

Balamuralitharan Balakrishnan

List of Publications by Year in Descending Order

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

21
papers

451
citations

13
h-index

21
g-index

21
ext. papers

581
ext. citations

5.3
avg, IF

4.07
L-index

#	Paper	IF	Citations
21	A facile synthesis of a NiMoO@metal-coated graphene-ink nanosheet structure towards the high energy density of a battery type-hybrid supercapacitor. <i>Dalton Transactions</i> , 2020 , 49, 9762-9772	4.3	9
20	Rational design of asymmetric aqueous supercapacitor based on NAXMnO ₂ and N-doped reduced graphene oxide. <i>Journal of Energy Storage</i> , 2020 , 28, 101293	7.8	13
19	A unique core-shell structured ZnO/NiO heterojunction to improve the performance of supercapacitors produced using a chemical bath deposition approach. <i>Dalton Transactions</i> , 2020 , 49, 14432-14444	4.3	10
18	Selective Growth of ZnO@Se Nanostructures on Various Conductive Substrates for Asymmetric Flexible Hybrid Supercapacitor with Enhanced Performance. <i>Advanced Materials Technologies</i> , 2020 , 5, 1900873	6.8	21
17	Co-electrodeposition of NiCu(OH) ₂ @Ni-Cu-Se hierarchical nanoparticle structure for supercapacitor application with enhanced performance. <i>Applied Surface Science</i> , 2020 , 506, 145015	6.7	29
16	A core-shell structure of cobalt sulfide//G-ink towards high energy density in asymmetric hybrid supercapacitors. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 4848-4858	5.8	6
15	Exploration of Ni-X (O, S, Se) for high performance supercapacitor with long-term stability via solution phase synthesis. <i>Journal of Industrial and Engineering Chemistry</i> , 2020 , 81, 294-302	6.3	10
14	Porous shiitake mushroom carbon composite with NiCo ₂ O ₄ nanorod electrochemical characteristics for efficient supercapacitor applications. <i>Ionics</i> , 2020 , 26, 345-354	2.7	12
13	The one-step electrodeposition of nickel phosphide for enhanced supercapacitive performance using 3-mercaptopropionic acid. <i>New Journal of Chemistry</i> , 2020 , 44, 7690-7697	3.6	7
12	Selenium vacancies enriched the performance of supercapacitors with excellent cycling stability via a simple chemical bath deposition method. <i>Dalton Transactions</i> , 2019 , 48, 8254-8263	4.3	13
11	Hematite microdisks as an alternative anode material for lithium-ion batteries. <i>Materials Letters</i> , 2019 , 247, 163-166	3.3	14
10	Enhanced solar to electrical energy conversion of titania nanoparticles and nanotubes-based combined photoanodes for dye-sensitized solar cells. <i>Materials Letters</i> , 2019 , 243, 180-182	3.3	17
9	Facile synthesis of pristine FeS ₂ microflowers and hybrid rGO-FeS ₂ microsphere electrode materials for high performance symmetric capacitors. <i>Journal of Industrial and Engineering Chemistry</i> , 2019 , 71, 191-200	6.3	25
8	V ₂ O ₅ nanorod electrode material for enhanced electrochemical properties by a facile hydrothermal method for supercapacitor applications. <i>New Journal of Chemistry</i> , 2018 , 42, 11862-11868	3.6	35
7	Superior one-pot synthesis of a doped graphene oxide electrode for a high power density supercapacitor. <i>New Journal of Chemistry</i> , 2018 , 42, 11093-11101	3.6	19
6	Hybrid Reduced Graphene Oxide/Manganese Diselenide Cubes: A New Electrode Material for Supercapacitors. <i>Energy Technology</i> , 2017 , 5, 1953-1962	3.5	40
5	Electrolyte-imprinted graphene oxide-chitosan chelate with copper crosslinked composite electrodes for intense cyclic-stable, flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 1380-1386	13	32

4	Simultaneous electrochemical deposition of an e-rGO/ECd/MnO ₂ ternary composite for a self-powered supercapacitor based caffeine sensor. <i>Analytical Methods</i> , 2016 , 8, 7937-7943	3.2	13
3	Phase transition kinetics and surface binding states of methylammonium lead iodide perovskite. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 7284-92	3.6	64
2	Novel high-temperature supercapacitor combined dye sensitized solar cell from a sulfated Cyclodextrin/PVP/MnCO ₃ composite. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 10225-10232	13	45
1	Stacked Cu _{1.8} S nanoplatelets as counter electrode for quantum dot-sensitized solar cell. <i>RSC Advances</i> , 2015 , 5, 100560-100567	3.7	17