

Zulkarnain Zainal

List of Publications by Year in descending order

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195
papers

5,882
citations

81900

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98798

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196
all docs

196
docs citations

196
times ranked

7032
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#	ARTICLE	IF	CITATIONS
1	Optimizing the route for medium temperature-activated carbon derived from agro-based waste material. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 119-130.	4.6	7
2	Effect of isothermal ageing process on microstructural changes in Bi-Ag lead-free solder alloys. <i>Advances in Materials and Processing Technologies</i> , 2022, 8, 161-168.	1.4	1
3	Nanomaterials for the Treatment of Heavy Metal Contaminated Water. <i>Polymers</i> , 2022, 14, 583.	4.5	39
4	Effect of Varying AgNO ₃ and CS(NH ₂) ₂ Concentrations on Performance of Ag ₂ S/ZnO NRs/ITO Photoanode. <i>Energies</i> , 2022, 15, 2950.	3.1	3
5	Enhanced Capacitive Performance of Manganese Oxide/Mesoporous Carbon Composite Film Electrodes. <i>Journal of Electronic Materials</i> , 2021, 50, 419-431.	2.2	2
6	Molecular imprinted polymer for β -carotene for application in palm oil mill effluent treatment. <i>Arabian Journal of Chemistry</i> , 2021, 14, 102928.	4.9	3
7	Enhanced capacitive performance of cathodically reduced titania nanotubes pulsed deposited with Mn ₂ O ₃ as supercapacitor electrode. <i>RSC Advances</i> , 2021, 11, 26700-26709.	3.6	4
8	Pickering-emulsion-templated synthesis of 3D hollow graphene as an efficient oil absorbent. <i>RSC Advances</i> , 2021, 11, 3963-3971.	3.6	6
9	Hierarchical HZSM-5 for Catalytic Cracking of Oleic Acid to Biofuels. <i>Nanomaterials</i> , 2021, 11, 747.	4.1	16
10	PES-Ag ₃ PO ₄ /g-C ₃ N ₄ Mixed Matrix Film Photocatalyst for Degradation of Methyl Orange Dye. <i>Polymers</i> , 2021, 13, 1746.	4.5	14
11	Sensitization of TiO ₂ nanotube arrays photoelectrode via homogeneous distribution of CdSe nanoparticles by electrodeposition techniques. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 153, 110006.	4.0	12
12	Preparation and properties of zinc layered hydroxide with nitrate and phosphate as the counter anion, a novel control release fertilizer formulation. <i>Journal of Porous Materials</i> , 2021, 28, 1797-1811.	2.6	8
13	Functionalized Activated Carbon Derived from Palm Kernel Shells for the Treatment of Simulated Heavy Metal-Contaminated Water. <i>Nanomaterials</i> , 2021, 11, 3133.	4.1	11
14	Preparation, Characterisation and Antibacterial Activity of Carvacrol Encapsulated in Gellan Gum Hydrogel. <i>Polymers</i> , 2021, 13, 4153.	4.5	3
15	The effect of surface area on the properties of shape-stabilized phase change material prepared using palm kernel shell activated carbon. <i>Scientific Reports</i> , 2020, 10, 15047.	3.3	16
16	Enhanced photoelectrochemical performance of Bi ₂ S ₃ /Ag ₂ S/ZnO novel ternary heterostructure nanorods. <i>Arabian Journal of Chemistry</i> , 2020, 13, 9166-9178.	4.9	16
17	Enhanced decolourization of methyl orange by immobilized TiO ₂ /chitosan-montmorillonite. <i>Water Science and Technology</i> , 2020, 82, 454-467.	2.5	0
18	Study the Effect of the Heat Treatment on the Photoelectrochemical Performance of Binary Heterostructured Photoanode Ag ₂ S/ ZnO Nanorod Arrays in Photoelectrochemical Cells. <i>Materials Science Forum</i> , 2020, 1002, 187-199.	0.3	6

