

Ponpandian N

List of Publications by Year in descending order

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239
papers

10,984
citations

36691

53
h-index

51423

90
g-index

244
all docs

244
docs citations

244
times ranked

14303
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface tuned polyethersulfone membrane using an iron oxide functionalized halloysite nanocomposite for enhanced humic acid removal. <i>Environmental Research</i> , 2022, 204, 112113.	3.7	16
2	Enhanced water permeability and fouling resistance properties of ultrafiltration membranes incorporated with hydroxyapatite decorated orange-peel-derived activated carbon nanocomposites. <i>Chemosphere</i> , 2022, 286, 131799.	4.2	24
3	Evolution of intrinsic 1-3D WO ₃ nanostructures: Tailoring their phase structure and morphology for robust hydrogen evolution reaction. <i>Chemical Engineering Journal</i> , 2022, 428, 132013.	6.6	15
4	Highly permeable, environmentally-friendly, antifouling polylactic acid-hydroxyapatite/polydopamine (PLA-HAp/PDA) ultrafiltration membranes. <i>Journal of Cleaner Production</i> , 2022, 330, 129871.	4.6	20
5	2D \pm -MoO _{3-x} truncated microplates and microdisks as electroactive materials for highly efficient asymmetric supercapacitors. <i>Journal of Energy Storage</i> , 2022, 48, 103958.	3.9	9
6	Waste cigarette butt derived Carbon/Magnesium oxide nanocomposite as potential adsorbent for the removal of ciprofloxacin from waste water. <i>Materials Letters</i> , 2022, 312, 131668.	1.3	4
7	Highly effective and stable MWCNT/WO ₃ nanocatalyst for ammonia gas sensing, photodegradation of ciprofloxacin and peroxidase mimic activity. <i>Chemosphere</i> , 2022, 297, 134023.	4.2	10
8	Fabrication of Ru@CoFe ₂ O ₄ /RGO hierarchical nanostructures for high-performance photoelectrodes to reduce hazardous Cr(VI) into Cr(III) coupled with anodic oxidation of phenols. <i>Chemosphere</i> , 2022, 299, 134439.	4.2	17
9	Engineering the semiconducting CdS nanostructures by N-doped rGO for enhancing the adsorption sites: Promising electrocatalyst for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 16106-16120.	3.8	1
10	One-step preparation of N-doped grapheme quantum dots with high quantum yield for bioimaging and highly sensitive electrochemical detection of isoniazid. , 2022, 135, 212731.		6
11	Surface engineering of Au nanostructures for plasmon-enhanced electrochemical reduction of N ₂ and CO ₂ into urea in the visible-NIR region. <i>Applied Energy</i> , 2022, 318, 119244.	5.1	23
12	Chalcogenides Based Nano Composites for Supercapacitors. <i>Advances in Material Research and Technology</i> , 2022, , 375-396.	0.3	1
13	Review@Systematic Review on Electrochemical Biosensing of Breast Cancer miRNAs to Develop Alternative DCIS Diagnostic Tool. , 2022, 1, 021602.		39
14	Three dimensional integrated architecture of Sr Fe LDH on hierarchical NiS framework as a flexible electrode for efficient energy storage and conversion applications. <i>Journal of Energy Storage</i> , 2022, 53, 105091.	3.9	5
15	Influence on effective and ineffective delamination of MXene (Ti ₃ C ₂ T _x) by tightly anchoring tin oxide nanocomposite for boosting the specific capacitance of supercapacitor. <i>Journal of Alloys and Compounds</i> , 2022, 921, 166092.	2.8	9
16	Hybrid nanostructures of WS ₂ nanoflowers on N, B co-doped rGO for sensitive amperometric detection of Nilutamide. <i>Materials Today Chemistry</i> , 2022, 26, 101052.	1.7	7
17	Nano@hydroxyapatite (<scp>HAp</scp>) and hydroxyapatite/platinum (<scp>HAp</scp>/Pt) core shell nanorods: Development, structural study, and their catalytic activity. <i>Canadian Journal of Chemical Engineering</i> , 2021, 99, 268-280.	0.9	4
18	Biosorption potential of Phoenix dactylifera coir wastes for toxic hexavalent chromium sequestration. <i>Chemosphere</i> , 2021, 268, 128809.	4.2	54

