Zulkarnain Zainal

List of Publications by Year
in descending order

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195 papers	5,882 citations	81900 39 h-index	98798 67 g-index
196 all docs	196 docs citations	196 times ranked	7032 citing authors

#	Article	IF	Citations
1	Bactericidal Activity of TiO2 Photocatalyst in Aqueous Media: Toward a Solar-Assisted Water Disinfection System. Environmental Science & Technology, 1994, 28, 934-938.	10.0	481
2	Carbon-Based Nanomaterials/Allotropes: A Glimpse of Their Synthesis, Properties and Some Applications. Materials, 2018, 11, 295.	2.9	239
3	Encapsulation techniques for organic phase change materials as thermal energy storage medium: A review. Solar Energy Materials and Solar Cells, 2015, 143, 78-98.	6.2	219
4	Removal of basic and reactive dyes using ethylenediamine modified rice hull. Bioresource Technology, 2007, 98, 2792-2799.	9.6	182
5	Controlled release of a plant growth regulator, Î±-naphthaleneacetate from the lamella of Znâ€“Al-layered double hydroxide nanocomposite. Journal of Controlled Release, 2002, 82, 417-427.	9.9	181
6	Characterization of TiO2â€“Chitosan/Glass photocatalyst for the removal of a monoazo dye via photodegradationâ€“adsorption process. Journal of Hazardous Materials, 2009, 164, 138-145.	12.4	173
7	Photocatalytic treatment of 4-chlorophenol in aqueous ZnO suspensions: Intermediates, influence of dosage and inorganic anions. Journal of Hazardous Materials, 2009, 168, 57-63.	12.4	149
8	Cathodic electrodeposition of SnS in the presence of EDTA in aqueous media. Solar Energy Materials and Solar Cells, 1998, 55, 237-249.	6.2	128
9	Cathodic electrodeposition of SnS thin films from aqueous solution. Solar Energy Materials and Solar Cells, 1996, 40, 347-357.	6.2	122
10	Nanocomposite-based controlled release formulation of an herbicide, 2,4-dichlorophenoxyacetate incapsulated in zincâ€“aluminium-layered double hydroxide. Science and Technology of Advanced Materials, 2005, 6, 956-962.	6.1	112
11	Recent development in spinel cobaltites for supercapacitor application. Ceramics International, 2015, 41, 1-14.	4.8	92
12	Cytotoxicity of nickel zinc ferrite nanoparticles on cancer cells of epithelial origin. International Journal of Nanomedicine, 2013, 8, 2497.	6.7	84
13	Removal of dyes using immobilized titanium dioxide illuminated by fluorescent lamps. Journal of Hazardous Materials, 2005, 125, 113-120.	12.4	81
14	CeO2â€“SiO2 supported nickel catalysts for dry reforming of methane toward syngas production. Applied Catalysis A: General, 2013, 468, 359-369.	4.3	79
15	Development of antiproliferative nanohybrid compound with controlled release property using ellagic acid as the active agent. International Journal of Nanomedicine, 2011, 6, 1373.	6.7	78
16	Photocatalytic removal of 2,4,6-trichlorophenol from water exploiting commercial ZnO powder. Desalination, 2010, 263, 176-182.	8.2	76
17	Photocatalytic Degradation of p-Cresol by Zinc Oxide under UV Irradiation. International Journal of Molecular Sciences, 2012, 13, 302-315.	4.1	76
18	Shape-stabilised n-octadecane/activated carbon nanocomposite phase change material for thermal energy storage. Journal of the Taiwan Institute of Chemical Engineers, 2015, 55, 189-197.	5.3	74

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19	Drug delivery system for an anticancer agent, chlorogenate-Zn/Al-layered double hydroxide nanohybrid synthesised using direct co-precipitation and ion exchange methods. Journal of Solid State Chemistry, 2014, 217, 31-41.	2.9	72
