Templated Carbons (ZTCs) for hydrogen storage application. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2018</b> , 53, 1022-1028	2.3	5

93	Nanostructured porous carbons with high rate cycling and floating performance for supercapacitor application. <i>AIP Advances</i> , <b>2018</b> , 8, 055208	1.5	13
92	A systematic study of the stability, electronic and optical properties of beryllium and nitrogen co-doped graphene. <i>Carbon</i> , <b>2018</b> , 129, 207-227	10.4	21
91	Synthesis and electrochemical investigation of spinel cobalt ferrite magnetic nanoparticles for supercapacitor application. <i>Journal of Solid State Electrochemistry</i> , <b>2018</b> , 22, 835-847	2.6	50
90	Asymmetric supercapacitor based on vanadium disulfide nanosheets as a cathode and carbonized iron cations adsorbed onto polyaniline as an anode. <i>Electrochimica Acta</i> , <b>2018</b> , 260, 11-23	6.7	50
89	Mechanochemical approach in the synthesis of activated carbons from waste tyres and its hydrogen storage applications. <i>Materials Today: Proceedings</i> , <b>2018</b> , 5, 10505-10513	1.4	6
88	Green and scalable synthesis of 3D porous carbons microstructures as electrode materials for high rate capability supercapacitors.. <i>RSC Advances</i> , <b>2018</b> , 8, 40950-40961	3.7	1
87	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> , <b>2018</b> , 289, 363-375	6.7	19
86	Preparation of carbon nanofibers/tubes using waste tyres pyrolysis oil and coal fly ash derived catalyst. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2018</b> , 53, 1115-1122	2.3	10
85	Electrochemical analysis of Co <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> ·4H <sub>2</sub> O/graphene foam composite for enhanced capacity and long cycle life hybrid asymmetric capacitors. <i>Electrochimica Acta</i> , <b>2018</b> , 283, 374-384	6.7	22
84	Raman spectroscopy and imaging of Bernal-stacked bilayer graphene synthesized on copper foil by chemical vapour deposition: growth dependence on temperature. <i>Journal of Raman Spectroscopy</i> , <b>2017</b> , 48, 639-646	2.3	4
83	Floating of PPY Derived Carbon Based Symmetric Supercapacitor in Alkaline Electrolyte. <i>ECS Transactions</i> , <b>2017</b> , 75, 1-12	1	2
82	Hydrothermal synthesis of manganese phosphate/graphene foam composite for electrochemical supercapacitor applications. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 494, 325-337	9.3	67
81	High electrochemical performance of hierarchical porous activated carbon derived from lightweight cork ( <i>Quercus suber</i> ). <i>Journal of Materials Science</i> , <b>2017</b> , 52, 10600-10613	4.3	27
80	Asymmetric supercapacitor based on activated expanded graphite and pinecone tree activated carbon with excellent stability. <i>Applied Energy</i> , <b>2017</b> , 207, 417-426	10.7	58
79	Investigation of graphene oxide nanogel and carbon nanorods as electrode for electrochemical supercapacitor. <i>Electrochimica Acta</i> , <b>2017</b> , 245, 268-278	6.7	26
78	Microwave-assisted synthesis of cobalt sulphide nanoparticle clusters on activated graphene foam for electrochemical supercapacitors. <i>RSC Advances</i> , <b>2017</b> , 7, 20231-20240	3.7	7
77	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> , <b>2017</b> , 252, 41-54	6.7	39
76	Enhanced electrochemical response of activated carbon nanostructures from tree-bark biomass waste in polymer-gel active electrolytes. <i>RSC Advances</i> , <b>2017</b> , 7, 37286-37295	3.7	22

75	High performance asymmetric supercapacitor based on molybdenum disulphide/graphene foam and activated carbon from expanded graphite. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 488, 155-165	8.3	71
74	Gas sensing study of hydrothermal reflux synthesized NiO/graphene foam electrode for CO sensing. <i>Journal of Materials Science</i> , <b>2017</b> , 52, 2035-2044	4.3	17
73	Activated carbon derived from tree bark biomass with promising material properties for supercapacitors. <i>Journal of Solid State Electrochemistry</i> , <b>2017</b> , 21, 859-872	2.6	63
72	Effect of activated carbon on the enhancement of CO sensing performance of NiO. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 694, 155-162	5.7	13