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19	Green synthesis of zinc oxide nanoparticles using Phoenix dactylifera waste as bioreductant for effective dye degradation and antibacterial performance in wastewater treatment. Journal of Hazardous Materials, 2021, 402, 123560.	6.5	276
20	Ferric oxide/date seed activated carbon nanocomposites mediated dark fermentation of date fruit wastes for enriched biohydrogen production. International Journal of Hydrogen Energy, 2021, 46, 16631-16643.	3.8	60
21	Direct growth of MoS ₂ hierarchical nanoflowers on electrospun carbon nanofibers as an electrode material for high-performance supercapacitors. Journal of Alloys and Compounds, 2021, 859, 157771.	2.8	52
22	Designed assembly of Ni/MAX (Ti ₃ AlC ₂) and porous graphene-based asymmetric electrodes for capacitive deionization of multivalent ions. Chemosphere, 2021, 266, 129048.	4.2	36
23	Magnetic nanoparticle-decorated graphene oxide-chitosan composite as an efficient nanocarrier for protein delivery. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 610, 125913.	2.3	26
24	Fabrication, toxicity and biocompatibility of Sesamum indicum infused graphene oxide nanofiber - a novel green composite method. Applied Nanoscience (Switzerland), 2021, 11, 679-686.	1.6	8
25	Augmented biohydrogen production from rice mill wastewater through nano-metal oxides assisted dark fermentation. Bioresource Technology, 2021, 319, 124243.	4.8	74
26	NiCo ₂ O ₄ nanoparticles inlaid on sulphur and nitrogen doped and co-doped rGO sheets as efficient electrocatalysts for the oxygen evolution and methanol oxidation reactions. Nanoscale Advances, 2021, 3, 3216-3231.	2.2	17
27	Smart polymeric composite membranes for wastewater treatment. , 2021, , 313-350.		3
28	Enhanced electrochemical activities of morphologically tuned MnFe ₂ O ₄ nanoneedles and nanoparticles integrated on reduced graphene oxide for highly efficient supercapacitor electrodes. Nanoscale Advances, 2021, 3, 2887-2901.	2.2	30
29	Improved permeability and antifouling performance of polyethersulfone ultrafiltration membranes tailored by hydroxyapatite/boron nitride nanocomposites. Chemosphere, 2021, 268, 129306.	4.2	46
30	Removal of 1-naphthylamine using magnetic graphene and magnetic graphene oxide functionalized with Chitosan. Environmental Nanotechnology, Monitoring and Management, 2021, 15, 100450.	1.7	7
31	Morphology-dependent catalytic activity of tungsten trioxide (WO ₃) nanostructures for hydrogenation of furfural to furfuryl alcohol. Journal Physics D: Applied Physics, 2021, 54, 305502.	1.3	4
32	High-Grade Biofuel Synthesis from Paired Electrohydrogenation and Electrooxidation of Furfural Using Symmetric Ru/Reduced Graphene Oxide Electrodes. ACS Applied Materials & Interfaces, 2021, 13, 24643-24653.	4.0	26
33	Surface functionalized highly porous date seed derived activated carbon and MoS ₂ nanocomposites for hydrogenation of CO ₂ into formic acid. Journal of Hazardous Materials, 2021, 409, 124980.	6.5	26
34	Highly stable and selective LaNiO ₃ nanostructures modified glassy carbon electrode for simultaneous electrochemical detection of neurotransmitting compounds. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 618, 126387.	2.3	5
35	Hybrid capacitive deionization of NaCl and toxic heavy metal ions using faradic electrodes of silver nanospheres decorated pomegranate peel-derived activated carbon. Environmental Research, 2021, 197, 111110.	3.7	34
36	Boosting the kinetics of oxygen and hydrogen evolution in alkaline water splitting using nickel ferrite /N-graphene nanocomposite as a bifunctional electrocatalyst. International Journal of Hydrogen Energy, 2021, 46, 21512-21524.	3.8	31

