

Johnson Princy Merlin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4452110/publications.pdf>

Version: 2024-02-01

69
papers

2,417
citations

172457

29
h-index

223800

46
g-index

69
all docs

69
docs citations

69
times ranked

2083
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and characterization of Sr-doped CdO nanoplatelets for supercapacitor applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 8426-8434.	2.2	11
2	Robust fabrication of silver pyro-vanadates via sonochemical approach for advanced energy storage application. <i>Journal of Alloys and Compounds</i> , 2022, 893, 162268.	5.5	12
3	Enhanced electrochemical performance of aminophenol-modified ZnO as electrode material for supercapacitors. <i>Ionics</i> , 2022, 28, 859-869.	2.4	9
4	A simple conversion of expired medicines into nontoxic activated carbon for energy storage applications. <i>International Journal of Energy Research</i> , 2022, 46, 4380-4392.	4.5	13
5	Systematic investigation on the electrochemical performance of Cd-doped ZnO as electrode material for energy storage devices. <i>Journal of Physics and Chemistry of Solids</i> , 2022, 161, 110486.	4.0	18
6	Fabrication of CoWO ₄ /PANI composite as electrode material for energy storage applications. <i>Journal of Physics and Chemistry of Solids</i> , 2022, 162, 110500.	4.0	22
7	One-Pot Green Recovery of Copper Oxide nanoparticles from Discarded Printed Circuit Boards for electrode material in Supercapacitor Application. <i>Resources, Conservation and Recycling</i> , 2022, 180, 106180.	10.8	32
8	Biomass-derived porous activated carbon from <i>anacardium occidentale</i> shell as electrode material for supercapacitors. <i>New Journal of Chemistry</i> , 2022, 46, 8863-8873.	2.8	10
9	Effective conversion of Cassia fistula dry fruits biomass into porous activated carbon for supercapacitors. <i>Materials Chemistry and Physics</i> , 2022, 286, 126188.	4.0	20
10	Facile synthesis of platelet-like zirconium tungstate nanostructures for high-performance supercapacitors. <i>International Journal of Energy Research</i> , 2022, 46, 17113-17125.	4.5	13
11	Facile synthesis of Zn ₃ V ₂ O ₈ nanostructured material and its enhanced supercapacitive performance. <i>Journal of Alloys and Compounds</i> , 2021, 861, 157939.	5.5	37
12	A simple chemical approach for synthesis of Sr ₂ Co ₂ O ₅ nanoparticles and its application in the detection of chloramphenicol and in energy storage systems. <i>Journal of Electroanalytical Chemistry</i> , 2021, 880, 114911.	3.8	22
13	Simple Colorimetric and Fluorescence Chemosensing Probe for Selective Detection of Sn ²⁺ Ions in an Aqueous Solution: Evaluation of the Novel Sensing Mechanism and Its Bioimaging Applications. <i>Analytical Chemistry</i> , 2021, 93, 801-811.	6.5	62
14	Tuning the efficiency of CoFe ₂ O ₄ @rGO composite by encapsulating Ag nanoparticles for the photocatalytic degradation of methyl violet dye and energy storage systems. <i>New Journal of Chemistry</i> , 2021, 45, 17642-17653.	2.8	11
15	Fabrication of Co ₃ O ₄ nanoparticle-decorated porous activated carbon electrode for the electrochemical detection of 4-nitrophenol. <i>New Journal of Chemistry</i> , 2021, 45, 18358-18365.	2.8	25
16	Synergistic effect of Co ₃ O ₄ nanoparticles with Bauhinia vahlii dry fruits derived activated carbon on energy storage applications. <i>Journal of Solid State Chemistry</i> , 2021, 295, 121931.	2.9	21
17	Enhanced electrochemical behaviour of FeCo ₂ O ₄ /PANI electrode material for supercapacitors. <i>Journal of Alloys and Compounds</i> , 2021, 874, 159876.	5.5	59
18	Investigation on NiWO ₄ /PANI composite as an electrode material for energy storage devices. <i>New Journal of Chemistry</i> , 2021, 45, 20612-20623.	2.8	21