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19	Electrochemically Reduced Titania Nanotube Synthesized from Glycerol-Based Electrolyte as Supercapacitor Electrode. <i>Energies</i> , 2020, 13, 2767.	3.1	8
20	Structural, optical, magnetic and photoelectrochemical properties of (BiFeO ₃) _{1-x} (Fe ₃ O ₄) _x nanocomposites. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 91, 624-633.	2.4	7
21	Structural and transport mechanism studies of copper selenide nanoparticles. <i>Semiconductor Science and Technology</i> , 2019, 34, 125017.	2.0	18
22	Synthesis of Binary Bi ₂ S ₃ /ZnO Nanorod Array Heterostructure and Their Photoelectrochemical Performance. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-10.	2.7	14
23	Characterization of thymoquinone/hydroxypropyl-β-cyclodextrin inclusion complex: Application to anti-allergy properties. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 133, 167-182.	4.0	46
24	Ag ₂ S/ZnO Nanorods Composite Photoelectrode Prepared by Hydrothermal Method: Influence of Growth Temperature. <i>Optik</i> , 2019, 184, 473-479.	2.9	18
25	Development of New Carbon-Based Electrode Material from Oil Palm Waste-Derived Reduced Graphene Oxide and Its Capacitive Performance Evaluation. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-13.	2.7	13
26	Activated Carbon for Supercapacitors. , 2019, , 309-334.		4
27	Activated Carbon for Shape-Stabilized Phase Change Material. , 2019, , 279-308.		5
28	Theoretical and experimental models for the synthesis of single-walled carbon nanotubes and their electrochemical properties. <i>Journal of Applied Electrochemistry</i> , 2018, 48, 287-304.	2.9	3
29	Cesium Lead Halide Inorganic-Based Perovskite-Sensitized Solar Cell for Photo-Supercapacitor Application under High Humidity Condition. <i>ACS Applied Energy Materials</i> , 2018, 1, 692-699.	5.1	52
30	Fabrication of poly(vinyl alcohol)-graphene quantum dots coated with poly(3,4-ethylenedioxythiophene) for supercapacitor. <i>Journal of Polymer Science Part A</i> , 2018, 56, 50-58.	2.3	42
31	Electrochemical Energy Storage Potentials of Waste Biomass: Oil Palm Leaf- and Palm Kernel Shell-Derived Activated Carbons. <i>Energies</i> , 2018, 11, 3410.	3.1	27
32	Palm Kernel Shell Activated Carbon as an Inorganic Framework for Shape-Stabilized Phase Change Material. <i>Nanomaterials</i> , 2018, 8, 689.	4.1	43
33	Fabrication of CdSe nanoparticles sensitized TiO ₂ nanotube arrays via pulse electrodeposition for photoelectrochemical application. <i>Materials Research Bulletin</i> , 2018, 106, 257-262.	5.2	19
34	Capacitive performance of vertically aligned reduced titania nanotubes coated with Mn ₂ O ₃ by reverse pulse electrodeposition. <i>RSC Advances</i> , 2018, 8, 23040-23047.	3.6	11
35	Enhancement of Capacitive Performance in Titania Nanotubes Modified by an Electrochemical Reduction Method. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-9.	2.7	14
36	Effect of electrolytes on the electrochemical performance of nickel cobaltite-titania nanotubes composites as supercapacitive materials. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 14445-14454.	2.2	4