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37	Rapid one-pot synthesis of PAM-GO-Ag nanocomposite hydrogel by gamma-ray irradiation for remediation of environment pollutants and pathogen inactivation. <i>Chemosphere</i> , 2021, 275, 130061.	4.2	26
38	Synthesis of TiO ₂ /RGO with plasmonic Ag nanoparticles for highly efficient photoelectrocatalytic reduction of CO ₂ to methanol toward the removal of an organic pollutant from the atmosphere. <i>Environmental Pollution</i> , 2021, 281, 116990.	3.7	61
39	Investigation of morphologically tuned Sb ₂ S ₃ nanostructures as an effective electrocatalyst for hydrogen evolution reaction. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 622, 126612.	2.3	8
40	Adsorptive removal of noxious atrazine using graphene oxide nanosheets: Insights to process optimization, equilibrium, kinetics, and density functional theory calculations. <i>Environmental Research</i> , 2021, 200, 111428.	3.7	35
41	In vitro evaluations of biomolecular interactions, antioxidant and anticancer activities of Nickel(II) and Copper(II) complexes with 1:2 coordination of anthracenyl hydrazone ligands. <i>Inorganica Chimica Acta</i> , 2021, 524, 120419.	1.2	31
42	Enriched oxygen vacancy promoted heteroatoms (B, P, N, and S) doped CeO ₂ : Challenging electrocatalysts for oxygen evolution reaction (OER) in alkaline medium. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 37281-37293.	3.8	34
43	Self-Assembled Co ₃ O ₄ Nanospheres on N-Doped Reduced Graphene Oxide (Co ₃ O ₄ /N-RGO) Bifunctional Electrocatalysts for Cathodic Reduction of CO ₂ and Anodic Oxidation of Organic Pollutants. <i>ACS Applied Energy Materials</i> , 2021, 4, 11408-11418.	2.5	19
44	ZnO-based electrochemical sensors for highly sensitive and selective detection of gallic acid at impact of substrate temperature. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	1.1	1
45	Development of RF magnetron-sputtered molybdenum oxide-modified carbon cloth thin film as a ferulic acid sensor. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	1.1	3
46	An electrochemical dopamine sensor based on RF magnetron sputtered TiO ₂ /SS thin film electrode. <i>Materials Letters</i> , 2021, 300, 130175.	1.3	8
47	Nano-activated carbon derived from date palm coir waste for efficient sequestration of noxious 2,4-dichlorophenoxyacetic acid herbicide. <i>Chemosphere</i> , 2021, 282, 131103.	4.2	37
48	Polymerization of lactic acid produced from food waste by metal oxide-assisted dark fermentation. <i>Environmental Technology and Innovation</i> , 2021, 24, 101862.	3.0	13
49	Valorization of groundnut shell via pyrolysis: Product distribution, thermodynamic analysis, kinetic estimation, and artificial neural network modeling. <i>Chemosphere</i> , 2021, 283, 131162.	4.2	33
50	Dual-functional paired photoelectrocatalytic system for the photocathodic reduction of CO ₂ to fuels and the anodic oxidation of furfural to value-added chemicals. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120520.	10.8	24
51	Enzyme like-colorimetric sensing of H ₂ O ₂ based on intrinsic peroxidase mimic activity of WS ₂ nanosheets anchored reduced graphene oxide. <i>Journal of Alloys and Compounds</i> , 2021, 889, 161669.	2.8	26
52	Synthesis of one-dimensional magnetite hydroxyapatite nanorods on reduced graphene oxide sheets for selective separation and controlled delivery of hemoglobin. <i>Applied Surface Science</i> , 2020, 501, 144215.	3.1	32
53	Morphology-dependent electrochemical performance of MnO ₂ nanostructures on graphene towards efficient capacitive deionization. <i>Electrochimica Acta</i> , 2020, 330, 135202.	2.6	55
54	Application and prospects of carbon nanostructured materials in water treatment: A review. <i>Journal of Water Process Engineering</i> , 2020, 33, 100996.	2.6	82