20	Preparation and characterization of active carbons from oil palm shells. Carbon, 1996, 34, 1447-1449.	10.3	69
21	Fourier transform infrared study of polypyrroleâ€“poly(vinyl alcohol) conducting polymer composite films: Evidence of film formation and characterization. Journal of Applied Polymer Science, 2006, 100, 4107-4113.	2.6	67
22	Chemical bath deposition of tin selenide thin films. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2004, 107, 181-185.	3.5	65
23	Electrochemical-assisted photodegradation of mixed dye and textile effluents using TiO2 thin films. Journal of Hazardous Materials, 2007, 146, 73-80.	12.4	59
24	Effects of annealing on the properties of SnSe films. Solar Energy Materials and Solar Cells, 2004, 81, 261-268.	6.2	58
25	Oil Palm Waste-Based Precursors as a Renewable and Economical Carbon Sources for the Preparation of Reduced Graphene Oxide from Graphene Oxide. Nanomaterials, 2017, 7, 182.	4.1	58
26	Microwave-assisted synthesis of Zn-Al-layered double hydroxide-sodium dodecyl sulfate nanocomposite. Journal of Materials Science Letters, 2000, 19, 879-883.	0.5	54
27	Cathodic electrodeposition of Cu2S thin film for solar energy conversion. Solar Energy Materials and Solar Cells, 2002, 73, 351-365.	6.2	54
28	Structural and electrochemical properties of manganese substituted nickel cobaltite for supercapacitor application. Electrochimica Acta, 2012, 67, 67-72.	5.2	52
29	Cesium Lead Halide Inorganic-Based Perovskite-Sensitized Solar Cell for Photo-Supercapacitor Application under High Humidity Condition. ACS Applied Energy Materials, 2018, 1, 692-699.	5.1	52
30	Preparation and controlled-release studies of a protocatechuic acid-magnesium/aluminum-layered double hydroxide nanocomposite. International Journal of Nanomedicine, 2013, 8, 1975.	6.7	51
31	Synthesis of protocatechuic acidâ€“zinc/aluminiumâ€“layered double hydroxide nanocomposite as an anticancer nanodelivery system. Journal of Solid State Chemistry, 2015, 221, 21-31.	2.9	49
32	Development of Drug Delivery Systems Based on Layered Hydroxides for Nanomedicine. International Journal of Molecular Sciences, 2014, 15, 7750-7786.	4.1	48
33	Activated carbon derived from peat soil as a framework for the preparation of shape-stabilized phase change material. Energy, 2015, 82, 468-478.	8.8	48
34	Characterization of thymoquinone/hydroxypropyl-Î²-cyclodextrin inclusion complex: Application to anti-allergy properties. European Journal of Pharmaceutical Sciences, 2019, 133, 167-182.	4.0	46
35	Synthesis of layered organicâ€“inorganic nanohybrid material: an organic dye, naphthol blue black in magnesiumâ€“aluminum layered double hydroxide inorganic lamella. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2002, 88, 98-102.	3.5	45
36	Electrodeposition of tin selenide thin film semiconductor: effect of the electrolytes concentration on the film properties. Solar Energy Materials and Solar Cells, 2003, 79, 125-132.	6.2	44

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37	Palm Kernel Shell Activated Carbon as an Inorganic Framework for Shape-Stabilized Phase Change Material. Nanomaterials, 2018, 8, 689.	4.1	43
38	Fabrication of poly(vinyl alcohol)â€graphene quantum dots coated with poly(3,4â€ethylenedioxythiophene) for supercapacitor. Journal of Polymer Science Part A, 2018, 56, 50-58.	2.3	42