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37	Carbon-Based Nanomaterials/Allotropes: A Glimpse of Their Synthesis, Properties and Some Applications. <i>Materials</i> , 2018, 11, 295.	2.9	239
38	Effect of Temperature and Growth Time on Vertically Aligned ZnO Nanorods by Simplified Hydrothermal Technique for Photoelectrochemical Cells. <i>Materials</i> , 2018, 11, 704.	2.9	22
39	Effect of heat treatment on photoelectrochemical performance of hydrothermally synthesised Ag ₂ S/ZnO nanorods arrays. <i>Chemical Physics Letters</i> , 2018, 710, 100-107.	2.6	18
40	Visible light-active hybrid film photocatalyst of polyethersulfone- α -reduced TiO ₂ : photocatalytic response and radical trapping investigation. <i>Journal of Materials Science</i> , 2018, 53, 13264-13279.	3.7	18
41	Enhanced photoelectrochemical performance of ZnO nanorod arrays decorated with CdS shell and Ag ₂ S quantum dots. <i>Superlattices and Microstructures</i> , 2017, 103, 295-303.	3.1	19
42	Photocurrent enhancement of heat treated CdSe-sensitized titania nanotube photoelectrode. <i>Optical and Quantum Electronics</i> , 2017, 49, 1.	3.3	8
43	Oil Palm Waste-Based Precursors as a Renewable and Economical Carbon Sources for the Preparation of Reduced Graphene Oxide from Graphene Oxide. <i>Nanomaterials</i> , 2017, 7, 182.	4.1	58
44	Photoactive Hybrid Film Photocatalyst of Polyethersulfone-ZnO for the Degradation of Methyl Orange Dye: Kinetic Study and Operational Parameters. <i>Catalysts</i> , 2017, 7, 313.	3.5	27
45	Pinned Luminescence Emission and Absorbance Band from Ultrasmall Ball-Milled Cd _{0.3} Zn _{0.7} Se Nanocrystals. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-6.	2.7	0
46	A Novel Poly(3,4-ethylenedioxythiophene)-graphene Oxide/Titanium Dioxide Composites Counter Electrode for Dye-Sensitized Solar Cell. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-9.	2.7	20
47	Simultaneous intercalation and release of 2,4-dichloro- and 4-chloro-phenoxy acetates into Zn/Al layered double hydroxide. <i>Arabian Journal of Chemistry</i> , 2016, 9, S1457-S1463.	4.9	15
48	Influence of Monomer Concentration on the Morphologies and Electrochemical Properties of PEDOT, PANI, and PPy Prepared from Aqueous Solution. <i>International Journal of Polymer Science</i> , 2016, 2016, 1-12.	2.7	30
49	Synthesis and Electrical Properties of Zn-substituted Bismuth Copper Tantalate Pyrochlores. <i>International Journal of Applied Ceramic Technology</i> , 2016, 13, 718-725.	2.1	23
50	Hydrothermal deposition of CdS on vertically aligned ZnO nanorods for photoelectrochemical solar cell application. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 7353-7360.	2.2	23
51	Effect of hydrothermal growth time on ZnO nanorod arrays photoelectrode performance. <i>Optik</i> , 2016, 127, 11111-11118.	2.9	33
52	Electrochemical deposition of CdSe-sensitized TiO ₂ nanotube arrays with enhanced photoelectrochemical performance for solar cell application. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 5204-5210.	2.2	16
53	INVESTIGATION ON OPTICAL AND PHOTOELECTROCHEMICAL PROPERTIES OF SELF-ASSEMBLED TITANIA NANOTUBE ARRAYS PREPARED BY ANODIZATION. <i>Malaysian Journal of Analytical Sciences</i> , 2016, 20, 121-130.	0.1	4
54	ELECTROCHEMICAL SYNTHESIS OF ORDERED TITANIA NANOTUBES IN MIXTURE OF ETHYLENE GLYCOL AND GLYCEROL ELECTROLYTE. <i>Malaysian Journal of Analytical Sciences</i> , 2016, 20, 373-381.	0.1	3