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55	Rare earth nanostructures based on PrO /CNT composites as potential electrodes for an asymmetric pseudocapacitor cell. <i>Journal of Rare Earths</i> , 2020, 38, 625-632.	2.5	9
56	The fabrication of activated carbon and metal-carbide 2D framework-based asymmetric electrodes for the capacitive deionization of Cr(VI) ions toward industrial wastewater remediation. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 351-361.	1.2	43
57	Preparation of MoS ₂ /graphene nanostructures and their supercapacitor and hydrogen evolution reaction (HER) performances. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 065501.	1.3	7
58	Substrate temperature induced enhanced selectivity and sensitivity for nanomolar gallic acid detection on RF magnetron sputtered ZnO/GS thin film electrode. <i>Sensors and Actuators A: Physical</i> , 2020, 315, 112368.	2.0	7
59	Engineering the surface of graphene oxide with bovine serum albumin for improved biocompatibility in <i>Caenorhabditis elegans</i> . <i>Nanoscale Advances</i> , 2020, 2, 5219-5230.	2.2	16
60	Cobalt and nickel ferrites based capacitive deionization electrode materials for water desalination applications. <i>Electrochimica Acta</i> , 2020, 363, 137083.	2.6	31
61	Development of watermelon rind derived activated carbon/manganese ferrite nanocomposite for cleaner desalination by capacitive deionization. <i>Journal of Cleaner Production</i> , 2020, 272, 122626.	4.6	41
62	Enhanced removal of emerging pharmaceutical contaminant ciprofloxacin and pathogen inactivation using morphologically tuned MgO nanostructures. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104256.	3.3	45
63	ZnO Nanorod Integrated Flexible Carbon Fibers for Sweat Cortisol Detection. <i>ACS Applied Electronic Materials</i> , 2020, 2, 499-509.	2.0	69
64	Biosorption performance of date palm empty fruit bunch wastes for toxic hexavalent chromium removal. <i>Environmental Research</i> , 2020, 187, 109694.	3.7	98
65	Morphologically tuned LaMnO ₃ as an efficient nanocatalyst for the removal of organic dye from aqueous solution under sunlight. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104146.	3.3	22
66	A nanocomposite of NiFe ₂ O ₄ @PANI as a duo active electrocatalyst toward the sensitive colorimetric and electrochemical sensing of ascorbic acid. <i>Nanoscale Advances</i> , 2020, 2, 3481-3493.	2.2	28
67	Synergetic effects of thymoquinone-loaded porous PVPylated Fe ₃ O ₄ nanostructures for efficient pH-dependent drug release and anticancer potential against triple-negative cancer cells. <i>Nanoscale Advances</i> , 2020, 2, 3209-3221.	2.2	12
68	Facile synthesis of fibrous, mesoporous Ni _{1-x} O nanosponge supported on Ni foam for enhanced pseudocapacitor applications. <i>Journal of Materials Science</i> , 2020, 55, 12232-12248.	1.7	11
69	Activated Carbon Derived from <i>Phoenix dactylifera</i> (Palm Tree) and Decorated with MnO ₂ Nanoparticles for Enhanced Hybrid Capacitive Deionization Electrodes. <i>ChemistrySelect</i> , 2020, 5, 3248-3256.	0.7	29
70	Review Towards Wearable Sensor Platforms for the Electrochemical Detection of Cortisol. <i>Journal of the Electrochemical Society</i> , 2020, 167, 067508.	1.3	53
71	Development of BiFeO ₃ /MnFe ₂ O ₄ ferrite nanocomposites with enhanced magnetic and electrical properties. <i>Nanoscale Advances</i> , 2020, 2, 2968-2976.	2.2	20
72	Systematic production and characterization of pyrolysis-oil from date tree wastes for bio-fuel applications. <i>Biomass and Bioenergy</i> , 2020, 135, 105523.	2.9	57