71	Design and characterization of asymmetric supercapacitor useful in hybrid energy storage systems for electric vehicles. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 83-87	0.7	3
70	Asymmetric Carbon Supercapacitor with Activated Expanded Graphite as Cathode and Pinecone Tree Activated Carbon as Anode Materials. <i>Energy Procedia</i> , <b>2017</b> , 105, 4098-4103	2.3	14
69	Solvothermal synthesis of surfactant free spherical nickel hydroxide/graphene oxide composite for supercapacitor application. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 721, 80-91	5.7	32
68	Preparation and electrochemical investigation of the cobalt hydroxide carbonate/activated carbon nanocomposite for supercapacitor applications. <i>Journal of Physics and Chemistry of Solids</i> , <b>2016</b> , 88, 60-67	3.9	26
67	Coniferous pine biomass: A novel insight into sustainable carbon materials for supercapacitors electrode. <i>Materials Chemistry and Physics</i> , <b>2016</b> , 182, 139-147	4.4	43
66	Exploring the stability and electronic structure of beryllium and sulphur co-doped graphene: a first principles study. <i>RSC Advances</i> , <b>2016</b> , 6, 88392-88402	3.7	17
65	Raman analysis of bilayer graphene film prepared on commercial Cu(0.5 at% Ni) foil. <i>Journal of Raman Spectroscopy</i> , <b>2016</b> , 47, 553-559	2.3	14
64	Renewable pine cone biomass derived carbon materials for supercapacitor application. <i>RSC Advances</i> , <b>2016</b> , 6, 1800-1809	3.7	117
63	Effect of growth time of hydrothermally grown cobalt hydroxide carbonate on its supercapacitive performance. <i>Journal of Physics and Chemistry of Solids</i> , <b>2016</b> , 94, 17-24	3.9	19
62	Preparation and characterization of porous carbon from expanded graphite for high energy density supercapacitor in aqueous electrolyte. <i>Journal of Power Sources</i> , <b>2016</b> , 309, 245-253	8.9	70
61	Electrochemical performance of polypyrrole derived porous activated carbon-based symmetric supercapacitors in various electrolytes. <i>RSC Advances</i> , <b>2016</b> , 6, 68141-68149	3.7	29
60	Stability studies of polypyrrole- derived carbon based symmetric supercapacitor via potentiostatic floating test. <i>Electrochimica Acta</i> , <b>2016</b> , 213, 107-114	6.7	45
59	Cycling and floating performance of symmetric supercapacitor derived from coconut shell biomass. <i>AIP Advances</i> , <b>2016</b> , 6, 115306	1.5	44
58	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> , <b>2016</b> , 119, 015306	2.5	7

57	Asymmetric supercapacitor based on VS <sub>2</sub> nanosheets and activated carbon materials. <i>RSC Advances</i> , <b>2016</b> , 6, 38990-39000	3.7	81
56	A facile hydrothermal reflux synthesis of Ni(OH) <sub>2</sub> /GF electrode for supercapacitor application. <i>Journal of Materials Science</i> , <b>2016</b> , 51, 6041-6050	4.3	29
55	Microwave synthesis: Characterization and electrochemical properties of amorphous activated carbon-MnO <sub>2</sub> nanocomposite electrodes. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 681, 293-300	5.7	28
54	A wafer-scale Bernal-stacked bilayer graphene film obtained on a dilute Cu (0.61 at% Ni) foil using atmospheric pressure chemical vapour deposition. <i>RSC Advances</i> , <b>2016</b> , 6, 28370-28378	3.7	7
53	High performance asymmetric supercapacitor based on CoAl-LDH/GF and activated carbon from expanded graphite. <i>RSC Advances</i> , <b>2016</b> , 6, 46723-46732	3.7	54
52	High electrochemical performance of hybrid cobalt oxyhydroxide/nickel foam graphene. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 484, 77-85	9.3	15
51	Effect of substrate temperature on the structure and the metal insulator transition in pulsed laser deposited V <sub>2</sub> O <sub>5</sub> films on soda lime glass. <i>Journal of Optics (India)</i> , <b>2015</b> , 44, 36-44	1.3	9
50	Electrochemical Studies of Microwave Synthesised Bimetallic Sulfides Nanostructures As Faradaic Electrodes.. <i>Electrochimica Acta</i> , <b>2015</b> , 174, 778-786	6.7	11
49	Asymmetric supercapacitor based on an HMoO <sub>3</sub> cathode and porous activated carbon anode materials. <i>RSC Advances</i> , <b>2015</b> , 5, 37462-37468	3.7	47
48	Pulsed laser deposited Cr <sub>2</sub> O <sub>3</sub> nanostructured thin film on graphene as anode material for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 637, 219-225	5.7	39