39	Controlled release and angiotensin-converting enzyme inhibition properties of an antihypertensive drug based on a perindopril erbumine-layered double hydroxide nanocomposite. International Journal of Nanomedicine, 2012, 7, 2129.	6.7	41
40	Structural and electrical properties of bismuth magnesium tantalate pyrochlores. Ceramics International, 2012, 38, 5401-5409.	4.8	40
41	Preparation of hippurate-zinc layered hydroxide nanohybrid and its synergistic effect with tamoxifen on HepG2 cell lines. International Journal of Nanomedicine, 2011, 6, 3099.	6.7	39
42	Photocatalytic degradation of 1,4-benzoquinone in aqueous ZnO dispersions. Journal of the Brazilian Chemical Society, 2012, 23, 236-240.	0.6	39
43	Nanomaterials for the Treatment of Heavy Metal Contaminated Water. Polymers, 2022, 14, 583.	4.5	39
44	Electrochemical-assisted photodegradation of dye on TiO2 thin films: investigation on the effect of operational parameters. Journal of Hazardous Materials, 2005, 118, 197-203.	12.4	38
45	Herbicide-Intercalated Zinc Layered Hydroxide Nanohybrid for a Dual-Guest Controlled Release Formulation. International Journal of Molecular Sciences, 2012, 13, 7328-7342.	4.1	38
46	Controlled-release formulation of antihistamine based on cetirizine zinc-layered hydroxide nanocomposites and its effect on histamine release from basophilic leukemia (RBL-2H3) cells. International Journal of Nanomedicine, 2012, 7, 3351.	6.7	36
47	Copper selenide thin films prepared using combination of chemical precipitation and dip coating method. Materials Letters, 2005, 59, 1391-1394.	2.6	34
48	Induction of apoptosis in cancer cells by NiZn ferrite nanoparticles through mitochondrial cytochrome C release. International Journal of Nanomedicine, 2013, 8, 4115.	6.7	34
49	Effect of hydrothermal growth time on ZnO nanorod arrays photoelectrode performance. Optik, 2016, 127, 11111-11118.	2.9	33
50	Synthesis and characterization of [4-(2,4-dichlorophenoxybutyrate)-zinc layered hydroxide] nanohybrid. Solid State Sciences, 2010, 12, 770-775.	3.2	32
51	Phase equilibria and dielectric properties of Bi3+(5/2)xMg2â^'xNb3â€“(3/2)xO14â^'x cubic pyrochlores. Ceramics International, 2014, 40, 4237-4246.	4.8	32
52	Synthesis and electrochemical properties of nanostructured nickel-cobalt oxides as supercapacitor electrodes in aqueous media. International Journal of Energy Research, 2015, 39, 1366-1377.	4.5	32
53	Effect of supporting electrolytes in electrochemically-assisted photodegradation of an azo dye. Journal of Photochemistry and Photobiology A: Chemistry, 2005, 172, 316-321.	3.9	31
54	Nickelâ€“cobalt oxide/activated carbon composite electrodes for electrochemical capacitors. Current Applied Physics, 2012, 12, 1421-1428.	2.4	30

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55	Influence of Monomer Concentration on the Morphologies and Electrochemical Properties of PEDOT, PANI, and PPy Prepared from Aqueous Solution. International Journal of Polymer Science, 2016, 2016, 1-12.	2.7	30
56	Anodization Parameters Influencing the Growth of Titania Nanotubes and Their Photoelectrochemical Response. International Journal of Photoenergy, 2012, 2012, 1-9.	2.5	29
57	Effect of bath temperature on the electrodeposition of copper tin selenide films from aqueous solution. Materials Letters, 2004, 58, 2199-2202.	2.6	28