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73	Surfactant-assisted hydrothermal synthesis of Zr doped SnO ₂ nanoparticles with photocatalytic and supercapacitor applications. <i>Materials Science in Semiconductor Processing</i> , 2020, 111, 104982.	1.9	43
74	Hydrothermal synthesis of surfactant assisted Zn doped SnO ₂ nanoparticles with enhanced photocatalytic performance and energy storage performance. <i>Journal of Physics and Chemistry of Solids</i> , 2020, 141, 109407.	1.9	85
75	Effect of cation substitution in MnCo ₂ O ₄ spinel anchored over rGO for enhancing the electrocatalytic activity towards oxygen evolution reaction (OER). <i>International Journal of Hydrogen Energy</i> , 2020, 45, 6391-6403.	3.8	81
76	Development of Au and 1D Hydroxyapatite Nanohybrids Supported on 2D Boron Nitride Sheets as Highly Efficient Catalysts for Dehydrogenating Glycerol to Lactic Acid. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 7278-7289.	3.2	26
77	Tailoring the morphology and size of perovskite BiFeO ₃ nanostructures for enhanced magnetic and electrical properties. <i>Materials and Design</i> , 2020, 192, 108694.	3.3	46
78	Catalytic hydrodeoxygenation of biomass-derived pyrolysis oil over alloyed bimetallic Ni ₃ Fe nanocatalyst for high-grade biofuel production. <i>Energy Conversion and Management</i> , 2020, 213, 112859.	4.4	47
79	Zn-substituted MnCo ₂ O ₄ nanostructure anchored over rGO for boosting the electrocatalytic performance towards methanol oxidation and oxygen evolution reaction (OER). <i>International Journal of Hydrogen Energy</i> , 2020, 45, 14713-14727.	3.8	96
80	Magnetic graphene/chitosan nanocomposite: A promising nano-adsorbent for the removal of 2-naphthol from aqueous solution and their kinetic studies. <i>International Journal of Biological Macromolecules</i> , 2020, 159, 530-538.	3.6	52
81	Mesoporous nickel oxide nanostructures: influences of crystalline defects and morphological features on mediator-free electrochemical monosaccharide sensor application. <i>Nanotechnology</i> , 2020, 31, 215501.	1.3	9
82	Capacitive deionization of NaCl from saline solution using graphene/CNTs/ZnO NPs based electrodes. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 455304.	1.3	18
83	Enhanced electrochemical performances of peanut shell derived activated carbon and its Fe ₃ O ₄ nanocomposites for capacitive deionization of Cr(VI) ions. <i>Science of the Total Environment</i> , 2019, 691, 713-726.	3.9	113
84	Date seeds biomass-derived activated carbon for efficient removal of NaCl from saline solution. <i>Chemical Engineering Research and Design</i> , 2019, 129, 103-111.	2.7	91
85	Surface Imprinted Ag Decorated MnO ₂ Thin Film Electrodes for the Synergic Electrochemical Detection of Bacterial Pathogens. <i>Journal of the Electrochemical Society</i> , 2019, 166, G1-G9.	1.3	15
86	Carbon fiber based electrochemical sensor for sweat cortisol measurement. <i>Scientific Reports</i> , 2019, 9, 403.	1.6	105
87	Surfactants assisted SnO ₂ nanoparticles synthesized by a hydrothermal approach and potential applications in water purification and energy conversion. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 13174-13190.	1.1	18
88	Hydrothermal synthesis of SnO ₂ nanoparticles and its photocatalytic degradation of methyl violet and electrochemical performance. <i>Materials Research Express</i> , 2019, 6, 0850i3.	0.8	33
89	MnCo ₂ O ₄ -rGO Hybrid Magnetic Nanocomposite Modified Glassy Carbon Electrode for Sensitive Detection of L-Tryptophan. <i>Journal of the Electrochemical Society</i> , 2019, 166, B845-B852.	1.3	31
90	Mesoporous hydroxyapatite nanoplate arrays as pH-sensitive drug carrier for cancer therapy. <i>Materials Research Express</i> , 2019, 6, 085409.	0.8	11