47	Synthesis of 3D porous carbon based on cheap polymers and graphene foam for high-performance electrochemical capacitors. <i>Electrochimica Acta</i> , <b>2015</b> , 180, 442-450	6.7	36
46	Effect of addition of different carbon materials on hydrogel derived carbon material for high performance electrochemical capacitors. <i>Electrochimica Acta</i> , <b>2015</b> , 186, 277-284	6.7	12
45	Symmetric supercapacitors based on porous 3D interconnected carbon framework. <i>Electrochimica Acta</i> , <b>2015</b> , 151, 386-392	6.7	103
44	Simonkolleite-graphene foam composites and their superior electrochemical performance. <i>Electrochimica Acta</i> , <b>2015</b> , 151, 591-598	6.7	36
43	Preparation and characterization of poly(vinyl alcohol)/graphene nanofibers synthesized by electrospinning. <i>Journal of Physics and Chemistry of Solids</i> , <b>2015</b> , 77, 139-145	3.9	47
42	P3HT:PCBM/nickel-aluminum layered double hydroxide-graphene foam composites for supercapacitor electrodes. <i>Journal of Solid State Electrochemistry</i> , <b>2015</b> , 19, 445-452	2.6	19
41	Asymmetric supercapacitor based on nanostructured graphene foam/polyvinyl alcohol/formaldehyde and activated carbon electrodes. <i>Journal of Power Sources</i> , <b>2015</b> , 273, 305-311	8.9	59
40	Effect of conductive additives to gel electrolytes on activated carbon-based supercapacitors. <i>AIP Advances</i> , <b>2015</b> , 5, 097171	1.5	32



39	Investigation of different aqueous electrolytes on the electrochemical performance of activated carbon-based supercapacitors. <i>RSC Advances</i> , <b>2015</b> , 5, 107482-107487	3.7	66
38	Microwave Irradiation Controls the Manganese Oxidation States of Nanostructured (Li[Li <sub>0.2</sub> Mn <sub>0.52</sub> Ni <sub>0.13</sub> Co <sub>0.13</sub> Al <sub>0.02</sub> ]O <sub>2</sub> ) Layered Cathode Materials for High-Performance Lithium Ion Batteries. <i>Journal of the Electrochemical Society</i> , <b>2015</b> , 162, A768-A773	3.9	19
37	K-edge x-ray dichroism investigation of Fe <sup>100</sup> to Si: Experimental evidence for spin polarization crossover. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2015</b> , 379, 274-279	2.8	1
36	Functionalized graphene foam as electrode for improved electrochemical storage. <i>Journal of Solid State Electrochemistry</i> , <b>2014</b> , 18, 2359-2365	2.6	23
35	Solvothermal synthesis of NiAl double hydroxide microspheres on a nickel foam-graphene as an electrode material for pseudo-capacitors. <i>AIP Advances</i> , <b>2014</b> , 4, 097122	1.5	12
34	Polypyrrole/graphene nanocomposite: High conductivity and low percolation threshold. <i>Synthetic Metals</i> , <b>2014</b> , 198, 101-106	3.6	18
33	Silver nanoparticles decorated on a three-dimensional graphene scaffold for electrochemical applications. <i>Journal of Physics and Chemistry of Solids</i> , <b>2014</b> , 75, 109-114	3.9	52
32	Competitive growth texture of pulsed laser deposited vanadium dioxide nanostructures on a glass substrate. <i>Acta Materialia</i> , <b>2014</b> , 65, 32-41	8.4	36
31	Microwave assisted synthesis of MnO <sub>2</sub> on nickel foam-graphene for electrochemical capacitor. <i>Electrochimica Acta</i> , <b>2013</b> , 114, 48-53	6.7	44
30	Manganese oxide/graphene oxide composites for high-energy aqueous asymmetric electrochemical capacitors. <i>Electrochimica Acta</i> , <b>2013</b> , 110, 228-233	6.7	77
29	Graphene: Synthesis, Transfer, and Characterization for Dye-Sensitized Solar Cells Applications. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 14160-14168	3.9	30
28	Microwave-assisted synthesis of high-voltage nanostructured LiMn <sub>1.5</sub> Ni <sub>0.5</sub> O <sub>4</sub> spinel: tuning the Mn <sup>3+</sup> content and electrochemical performance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 7592-8095	9.5	99
27	High-performance symmetric electrochemical capacitor based on graphene foam and nanostructured manganese oxide. <i>AIP Advances</i> , <b>2013</b> , 3, 082118	1.5	73
26	Growth of graphene underlayers by chemical vapor deposition. <i>AIP Advances</i> , <b>2013</b> , 3, 112126	1.5	11
