

Fatin Saiha Omar

List of Publications by Year in descending order

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39
papers

2,169
citations

394286

19
h-index

302012

39
g-index

40
all docs

40
docs citations

40
times ranked

2610
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene and its nanocomposite material based electrochemical sensor platform for dopamine. RSC Advances, 2014, 4, 63296-63323.	1.7	272
2	Facile sonochemical synthesis of nanostructured NiO with different particle sizes and its electrochemical properties for supercapacitor application. Journal of Colloid and Interface Science, 2016, 471, 136-144.	5.0	171
3	Ultrahigh capacitance of amorphous nickel phosphate for asymmetric supercapacitor applications. RSC Advances, 2016, 6, 76298-76306.	1.7	167
4	Facile fabrication of cobalt oxide nanograin-decorated reduced graphene oxide composite as ultrasensitive platform for dopamine detection. Sensors and Actuators B: Chemical, 2017, 238, 1043-1051.	4.0	163
5	Binary composite of polyaniline/copper cobaltite for high performance asymmetric supercapacitor application. Electrochimica Acta, 2017, 227, 41-48.	2.6	161
6	Enhanced electrochemical performance of cobalt oxide nanocube intercalated reduced graphene oxide for supercapacitor application. RSC Advances, 2016, 6, 34894-34902.	1.7	131
7	A promising binary nanocomposite of zinc cobaltite intercalated with polyaniline for supercapacitor and hydrazine sensor. Journal of Alloys and Compounds, 2017, 716, 96-105.	2.8	121
8	Enhancing rate capability of amorphous nickel phosphate supercapattery electrode via composition with crystalline silver phosphate. Electrochimica Acta, 2018, 273, 216-228.	2.6	121
9	Conducting polymer and its composite materials based electrochemical sensor for Nicotinamide Adenine Dinucleotide (NADH). Biosensors and Bioelectronics, 2016, 79, 763-775.	5.3	88
10	An enhanced performance of hybrid supercapacitor based on polyaniline-manganese phosphate binary composite. Journal of Solid State Electrochemistry, 2017, 21, 3205-3213.	1.2	79
11	Microwave Synthesis of Zinc Oxide/Reduced Graphene Oxide Hybrid for Adsorption-Photocatalysis Application. International Journal of Photoenergy, 2014, 2014, 1-8.	1.4	70
12	Sonochemical synthesis of nanostructured nickel hydroxide as an electrode material for improved electrochemical energy storage application. Progress in Natural Science: Materials International, 2017, 27, 416-423.	1.8	54
13	Influence of acrylic acid on ethylene carbonate/dimethyl carbonate based liquid electrolyte and its supercapacitor application. International Journal of Hydrogen Energy, 2017, 42, 30683-30690.	3.8	53
14	Synthesis and characterization of hybrid poly (N, N-dimethylacrylamide) composite hydrogel electrolytes and their performance in supercapacitor. Electrochimica Acta, 2020, 332, 135438.	2.6	44
15	Microwave synthesis of magnetically separable ZnFe ₂ O ₄ -reduced graphene oxide for wastewater treatment. Ceramics International, 2014, 40, 7057-7065.	2.3	42
16	Binary nanocomposite based on Co ₃ O ₄ nanocubes and multiwalled carbon nanotubes as an ultrasensitive platform for amperometric determination of dopamine. Mikrochimica Acta, 2017, 184, 2739-2748.	2.5	42
17	Enhancing the Efficiency of a Dye-Sensitized Solar Cell Based on a Metal Oxide Nanocomposite Gel Polymer Electrolyte. ACS Applied Materials & Interfaces, 2019, 11, 30185-30196.	4.0	41
18	Three-dimensional hierarchical nanostructured porous TiO ₂ aerogel/Cobalt based metal-organic framework (MOF) composite as an electrode material for supercapattery. Journal of Energy Storage, 2020, 32, 101750.	3.9	35