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55	Electrocatalytic Study of Paracetamol at a Single-Walled Carbon Nanotube/Nickel Nanocomposite Modified Glassy Carbon Electrode. <i>Advances in Materials Science and Engineering</i> , 2015, 2015, 1-8.	1.8	10
56	Activated carbon derived from peat soil as a framework for the preparation of shape-stabilized phase change material. <i>Energy</i> , 2015, 82, 468-478.	8.8	48
57	Encapsulation techniques for organic phase change materials as thermal energy storage medium: A review. <i>Solar Energy Materials and Solar Cells</i> , 2015, 143, 78-98.	6.2	219
58	Shape-stabilised n-octadecane/activated carbon nanocomposite phase change material for thermal energy storage. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 55, 189-197.	5.3	74
59	Synthesis and electrochemical properties of nanostructured nickel-cobalt oxides as supercapacitor electrodes in aqueous media. <i>International Journal of Energy Research</i> , 2015, 39, 1366-1377.	4.5	32
60	Nano-encapsulated n-nonadecane using vinyl copolymer shell for thermal energy storage medium. <i>Macromolecular Research</i> , 2015, 23, 658-669.	2.4	12
61	Influence of Ce ₂ O ₃ and CeO ₂ promoters on Pd/MgO catalysts in the dry-reforming of methane. <i>RSC Advances</i> , 2015, 5, 81739-81752.	3.6	28
62	Mechanochemical solid state synthesis and optical properties of Cd _{0.5} Zn _{0.5} Se nanocrystals. <i>Journal of Materials Science</i> , 2015, 50, 457-462.	3.7	6
63	Synthesis of protocatechuic acid-zinc/aluminium-layered double hydroxide nanocomposite as an anticancer nanodelivery system. <i>Journal of Solid State Chemistry</i> , 2015, 221, 21-31.	2.9	49
64	Recent development in spinel cobaltites for supercapacitor application. <i>Ceramics International</i> , 2015, 41, 1-14.	4.8	92
65	Single-Walled Carbon Nanotube/Tungsten-Modified Glassy Carbon Electrode as a Novel Sensor for the Electrochemical Determination of Ascorbic Acid. <i>Sensor Letters</i> , 2015, 13, 411-418.	0.4	4
66	Anticancer nanodelivery system with controlled release property based on protocatechuic acid-zinc layered hydroxide nano hybrid. <i>International Journal of Nanomedicine</i> , 2014, 9, 3137.	6.7	19
67	Microwave-assisted Biodiesel Production by Esterification of Palm Fatty Acid Distillate. <i>Journal of Oleo Science</i> , 2014, 63, 849-855.	1.4	27
68	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. <i>International Journal of Molecular Sciences</i> , 2014, 15, 20254-20265.	4.1	9
69	Development of Drug Delivery Systems Based on Layered Hydroxides for Nanomedicine. <i>International Journal of Molecular Sciences</i> , 2014, 15, 7750-7786.	4.1	48
70	SnSe Thin Film Electrodes Prepared by Vacuum Evaporation: Enhancement of Photoelectrochemical Efficiency by Argon Gas Condensation Method. <i>Electrochemistry</i> , 2014, 82, 25-30.	1.4	10
71	Novel monoclinic zirconolite in Bi ₂ O ₃ -CuO-Ta ₂ O ₅ ternary system: Phase equilibria, structural and electrical properties. <i>Journal of Alloys and Compounds</i> , 2014, 592, 140-149.	5.5	11
72	Investigation of the phase formation and dielectric properties of Bi ₇ Ta ₃ O ₁₈ . <i>Journal of Alloys and Compounds</i> , 2014, 590, 479-485.	5.5	7

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73	Drug delivery system for an anticancer agent, chlorogenate-Zn/Al-layered double hydroxide nanohybrid synthesised using direct co-precipitation and ion exchange methods. <i>Journal of Solid State Chemistry</i> , 2014, 217, 31-41.	2.9	72
74	An Electrochemical Biosensor for the Determination of <i>Ganoderma boninense</i> Pathogen Based on a Novel Modified Gold Nanocomposite Film Electrode. <i>Analytical Letters</i> , 2014, 47, 819-832.	1.8	9
75	Film electrodes deposited from Cu ₂ SnSe ₃ source in comparison with those deposited from SnSe and Cu ₂ ZnSnSe ₄ sources by thermal vacuum evaporation: Effect of argon gas flow rate. <i>Electrochimica Acta</i> , 2014, 139, 238-243.	5.2	7
76	Improved sinterability and conductivity enhancement of 10-mol% calcium-doped ceria using different fuel-aided combustion reactions and its structural characterisation. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2014, 185, 26-36.	3.5	8
77	Phase equilibria and dielectric properties of Bi _{3+(5/2)x} Mg _{2x} Nb ₃ (^{3/2})xO _{14x} cubic pyrochlores. <i>Ceramics International</i> , 2014, 40, 4237-4246.	4.8	32
78	Effect of argon gas flow rate on properties of film electrodes prepared by thermal vacuum evaporation from synthesized Cu ₂ SnSe ₃ source. , 2014, , .		0
79	Thermal behavior of lignocellulosic materials under aerobic/anaerobic environments. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 16011-16019.	7.1	26
80	CeO ₂ @SiO ₂ supported nickel catalysts for dry reforming of methane toward syngas production. <i>Applied Catalysis A: General</i> , 2013, 468, 359-369.	4.3	79
81	Synthesis of carbon nanohorn@carbon nanotube hybrids using palm olein as a precursor. <i>Carbon</i> , 2013, 54, 492-494.	10.3	17
82	Synthesis and controlled release properties of 2,4-dichlorophenoxy acetate@zinc layered hydroxide nanohybrid. <i>Journal of Solid State Chemistry</i> , 2013, 203, 19-24.	2.9	22
83	Effect of Electrolyte Concentration on the Morphology and Photoelectrochemical Response of Titania Nanotubes Prepared by Electrochemical Anodisation. <i>Advanced Materials Research</i> , 2013, 832, 744-748.	0.3	0
84	Preparation and Thermal Stability Characterization of Copper Tin Selenide Semiconductor Nanoparticles. <i>Materials Science Forum</i> , 2013, 756, 66-73.	0.3	3
85	CuZnSnSe Thin Film Electrodes Prepared by Vacuum Evaporation: Enhancement of Surface Morphology and Photoelectrochemical Characteristics by Argon Gas. <i>Materials Science Forum</i> , 2013, 756, 273-280.	0.3	12
86	Morphology and Dimensions Controlled of Titania Nanotubes in Mixed Organic-Inorganic Electrolyte. <i>Advanced Materials Research</i> , 2013, 686, 13-17.	0.3	1
87	Cytotoxicity of nickel zinc ferrite nanoparticles on cancer cells of epithelial origin. <i>International Journal of Nanomedicine</i> , 2013, 8, 2497.	6.7	84
88	Induction of apoptosis in cancer cells by NiZn ferrite nanoparticles through mitochondrial cytochrome C release. <i>International Journal of Nanomedicine</i> , 2013, 8, 4115.	6.7	34
89	Morphologies of Nanostuctured ZnO Prepared by Matrix-Assisted Method and its Effects on Photocatalytic Activity. <i>Asian Journal of Chemistry</i> , 2013, 25, 10230-10232.	0.3	1
90	Preparation and controlled-release studies of a protocatechuic acid-magnesium/aluminum-layered double hydroxide nanocomposite. <i>International Journal of Nanomedicine</i> , 2013, 8, 1975.	6.7	51