25	Properties of graphite composites based on natural and synthetic graphite powders and a phenolic novolac binder. <i>Journal of Nuclear Materials</i> , <b>2013</b> , 436, 76-83	3.3	13
24	Rheological behavior and thermal properties of pitch/poly(vinyl chloride) blends. <i>Carbon</i> , <b>2013</b> , 51, 64-71	10.4	6
23	Chemical adsorption of NiO nanostructures on nickel foam-graphene for supercapacitor applications. <i>Journal of Materials Science</i> , <b>2013</b> , 48, 6707-6712	4.3	88
22	Hydrothermal synthesis of simonkolleite microplatelets on nickel foam-graphene for electrochemical supercapacitors. <i>Journal of Solid State Electrochemistry</i> , <b>2013</b> , 17, 2879-2886	2.6	24

21	Low-field microwave absorption in pulse laser deposited FeSi thin film. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2012</b> , 324, 1172-1176	2.8	26
20	Simonkolleite nano-platelets: Synthesis and temperature effect on hydrogen gas sensing properties. <i>Applied Surface Science</i> , <b>2012</b> , 258, 7839-7843	6.7	72
19	Characterization of medium-temperature SasolLurgi gasifier coal tar pitch. <i>Fuel</i> , <b>2012</b> , 98, 243-248	7.1	8
18	Photon-induced tunable and reversible wettability of pulsed laser deposited W-doped ZnO nanorods. <i>EPJ Applied Physics</i> , <b>2011</b> , 55, 20501	1.1	12
17	The influence of plasma dynamics on the growth of Sm <sub>0.55</sub> Nd <sub>0.45</sub> NiO <sub>3</sub> solid solution during pulsed laser deposition. <i>Journal of Physics and Chemistry of Solids</i> , <b>2011</b> , 72, 1218-1224	3.9	7
16	Temperature-dependent growth mode of W-doped ZnO nanostructures. <i>Applied Surface Science</i> , <b>2011</b> , 257, 6226-6232	6.7	23
15	Pressure-induced quantum phase transition in Fe <sub>1-x</sub> CoxSi (x=0.1,0.2). <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	9
14	Structural evolution and epitaxial stabilisation of pulsed laser deposited Sm <sub>0.55</sub> Nd <sub>0.45</sub> NiO <sub>3</sub> solid solution nanostructured films on undoped Si (1 0 0) and NdGaO <sub>3</sub> substrates. <i>Journal of Physics and Chemistry of Solids</i> , <b>2010</b> , 71, 722-729	3.9	2
13	Thermochromic nanocrystalline AuVO <sub>2</sub> composite thin films prepared by radiofrequency inverted cylindrical magnetron sputtering. <i>Thin Solid Films</i> , <b>2010</b> , 518, 1641-1647	2.2	54
12	Structural and magnetic properties of Fe <sub>1-x</sub> CoxSi thin films deposited via pulsed laser deposition. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 232503	3.4	9
11	Structural and optical properties of nano-structured tungsten-doped ZnO thin films grown by pulsed laser deposition. <i>Applied Surface Science</i> , <b>2009</b> , 255, 4153-4158	6.7	64
10	Nonlinear optical absorption properties of porphyrins confined in Nafion membrane. <i>Applied Physics A: Materials Science and Processing</i> , <b>2009</b> , 96, 685-689	2.6	8
9	Structural, morphological and photoluminescence properties of W-doped ZnO nanostructures. <i>Applied Surface Science</i> , <b>2009</b> , 255, 7314-7318	6.7	36
8	Doping a semiconductor to create an unconventional metal. <i>Nature</i> , <b>2008</b> , 454, 976-80	50.4	67
7	Combined Thermochromic And Plasmonic: Optical Responses In Novel Nanocomposite Au-VO <sub>2</sub> Films Prepared By RF Inverted Cylindrical Magnetron Sputtering. <i>AIP Conference Proceedings</i> , <b>2008</b> ,	0	1
6	Pulsed laser liquid-solid interaction synthesis of Pt, Au, Ag and Cu nanosuspensions and their stability. <i>International Journal of Nanoparticles</i> , <b>2008</b> , 1, 212	0.4	3
5	Thermochromic VO <sub>2</sub> thin films synthesized by rf-inverted cylindrical magnetron sputtering. <i>Applied Surface Science</i> , <b>2008</b> , 254, 3959-3963	6.7	51
4	Large anomalous Hall effect in a silicon-based magnetic semiconductor. <i>Nature Materials</i> , <b>2004</b> , 3, 255-627		175

3	Magnetoresistance from quantum interference effects in ferromagnets. <i>Nature</i> , <b>2000</b> , 404, 581-4	50.4	188
2	High-Energy Asymmetric Supercapacitor Based on the Nickel Cobalt Oxide (NiCo <sub>2</sub> O <sub>4</sub> ) Nanostructure Material and Activated Carbon Derived from Cocoa Pods. <i>Energy &amp; Fuels</i> ,	4.1	3
1	Tartrazine removal from water using functionalized multiwall carbon nanotubes	67, 397-405	4