#	ARTICLE	IF	CITATIONS
19	Walnut shell derived mesoporous activated carbon for high performance electrical double layer capacitors. <i>Journal of Electroanalytical Chemistry</i> , 2021, 901, 115762.	3.8	22
20	A phenoxazine-based fluorescent chemosensor for dual channel detection of Cd ²⁺ and CN ⁻ ions and its application to bio-imaging in live cells and zebrafish. <i>Dyes and Pigments</i> , 2020, 172, 107828.	3.7	54
21	Sonochemical synthesis and fabrication of neodymium sesquioxide entrapped with graphene oxide based hierarchical nanocomposite for highly sensitive electrochemical sensor of anti-cancer (raloxifene) drug. <i>Ultrasonics Sonochemistry</i> , 2020, 64, 104717.	8.2	11
22	Enhanced electrochemical behaviour of Co-MOF/PANI composite electrode for supercapacitors. <i>Inorganica Chimica Acta</i> , 2020, 502, 119393.	2.4	100
23	Effect of decorating cobalt ferrite spinel structures on pistachio vera shell "derived activated carbon on energy storage applications. <i>Electrochimica Acta</i> , 2020, 359, 136953.	5.2	41
24	Electrochemical investigation of Zr-doped ZnO nanostructured electrode material for high-performance supercapacitor. <i>Ionics</i> , 2020, 26, 5757-5772.	2.4	48
25	Sonochemical Assisted Leaching of Aluminium Oxide Nanoparticles from Domestic Aluminium Wastes as Non-Toxic Electrode Material for Energy Storage Application. <i>Journal of the Electrochemical Society</i> , 2020, 167, 110541.	2.9	12
26	Recovery of copper oxide nanoparticles from waste SIM cards for supercapacitor electrode material. <i>Journal of Alloys and Compounds</i> , 2020, 849, 156582.	5.5	47
27	Fabrication of a CuCo ₂ O ₄ /PANI nanocomposite as an advanced electrode for high performance supercapacitors. <i>Sustainable Energy and Fuels</i> , 2020, 4, 5313-5326.	4.9	35
28	Simple and selective optical biosensor using Ultrasonicator synthesis of 5-((anthracen-9-ylmethylene)) Tj ETQq0 0 0 rgBT /Overlock 10 T Food Chemistry, 2020, 332, 127150.	8.2	10
29	Facile synthesis of Eu-doped CaTiO ₃ and their enhanced supercapacitive performance. <i>Ionics</i> , 2020, 26, 3543-3554.	2.4	39
30	Effect of annealing temperature on structural, optical and visible light photocatalytic performance of CaTiO ₃ catalysts synthesized by simple sol-gel technique. <i>Inorganic Chemistry Communication</i> , 2020, 119, 108051.	3.9	14
31	Study on the electrochemical behavior of BiVO ₄ /PANI composite as a high performance supercapacitor material with excellent cyclic stability. <i>Journal of Electroanalytical Chemistry</i> , 2020, 861, 113972.	3.8	64
32	Multifunctional magnetic CoFe ₂ O ₄ nanoparticles for the photocatalytic discoloration of aqueous methyl violet dye and energy storage applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 10738-10749.	2.2	23
33	Sonochemically Recovered Aluminum Oxide Nanoparticles from Domestic Aluminum Wastes as a Highly Stable Electrocatalyst for Proton-Pump Inhibitor (Omeprazole) Detection. <i>Journal of the Electrochemical Society</i> , 2020, 167, 027544.	2.9	15
34	Simple Fluorescence Turn-On Chemosensor for Selective Detection of Ba ²⁺ Ion and Its Live Cell Imaging. <i>Analytical Chemistry</i> , 2019, 91, 10095-10101.	6.5	57
35	Bio-assisted Hydrothermal Synthesis and Characterization of MnWO ₄ Nanorods for High-Performance Supercapacitor Applications. <i>Journal of Electronic Materials</i> , 2019, 48, 7239-7249.	2.2	19
36	Sustainable porous activated carbon from Polyalthia longifolia seeds as electrode material for supercapacitor application. <i>Journal of Electroanalytical Chemistry</i> , 2019, 849, 113382.	3.8	66