58	In Vitro Inhibition of Histamine Release Behavior of Cetirizine Intercalated into Zn/Al- and Mg/Al-Layered Double Hydroxides. International Journal of Molecular Sciences, 2012, 13, 5899-5916.	4.1	28
59	Influence of Ce₂O₃ and CeO₂ promoters on Pd/MgO catalysts in the dry-reforming of methane. RSC Advances, 2015, 5, 81739-81752.	3.6	28
60	Synthesis of a monophasic nanohybrid for a controlled release formulation of two active agents simultaneously. Applied Clay Science, 2012, 58, 60-66.	5.2	27
61	Microwave-assisted Biodiesel Production by Esterification of Palm Fatty Acid Distillate. Journal of Oleo Science, 2014, 63, 849-855.	1.4	27
62	Photoactive Hybrid Film Photocatalyst of Polyethersulfone-ZnO for the Degradation of Methyl Orange Dye: Kinetic Study and Operational Parameters. Catalysts, 2017, 7, 313.	3.5	27
63	Electrochemical Energy Storage Potentials of Waste Biomass: Oil Palm Leaf- and Palm Kernel Shell-Derived Activated Carbons. Energies, 2018, 11, 3410.	3.1	27
64	Electrodeposited SnS thin films from aqueous solution. Journal of Materials Science Letters, 1997, 16, 1446-1449.	0.5	26
65	A chemical sensor for trace V(V) ion determination based on fatty hydroxamic acid immobilized in polymethylmethacrylate. Sensors and Actuators B: Chemical, 2006, 114, 344-349.	7.8	26
66	Photocatalytic Degradation of 2,4-dichlorophenol in Irradiated Aqueous ZnO Suspension. International Journal of Chemistry, 2010, 2, .	0.3	26
67	Thermal behavior of lignocellulosic materials under aerobic/anaerobic environments. International Journal of Hydrogen Energy, 2013, 38, 16011-16019.	7.1	26
68	Synthesis of 4-Chlorophenoxyacetate-Zinc-Aluminium-Layered Double Hydroxide Nanocomposite: Physico-Chemical and Controlled Release Properties. Journal of Nanoscience and Nanotechnology, 2007, 7, 2852-2862.	0.9	25
69	Photodegradation of m-cresol by Zinc Oxide under Visible-light Irradiation. International Journal of Chemistry, 2011, 3, .	0.3	25
70	Synthesis of Phenoxyherbicides-Intercalated Layered Double Hydroxide Nanohybrids and Their Controlled Release Property. Current Nanoscience, 2010, 6, 199-205.	1.2	24
71	Synthesis of Nanocrystalline SnOx (x = 1â€“2) Thin Film Using a Chemical Bath Deposition Method with Improved Deposition Time, Temperature and pH. Sensors, 2011, 11, 9207-9216.	3.8	23
72	Synthesis and Electrical Properties of Znâ€substituted Bismuth Copper Tantalate Pyrochlores. International Journal of Applied Ceramic Technology, 2016, 13, 718-725.	2.1	23

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73	Hydrothermal deposition of CdS on vertically aligned ZnO nanorods for photoelectrochemical solar cell application. Journal of Materials Science: Materials in Electronics, 2016, 27, 7353-7360.	2.2	23
74	Electrodeposition of nickel selenide thin films in the presence of triethanolamine as a complexing agent. Journal of Materials Science: Materials in Electronics, 2005, 16, 111-117.	2.2	22
75	Comparative study of Mg/Al- and Zn/Al-layered double hydroxide-perindopril erbumine nanocomposites for inhibition of angiotensin-converting enzyme. International Journal of Nanomedicine, 2012, 7, 4251.	6.7	22
76	Synthesis and controlled release properties of 2,4-dichlorophenoxy acetateâ€“zinc layered hydroxide nanohybrid. Journal of Solid State Chemistry, 2013, 203, 19-24.	2.9	22
77	Effect of Temperature and Growth Time on Vertically Aligned ZnO Nanorods by Simplified Hydrothermal Technique for Photoelectrochemical Cells. Materials, 2018, 11, 704.	2.9	22