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91	MoO_3 nanostructure on carbon cloth substrate for dopamine detection. Nanotechnology, 2019, 30, 265501.	1.3	21
92	Porous reduced graphene oxide (rGO)/ WO_3 nanocomposites for the enhanced detection of NH_3 at room temperature. Nanoscale Advances, 2019, 1, 1799-1811.	2.2	136
93	Toxic influence of pristine and surfactant modified halloysite nanotubes on phytopathogenic bacteria. Applied Clay Science, 2019, 174, 57-68.	2.6	25
94	Molybdenum disulfide decorated palm oil waste activated carbon as an efficient catalyst for hydrogen generation by sodium borohydride hydrolysis. International Journal of Hydrogen Energy, 2019, 44, 14406-14415.	3.8	31
95	Shape-controlled rapid synthesis of magnetic nanoparticles and their morphological dependent magnetic and thermal studies for cancer therapy applications. Materials Research Express, 2019, 6, 066104.	0.8	10
96	Two dimensional MoO_3 nanosheets decorated carbon cloth electrodes for high-performance supercapacitors. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 569, 137-144.	2.3	49
97	Self-Assembly of Nanostructured Hydroxyapatite Spheres for Photodegradation of Methylene Blue Dye. Materials Today: Proceedings, 2019, 18, 1729-1734.	0.9	8
98	Sunlight-Induced photochemical synthesis of Au nanodots on Fe_2O_3 @Reduced graphene oxide nanocomposite and their enhanced heterogeneous catalytic properties. Scientific Reports, 2018, 8, 5718.	1.6	96
99	Tungsten oxide-graphene oxide (WO_3 -GO) nanocomposite as an efficient photocatalyst, antibacterial and anticancer agent. Journal of Physics and Chemistry of Solids, 2018, 116, 137-147.	1.9	119
100	Self-assembled SnO_2 /reduced graphene oxide nanocomposites via Langmuir-Blodgett technique as anode materials for Li-ion batteries. Materials Letters, 2018, 218, 295-298.	1.3	15
101	Influence of Sn ion doping on the photocatalytic performance of V_2O_5 nanorods prepared by hydrothermal method. Materials Research Express, 2018, 5, 025507.	0.8	20
102	Surfactant-free solvothermal synthesis of Hydroxyapatite nested bundles for the effective photodegradation of cationic dyes. Journal of Physics and Chemistry of Solids, 2018, 116, 180-186.	1.9	15
103	Dual oxidation state induced oxygen vacancies in Pr substituted BiFeO_3 compounds: An effective material activation strategy to enhance the magnetic and visible light-driven photocatalytic properties. Materials Research Bulletin, 2018, 101, 107-115.	2.7	31
104	Mitochondrial dysfunction-induced apoptosis in breast carcinoma cells through a pH-dependent intracellular quercetin NDDS of PVPylated- TiO_2 NPs. Journal of Materials Chemistry B, 2018, 6, 3555-3570.	2.9	16
105	Facile synthesis of monodispersed 3D hierarchical Fe_3O_4 nanostructures decorated r-GO as the negative electrodes for Li-ion batteries. Materials Research Bulletin, 2018, 97, 272-280.	2.7	20
106	Amine-functionalized diatom frustules: a platform for specific and sensitive detection of nitroaromatic explosive derivative. Environmental Science and Pollution Research, 2018, 25, 20540-20549.	2.7	9
107	Nanostructured SnO_2 integrated conductive fabrics as binder-free electrode for neurotransmitter detection. Sensors and Actuators A: Physical, 2018, 269, 401-411.	2.0	22
108	N-Doped graphene with anchored ZnFe_2O_4 nanostructures as an anode for lithium ion batteries with enhanced reversible capacity and cyclic performance. New Journal of Chemistry, 2018, 42, 16564-16570.	1.4	11