#	ARTICLE	IF	CITATIONS
37	Naphthoquinone-Based Colorimetric and Fluorometric Dual-Channel Chemosensor for the Detection of Fe ²⁺ Ion and Its Application in Bio-Imaging of Live Cells and Zebrafish. ACS Sustainable Chemistry and Engineering, 2019, 7, 17210-17219.	6.7	67
38	Electrochemical performance of l-tryptophanium picrate as an efficient electrode material for supercapacitor application. Physical Chemistry Chemical Physics, 2019, 21, 11829-11838.	2.8	22
39	A fascinating multifunctional bis(2-(4,5-diphenyl-1H-imidazol-2-yl)phenoxy)nickel complex: An excellent electrode material for supercapacitor and uric acid sensor. Materials Research Bulletin, 2019, 118, 110482.	5.2	12
40	Low cost activated carbon derived from Cucumis melo fruit peel for electrochemical supercapacitor application. Applied Surface Science, 2019, 486, 527-538.	6.1	101
41	Electrochemical Detection of Trace Amounts of Arsenic (III) in Poultry Using a Graphene Oxide-Bis(2-(4,5-diphenyl-1H-imidazol-2-yl)phenoxy)Cobalt Composite Modified Electrode. Journal of Electronic Materials, 2019, 48, 4498-4506.	2.2	7
42	Development of a electrochemical sensor for the detection of 2,4-dichlorophenol using a polymer nanocomposite of rGO. Journal of Materials Science: Materials in Electronics, 2019, 30, 7150-7162.	2.2	6
43	Enhanced luminescence efficiency of structurally tailored new coumarin-based heterocyclic organic materials: a DFT/TD-DFT study. Theoretical Chemistry Accounts, 2019, 138, 1.	1.4	10
44	Electrochemical Studies on Tamarindus indica Fruit Shell Bio-Waste Derived Nanoporous Activated Carbons for Supercapacitor Applications. Journal of Nanoscience and Nanotechnology, 2019, 19, 3388-3397.	0.9	29
45	DFT-TDDFT framework of diphenylamine based mixed valence compounds for optoelectronic applications – Structural modification of π -acceptors. Computational Materials Science, 2019, 162, 359-369.	3.0	11
46	Couroupita guianensis dead flower derived porous activated carbon as efficient supercapacitor electrode material. Materials Research Bulletin, 2019, 112, 390-398.	5.2	46
47	HRGO@Co@SnO ₂ Nanocomposite for Electrochemical Detection of Hydrazine. Journal of Electronic Materials, 2019, 48, 542-550.	2.2	6
48	Fabrication of hierarchical NiCo ₂ S ₄ @CoS ₂ nanostructures on highly conductive flexible carbon cloth substrate as a hybrid electrode material for supercapacitors with enhanced electrochemical performance. Electrochimica Acta, 2019, 293, 328-337.	5.2	169
49	Sonochemically recovered silver oxide nanoparticles from the wastewater of photo film processing units as an electrode material for supercapacitor and sensing of 2, 4, 6-trichlorophenol in agricultural soil samples. Ultrasonics Sonochemistry, 2019, 50, 255-264.	8.2	46
50	Polyaniline based charcoal/Ni nanocomposite material for high performance supercapacitors. Sustainable Energy and Fuels, 2018, 2, 811-819.	4.9	75
51	Photocatalytic Degradation of Rhodamine B Using Zinc Oxide Activated Charcoal Polyaniline Nanocomposite and Its Survival Assessment Using Aquatic Animal Model. ACS Sustainable Chemistry and Engineering, 2018, 6, 258-267.	6.7	77
52	Effect of Ni ²⁺ doping on chemocatalytic and supercapacitor performance of biosynthesized nanostructured CuO. Journal of Materials Science: Materials in Electronics, 2018, 29, 21180-21193.	2.2	24
53	A comparative study on conventionally prepared MnFe ₂ O ₄ nanospheres and template-synthesized novel MnFe ₂ O ₄ nano-agglomerates as the electrodes for biosensing of mercury contaminations and supercapacitor applications. Electrochimica Acta, 2018, 290, 533-543.	5.2	45
54	Cost effective synthesis of a copper-1H-imidazole@activated carbon metal organic framework as an electrode material for supercapacitor applications. New Journal of Chemistry, 2018, 42, 10300-10308.	2.8	37