78	Properties and Photoelectrocatalytic Behaviour of Sol-Gel Derived TiO2 Thin Films. Journal of Sol-Gel Science and Technology, 2006, 37, 19-25.	2.4	21
79	A Novel Poly(3,4-ethylenedioxythiophene)-graphene Oxide/Titanium Dioxide Composites Counter Electrode for Dye-Sensitized Solar Cell. Journal of Nanomaterials, 2017, 2017, 1-9.	2.7	20
80	Controlled Release Formulation of Agrochemical Pesticide Based on 4-(2,4-dichlorophenoxy)butyrate Nanohybrid. Journal of Nanoscience and Nanotechnology, 2009, 9, 2140-2147.	0.9	19
81	The Effect of Single, Binary and Ternary Anions of Chloride, Carbonate and Phosphate on the Release of 2,4-Dichlorophenoxyacetate Intercalated into the Znâ€“Al-layered Double Hydroxide Nanohybrid. Nanoscale Research Letters, 2009, 4, 1351-7.	5.7	19
82	TiO2/Ag modified penta-bismuth hepta-oxide nitrate and its adsorption performance for azo dye removal. Journal of Environmental Sciences, 2012, 24, 1876-1884.	6.1	19
83	Anticancer nanodelivery system with controlled release property based on protocatechuate–zinc layered hydroxide nanohybrid. International Journal of Nanomedicine, 2014, 9, 3137.	6.7	19
84	Enhanced photoelectrochemical performance of ZnO nanorod arrays decorated with CdS shell and Ag2S quantum dots. Superlattices and Microstructures, 2017, 103, 295-303.	3.1	19
85	Fabrication of CdSe nanoparticles sensitized TiO 2 nanotube arrays via pulse electrodeposition for photoelectrochemical application. Materials Research Bulletin, 2018, 106, 257-262.	5.2	19
86	Subsolidus formation and impedance spectroscopy studies of materials in the (Bi2O3)1â^' (Y2O3) binary system. Ceramics International, 2012, 38, 3403-3409.	4.8	18
87	Effect of heat treatment on photoelectrochemical performance of hydrothermally synthesised Ag2S/ZnO nanorods arrays. Chemical Physics Letters, 2018, 710, 100-107.	2.6	18
88	Visible light-active hybrid film photocatalyst of polyethersulfoneâ€“reduced TiO2: photocatalytic response and radical trapping investigation. Journal of Materials Science, 2018, 53, 13264-13279.	3.7	18
89	Structural and transport mechanism studies of copper selenide nanoparticles. Semiconductor Science and Technology, 2019, 34, 125017.	2.0	18
90	Ag2S/ZnO Nanorods Composite Photoelectrode Prepared by Hydrothermal Method: Influence of Growth Temperature. Optik, 2019, 184, 473-479.	2.9	18

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91	Effect of incoming and outgoing exchangeable anions on the release kinetics of phenoxyherbicides nanohybrids. Journal of Hazardous Materials, 2010, 182, 563-569.	12.4	17
92	Synthesis of carbon nanohornâ€“carbon nanotube hybrids using palm olein as a precursor. Carbon, 2013, 54, 492-494.	10.3	17
93	Structure and Surface Transformations of Humic-Adsorbed Synthetic Hydrotalcite-Like Materials. Journal of Porous Materials, 2001, 8, 219-226.	2.6	16
94	THE USE OF Mg/Al LAYERED DOUBLE HYDROXIDE FOR COLOR REMOVAL OF TEXTILE WASTEWATER. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2001, 36, 565-573.	1.7	16
95	Synthesis of an herbicidesâ€“inorganic nanohybrid compound by ion exchange-intercalation of 3(2-chlorophenoxy)propionate into layered double hydroxide. Journal of Experimental Nanoscience, 2010, 5, 548-558.	2.4	16
96	Raman Spectroscopic Study of Carbon Nanotubes Prepared Using Fe/ZnO-Palm Olein-Chemical Vapour Deposition. Journal of Nanomaterials, 2012, 2012, 1-6.	2.7	16