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109	Highly selective and sensitive electrochemical detection of dopamine with hydrothermally prepared $\text{Fe}_2\text{-MnO}_2$ nanostructures. <i>Materials Science in Semiconductor Processing</i> , 2018, 83, 216-223.	1.9	27
110	Cytotoxic consequences of Halloysite nanotube/iron oxide nanocomposite and iron oxide nanoparticles upon interaction with bacterial, non-cancerous and cancerous cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 169, 395-403.	2.5	35
111	Correction: Mitochondrial dysfunction-induced apoptosis in breast carcinoma cells through a pH-dependent intracellular quercetin NDDS of PVPylated- TiO_2 NPs. <i>Journal of Materials Chemistry B</i> , 2018, 6, 4539-4539.	2.9	2
112	A comprehensive review on recently developed carbon based nanocomposites for capacitive deionization: From theory to practice. <i>Separation and Purification Technology</i> , 2018, 207, 291-320.	3.9	161
113	Effect of deposition temperature & oxygen pressure on mechanical properties of (0.5) BZT-(0.5)BCT ceramic thin films. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	2
114	TiO_2 as diffusion barrier at Co/Alq_3 interface studied by x-ray standing wave technique. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 225303.	1.3	9
115	Detection of typhoid fever by diatom-based optical biosensor. <i>Environmental Science and Pollution Research</i> , 2018, 25, 20385-20390.	2.7	12
116	Tin Oxide/Reduced Graphene Oxide Nanocomposite-Modified Electrode for Selective and Sensitive Detection of Riboflavin. <i>Journal of the Electrochemical Society</i> , 2018, 165, B498-B507.	1.3	25
117	Numerical simulation for protein focusing in a microfluidic device. , 2018, , .		0
118	LaCoO_3 Nanostructures Modified Glassy Carbon Electrode for Simultaneous Electrochemical Detection of Dopamine, Ascorbic Acid and Uric Acid. <i>Journal of the Electrochemical Society</i> , 2017, 164, B152-B158.	1.3	26
119	Enhanced visible light photocatalytic activity of porous LaMnO_3 sub-micron particles in the degradation of rose bengal. <i>Materials Research Bulletin</i> , 2017, 93, 270-281.	2.7	29
120	Electrodeposition of WO_3 nanostructured thin films for electrochromic and H_2S gas sensor applications. <i>Journal of Alloys and Compounds</i> , 2017, 719, 71-81.	2.8	145
121	Development of adsorption and electrosorption techniques for removal of organic and inorganic pollutants from wastewater using novel magnetite/porous graphene-based nanocomposites. <i>Separation and Purification Technology</i> , 2017, 188, 206-218.	3.9	141
122	N-doped Graphene/ ZnFe_2O_4 : A novel nanocomposite for intrinsic peroxidase based sensing of H_2O_2 . <i>Materials Research Bulletin</i> , 2017, 95, 1-8.	2.7	39
123	Facile Approach for Synthesis of GO/ ZnO Nanocomposite for Highly Efficient Photocatalytic Degradation of Organic Dyes under Visible Light. <i>Nano Hybrids and Composites</i> , 2017, 17, 121-126.	0.8	7
124	Selective and low potential electrocatalytic oxidation and sensing of L-cysteine using metal impurity containing carbon black modified electrode. <i>Analytical Methods</i> , 2017, 9, 6791-6800.	1.3	20
125	Investigation on biophysical properties of Hydroxyapatite/Graphene oxide (HAp/GO) based binary nanocomposite for biomedical applications. <i>Materials Chemistry and Physics</i> , 2017, 199, 179-184.	2.0	68
126	Facile synthesis, structural characterization, photocatalytic and antimicrobial activities of Zr doped CeO_2 nanoparticles. <i>Journal of Alloys and Compounds</i> , 2017, 724, 555-564.	2.8	48

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127	Enhanced hydroxyapatite nanorods formation on graphene oxide nanocomposite as a potential candidate for protein adsorption, pH controlled release and an effective drug delivery platform for cancer therapy. <i>Analytical Methods</i> , 2017, 9, 240-252.	1.3	63
128	Designed Synthesis of Nanostructured Magnetic Hydroxyapatite Based Drug Nanocarrier for Anti-Cancer Drug Delivery toward the Treatment of Human Epidermoid Carcinoma. <i>Nanomaterials</i> , 2017, 7, 138.	1.9	40
129	Effect of Yb substitution on room temperature magnetic and dielectric properties of bismuth ferrite nanoparticles. <i>Journal of Applied Physics</i> , 2016, 120, .	1.1	16
130	Influence of supporting electrolytes on the structure of electrodeposited SnO ₂ thin films for energy storage applications. <i>Ionics</i> , 2016, 22, 1837-1846.	1.2	6
131	Facile synthesis of yeast cross-linked Fe ₃ O ₄ nanoadsorbents for efficient removal of aquatic environment contaminated with As(V). <i>Journal of Colloid and Interface Science</i> , 2016, 484, 183-195.	5.0	17
132	Electrochemical Simultaneous Detection of Dopamine, Ascorbic Acid and Uric Acid Using LaMnO ₃ Nanostructures. <i>Journal of the Electrochemical Society</i> , 2016, 163, B460-B465.	1.3	26
133	Exchange spring magnetic behavior in BaFe ₁₂ O ₁₉ /Fe ₃ O ₄ nanocomposites. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 406, 233-238.	1.0	44
134	Enhanced electrocatalytic activity of gold nanoparticles on hydroxyapatite nanorods for sensitive hydrazine sensors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 6385-6394.	5.2	83
135	Novel multiform morphologies of hydroxyapatite: Synthesis and growth mechanism. <i>Applied Surface Science</i> , 2016, 361, 25-32.	3.1	32
136	Isothermal grain growth and effect of grain size on piezoelectric constant of Na _{0.5} Bi _{0.5} TiO ₃ ceramics. <i>Scripta Materialia</i> , 2016, 112, 58-61.	2.6	24
137	Influence of Growth Parameters on the Formation of Hydroxyapatite (HAp) Nanostructures and Their Cell Viability Studies. <i>Nanobiomedicine</i> , 2015, 2, 2.	4.4	46
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