#	ARTICLE	IF	CITATIONS
55	Pronounced luminescence efficiency and thermal stability of small imidazole architect 2-(1, 4,) Tj ETQq1 1 0.784314 rgBT /Overlock 1011 Photobiology A: Chemistry, 2018, 365, 232-237.	3.9	10
56	Visible light driven photodegradation of Rhodamine B using cysteine capped ZnO/GO nanocomposite as photocatalyst. Journal of Materials Science: Materials in Electronics, 2017, 28, 6722-6730.	2.2	42
57	Synthesis, Characterization and Solvatochromic Studies Using the Solvent Polarity Parameter, ENT on 2-Chloro-3-Ethylamino-1,4-Naphthoquinone. Journal of Fluorescence, 2017, 27, 1505-1512.	2.5	4
58	A facile sonochemical assisted synthesis of MnMoO_4 /PANI nanocomposite electrode for supercapacitor applications. Journal of Electroanalytical Chemistry, 2017, 797, 78-88.	3.8	102
59	Reduced Graphene Oxide Supported Cobalt Bipyridyl Complex for Sensitive Detection of Methyl Parathion in Fruits and Vegetables. Electroanalysis, 2017, 29, 1950-1960.	2.9	43
60	Preparation and characterization of activated carbon derived from the Borassus flabellifer flower as an electrode material for supercapacitor applications. New Journal of Chemistry, 2017, 41, 3939-3949.	2.8	119
61	Electro-organic synthesis of 2-(4,5-diphenyl-1H-imidazol-2-yl)phenol in Aqueous medium for organic monomer based Supercapacitor electrode. Electrochimica Acta, 2017, 251, 32-42.	5.2	19
62	Photocatalytic degradation of rhodamine B using cysteine capped ZnO/P(3HB-co-3HHx) fiber under UV and visible light irradiation. Reaction Kinetics, Mechanisms and Catalysis, 2017, 122, 671-684.	1.7	7
63	Electrochemical sensing of glucose and photocatalytic performance of porous Co_3O_4 films by nebulizer spray technique. Materials Chemistry and Physics, 2017, 186, 561-573.	4.0	22
64	Aloe vera (L.) Burm.f. extract reduced graphene oxide for supercapacitor application. Journal of Materials Science: Materials in Electronics, 2017, 28, 16648-16657.	2.2	22
65	Simultaneous determination of dopamine and uric acid in the presence of high ascorbic acid concentration using cetyltrimethylammonium bromide-polyaniline/activated charcoal composite. RSC Advances, 2016, 6, 100605-100613.	3.6	40
66	Enhanced photocatalytic degradation of azo dyes using nano Fe_3O_4 . Journal of the Iranian Chemical Society, 2012, 9, 101-109.	2.2	63
67	Inhibition of corrosion of aluminium in presence of fluorescein in basic medium. Ionics, 2004, 10, 288-290.	2.4	9
68	Inhibition of corrosion of commercial mild steel in presence of tetrazole derivatives in acid medium. Ionics, 2004, 10, 123-125.	2.4	19
69	Naphthoquinone-Dopamine Linked Colorimetric and Fluorescence Chemosensor for Selective Detection of Sn^{2+} Ion in Aqueous Medium and Its Bio-Imaging Applications. ACS Sustainable Chemistry and Engineering, 0, , .	6.7	11