97	Enhanced photodegradation ofo-cresol in aqueous Mn(1%)-doped ZnO suspensions. Environmental Technology (United Kingdom), 2012, 33, 1183-1189.	2.2	16
98	Electrochemical deposition of CdSe-sensitized TiO2 nanotube arrays with enhanced photoelectrochemical performance for solar cell application. Journal of Materials Science: Materials in Electronics, 2016, 27, 5204-5210.	2.2	16
99	The effect of surface area on the properties of shape-stabilized phase change material prepared using palm kernel shell activated carbon. Scientific Reports, 2020, 10, 15047.	3.3	16
100	Enhanced photoelectrochemical performance of Bi2S3/Ag2S/ZnO novel ternary heterostructure nanorods. Arabian Journal of Chemistry, 2020, 13, 9166-9178.	4.9	16
101	Hierarchical HZSM-5 for Catalytic Cracking of Oleic Acid to Biofuels. Nanomaterials, 2021, 11, 747.	4.1	16
102	Stoichiometry and doping mechanism of the cubic pyrochlore phase in the system Bi2O3â€“ZnOâ€“Nb2O5. Journal of Materials Chemistry, 2005, 15, 3501.	6.7	15
103	Synthesis of self-assembled nanorod vanadium oxide bundles by sonochemical treatment. Journal of Natural Gas Chemistry, 2009, 18, 312-318.	1.8	15
104	Simultaneous intercalation and release of 2,4-dichloro- and 4-chloro-phenoxy acetates into Zn/Al layered double hydroxide. Arabian Journal of Chemistry, 2016, 9, S1457-S1463.	4.9	15
105	Title is missing!. Catalysis Letters, 2001, 74, 99-104.	2.6	14
106	Prediction of grain size, thickness and absorbance of nanocrystalline tin oxide thin film by Taguchi robust design. Solid State Sciences, 2010, 12, 1323-1327.	3.2	14
107	Enhancement of Capacitive Performance in Titania Nanotubes Modified by an Electrochemical Reduction Method. Journal of Nanomaterials, 2018, 2018, 1-9.	2.7	14
108	Synthesis of Binary Bi2S3/ZnO Nanorod Array Heterostructure and Their Photoelectrochemical Performance. Journal of Nanomaterials, 2019, 2019, 1-10.	2.7	14

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109	PES-Ag3PO4/g-C3N4 Mixed Matrix Film Photocatalyst for Degradation of Methyl Orange Dye. Polymers, 2021, 13, 1746.	4.5	14
110	Optical fibre chemical sensor for trace vanadium(V) determination based on newly synthesized palm based fatty hydroxamic acid immobilized in polyvinyl chloride membrane. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 67, 1398-1402.	3.9	13
111	Development of New Carbon-Based Electrode Material from Oil Palm Waste-Derived Reduced Graphene Oxide and Its Capacitive Performance Evaluation. Journal of Nanomaterials, 2019, 2019, 1-13.	2.7	13
112	Kaolinâ€“Carbon Adsorbents for Carotene Removal of Red Palm Oil. Journal of Colloid and Interface Science, 2001, 235, 93-100.	9.4	12
113	Properties of tin sulphide thin films electrodeposited in the presence of triethanolamine. Journal of Materials Science: Materials in Electronics, 2005, 16, 281-285.	2.2	12
114	Synthesis and Characterisation of Penta-Bismuth Hepta-Oxide Nitrate, Bi5O7NO3, as a New Adsorbent for Methyl Orange Removal from an Aqueous Solution. E-Journal of Chemistry, 2012, 9, 2429-2438.	0.5	12
115	CuZnSnSe Thin Film Electrodes Prepared by Vacuum Evaporation: Enhancement of Surface Morphology and Photoelectrochemical Characteristics by Argon Gas. Materials Science Forum, 2013, 756, 273-280.	0.3	12
116	Nano-encapsulated n-nonadecane using vinyl copolymer shell for thermal energy storage medium. Macromolecular Research, 2015, 23, 658-669.	2.4	12