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19	Growth of nanostructured cobalt sulfide-based nanocomposite as faradaic binder-free electrode for supercapattery. <i>Journal of Energy Storage</i> , 2021, 39, 102599.	3.9	25
20	Optimization of poly(vinyl alcohol-co-ethylene)-based gel polymer electrolyte containing nickel phosphate nanoparticles for dye-sensitized solar cell application. <i>Solar Energy</i> , 2019, 178, 231-240.	2.9	20
21	Improved Synthesis of Reduced Graphene Oxide-Titanium Dioxide Composite with Highly Exposed {001} Facets and Its Photoelectrochemical Response. <i>International Journal of Photoenergy</i> , 2014, 2014, 1-9.	1.4	19
22	Polyacrylonitrile-poly(1-vinyl pyrrolidone-co-vinyl acetate) blend based gel polymer electrolytes incorporated with sodium iodide salt for dye-sensitized solar cell applications. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47810.	1.3	19
23	Performance studies of ZnO and multi walled carbon nanotubes-based counter electrodes with gel polymer electrolyte for dye-sensitized solar cell. <i>Materials Science in Semiconductor Processing</i> , 2018, 83, 144-149.	1.9	16
24	Solid-phase diffusion controlled growth of nickel silicide nanowires for supercapacitor electrode. <i>Applied Surface Science</i> , 2018, 456, 515-525.	3.1	16
25	Coral-like structured nickel sulfide-cobalt sulfide binder-free electrode for supercapattery. <i>Ionics</i> , 2020, 26, 3621-3630.	1.2	16
26	Ionic conductivity improvement in poly (propylene) carbonate-based gel polymer electrolytes using 1-butyl-3-methylimidazolium iodide (Bmiml) ionic liquid for dye-sensitized solar cell application. <i>Ionics</i> , 2017, 23, 1601-1605.	1.2	15
27	lota-carrageenan-based polymer electrolyte: impact on ionic conductivity with incorporation of AmNTFSI ionic liquid for supercapacitor. <i>Ionics</i> , 2019, 25, 3321-3329.	1.2	15
28	Improved ionic conductivity and efficiency of dye-sensitized solar cells with the incorporation of 1-methyl-3-propylimidazolium iodide. <i>Ionics</i> , 2020, 26, 3173-3183.	1.2	13
29	Enhancing efficiency of dye sensitized solar cells based on poly(propylene) carbonate polymer gel electrolytes incorporating double salts. <i>Ionics</i> , 2020, 26, 493-502.	1.2	12
30	Influence of tetraglyme towards magnesium salt dissociation in solid polymer electrolyte for electric double layer capacitor. <i>Journal of Polymer Research</i> , 2020, 27, 1.	1.2	12
31	CoCl ₂ -doped polyaniline composites as electrode materials with enhanced electrochemical performance for supercapacitor application. <i>Polymer Bulletin</i> , 2018, 75, 1563-1578.	1.7	11
32	Solid terpolymer electrolyte based on poly(vinyl butyral-co-vinyl alcohol-co-vinyl acetate) incorporated with lithium salt and tetraglyme for EDLCs. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45902.	1.3	11
33	Enhanced efficiency in dye-sensitized solar cell based on zinc oxide-modified poly(ethylene oxide) gel electrolyte. <i>Ionics</i> , 2018, 24, 1221-1226.	1.2	11
34	Electrical property enhancement of poly (vinyl alcohol-co-ethylene)-based gel polymer electrolyte incorporated with triglyme for electric double-layer capacitors (EDLCs). <i>Ionics</i> , 2021, 27, 361-373.	1.2	9
35	Effect of physical interaction between polyaniline and metal phosphate nanocomposite as positive electrode for supercapattery. <i>Journal of Energy Storage</i> , 2020, 32, 101850.	3.9	8
36	Cobalt oxide decorated zirconium oxide immobilized multiwalled carbon nanotubes as scaffolds for supercapacitors and the CO ₂ reduction reaction. <i>Journal of Energy Storage</i> , 2021, 44, 103312.	3.9	8

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37	Hierarchical Si/ZnO trunk-branch nanostructure for photocurrent enhancement. <i>Nanoscale Research Letters</i> , 2014, 9, 469.	3.1	7
38	The Effect of Incorporation of Multi-Walled Carbon Nanotube into Poly(Ethylene Oxide) Gel Electrolyte on the Photovoltaic Performance of Dye-Sensitized Solar Cell. <i>Polymer-Plastics Technology and Materials</i> , 2019, 58, 97-104.	0.6	4
39	Effect of Nickel Oxide on the Conductivity of Polymer Blend Electrolyte Doped with Sodium Iodide and Its Application in Dye-Sensitized Solar Cell. <i>Malaysian Journal of Science</i> , 2019, 38, 1-12.	0.2	2