117	Sensitization of TiO2 nanotube arrays photoelectrode via homogeneous distribution of CdSe nanoparticles by electrodeposition techniques. Journal of Physics and Chemistry of Solids, 2021, 153, 110006.	4.0	12
118	Development of the Anticancer Potential of a Chlorogenate-Zinc Layered Hydroxide Nanohybrid with Controlled Release Property Against Various Cancer Cells. Science of Advanced Materials, 2013, 5, 1983-1993.	0.7	12
119	Bismuth Basic Nitrate as a Novel Adsorbent for Azo Dye Removal. E-Journal of Chemistry, 2012, 9, 1885-1896.	0.5	11
120	Novel monoclinic zirconolite in Bi2O3â€“CuOâ€“Ta2O5 ternary system: Phase equilibria, structural and electrical properties. Journal of Alloys and Compounds, 2014, 592, 140-149.	5.5	11
121	Capacitive performance of vertically aligned reduced titania nanotubes coated with Mn₂O₃ by reverse pulse electrodeposition. RSC Advances, 2018, 8, 23040-23047.	3.6	11
122	Functionalized Activated Carbon Derived from Palm Kernel Shells for the Treatment of Simulated Heavy Metal-Contaminated Water. Nanomaterials, 2021, 11, 3133.	4.1	11
123	Title is missing!. Journal of Materials Synthesis and Processing, 2002, 10, 89-95.	0.3	10
124	Electrochemical assisted photodegradation of oxalate ions using solâ€“gel coated TiO2 on ITO glass. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2004, 111, 57-63.	3.5	10
125	Synthesis of carbon nano- and microspheres using palm olein as the carbon source. Materials Letters, 2012, 78, 205-208.	2.6	10
126	SnSe Thin Film Electrodes Prepared by Vacuum Evaporation: Enhancement of Photoelectrochemical Efficiency by Argon Gas Condensation Method. Electrochemistry, 2014, 82, 25-30.	1.4	10

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127	Electrocatalytic Study of Paracetamol at a Single-Walled Carbon Nanotube/Nickel Nanocomposite Modified Glassy Carbon Electrode. Advances in Materials Science and Engineering, 2015, 2015, 1-8.	1.8	10
128	Fabrication of Highly Ordered TiO₂ Nanotubes from Fluoride Containing Aqueous Electrolyte by Anodic Oxidation and Their Photoelectrochemical Response. Journal of Nanoscience and Nanotechnology, 2011, 11, 4900-4909.	0.9	9
129	Adsorptive performance of penta-bismuth hepta-oxide nitrate, Bi5O7NO3, for removal of methyl orange dye. Water Science and Technology, 2012, 65, 1632-1638.	2.5	9
130	Formation and Yield of Multi-Walled Carbon Nanotubes Synthesized via Chemical Vapour Deposition Routes Using Different Metal-Based Catalysts of FeCoNiAl, CoNiAl and FeNiAl-LDH. International Journal of Molecular Sciences, 2014, 15, 20254-20265.	4.1	9
131	An Electrochemical Biosensor for the Determination ofGanoderma boninensePathogen Based on a Novel Modified Gold Nanocomposite Film Electrode. Analytical Letters, 2014, 47, 819-832.	1.8	9
132	Electrodeposition and characterization of Cu2S thin films from aqueous solution. Journal of Materials Science: Materials in Electronics, 2001, 12, 147-152.	2.2	8
133	Characterization of CdTe Films Deposited at Various Bath Temperatures and Concentrations Using Electrophoretic Deposition. International Journal of Molecular Sciences, 2012, 13, 5706-5714.	4.1	8
134	Preparation and photovoltaic property of a new hybrid nanocrystalline SnO2/Polypyrrole pâ€“n heterojunction. Optical and Quantum Electronics, 2012, 43, 129-136.	3.3	8
135	Improved sinterability and conductivity enhancement of 10-mol% calcium-doped ceria using different fuel-aided combustion reactions and its structural characterisation. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2014, 185, 26-36.	3.5	8
136	Photocurrent enhancement of heat treated CdSe-sensitized titania nanotube photoelectrode. Optical and Quantum Electronics, 2017, 49, 1.	3.3	8
137	Electrochemically Reduced Titania Nanotube Synthesized from Glycerol-Based Electrolyte as Supercapacitor Electrode. Energies, 2020, 13, 2767.	3.1	8
138	Preparation and properties of zinc layered hydroxide with nitrate and phosphate as the counter anion, a novel control release fertilizer formulation. Journal of Porous Materials, 2021, 28, 1797-1811.	2.6	8
139	The effect of polyvinyl alcohol addition on the physicochemical properties of ZnO synthesized by ethylene glycol-hydrothermal method. Materials Chemistry and Physics, 2010, 124, 477-481.	4.0	7
140	Inorganic-based phytohormone delivery vector of 2-chloroethylphosphonate nanohybrid: a new stimulating compound with controlled release property to increase latex production. Journal of Experimental Nanoscience, 2010, 5, 310-318.	2.4	7
141	Electrochemical Oxidation of Paracetamol Mediated byMgB₂Microparticles Modified Glassy Carbon Electrode. E-Journal of Chemistry, 2011, 8, 553-560.	0.5	7
142	The effect of substitution of zinc with aluminium in the brucite-like layers on the physicochemical properties of zinc-aluminium-layered double hydroxide-pamoate nanocomposite. Journal of Porous Materials, 2012, 19, 45-51.	2.6	7
143	Investigation of the phase formation and dielectric properties of Bi7Ta3O18. Journal of Alloys and Compounds, 2014, 590, 479-485.	5.5	7
144	Film electrodes deposited from Cu2SnSe3 source in comparison with those deposited from SnSe and Cu2ZnSnSe4 sources by thermal vacuum evaporation: Effect of argon gas flow rate. Electrochimica Acta, 2014, 139, 238-243.	5.2	7

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145	Structural, optical, magnetic and photoelectrochemical properties of (BiFeO3)1â^'x(Fe3O4)x nanocomposites. Journal of Sol-Gel Science and Technology, 2019, 91, 624-633.	2.4	7
146	Optimizing the route for medium temperature-activated carbon derived from agro-based waste material. Biomass Conversion and Biorefinery, 2023, 13, 119-130.	4.6	7
147	Synthesis and Ionic Conductivity of Mechanically Synthesized Yttrium-doped Ceria Solid Solutions. Journal of Applied Sciences, 2011, 11, 1285-1290.	0.3	7
148	EFFECT OF NANO-SIZED OXALATE PRECURSOR ON THE FORMATION OF GdBa2Cu3O7-Î´ PHASE VIA COPRECIPITATION METHOD. Modern Physics Letters B, 2009, 23, 2063-2068.	1.9	6
149	Parameter Optimisation of Carbon Nanotubes Synthesis via Hexane Decomposition over Minerals Generated fromAnadara granosaShells as the Catalyst Support. Journal of Nanomaterials, 2012, 2012, 1-9.	2.7	6
150	Mechanochemical solid state synthesis and optical properties of Cd0.5Zn0.5Se nanocrystals. Journal of Materials Science, 2015, 50, 457-462.	3.7	6
151	Study the Effect of the Heat Treatment on the Photoelectrochemical Performance of Binary Heterostructured Photoanode Ag₂S/ ZnO Nanorod Arrays in Photoelectrochemical Cells. Materials Science Forum, 2020, 1002, 187-199.	0.3	6
152	Pickering-emulsion-templated synthesis of 3D hollow graphene as an efficient oil absorbent. RSC Advances, 2021, 11, 3963-3971.	3.6	6
153	Effect of calcination temperatures on physicochemical properties of vanadiumâ€“antimony mixed oxide catalysts. Catalysis Today, 2004, 93-95, 631-637.	4.4	5
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