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91	Synthesis and Impedance Studies of CuTa_2O_6 Perovskites. <i>Advanced Science Letters</i> , 2013, 19, 992-996.	0.2	1
92	Development of the Anticancer Potential of a Chlorogenate-Zinc Layered Hydroxide Nanohybrid with Controlled Release Property Against Various Cancer Cells. <i>Science of Advanced Materials</i> , 2013, 5, 1983-1993.	0.7	12
93	Herbicide-Intercalated Zinc Layered Hydroxide Nanohybrid for a Dual-Guest Controlled Release Formulation. <i>International Journal of Molecular Sciences</i> , 2012, 13, 7328-7342.	4.1	38
94	Characterization of CdTe Films Deposited at Various Bath Temperatures and Concentrations Using Electrophoretic Deposition. <i>International Journal of Molecular Sciences</i> , 2012, 13, 5706-5714.	4.1	8
95	Adsorptive performance of penta-bismuth hepta-oxide nitrate, $\text{Bi}_5\text{O}_7\text{NO}_3$, for removal of methyl orange dye. <i>Water Science and Technology</i> , 2012, 65, 1632-1638.	2.5	9
96	Effect of Ethylenediamine Tetraacetic Acid in Electrochemical Deposition of Zinc Selenide. <i>Advanced Materials Research</i> , 2012, 501, 231-235.	0.3	0
97	Anodization Parameters Influencing the Growth of Titania Nanotubes and Their Photoelectrochemical Response. <i>International Journal of Photoenergy</i> , 2012, 2012, 1-9.	2.5	29
98	Parameter Optimisation of Carbon Nanotubes Synthesis via Hexane Decomposition over Minerals Generated from <i>Anadara granosa</i> Shells as the Catalyst Support. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-9.	2.7	6
99	In Vitro Inhibition of Histamine Release Behavior of Cetirizine Intercalated into Zn/Al- and Mg/Al-Layered Double Hydroxides. <i>International Journal of Molecular Sciences</i> , 2012, 13, 5899-5916.	4.1	28
100	Raman Spectroscopic Study of Carbon Nanotubes Prepared Using Fe/ZnO-Palm Olein-Chemical Vapour Deposition. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-6.	2.7	16
101	Photodegradation of p-cresol in Aqueous Mn(1%)-Doped ZnO Suspensions. <i>Journal of Advanced Oxidation Technologies</i> , 2012, 15, .	0.5	1
102	Enhanced photodegradation of p-cresol in aqueous Mn(1%)-doped ZnO suspensions. <i>Environmental Technology (United Kingdom)</i> , 2012, 33, 1183-1189.	2.2	16
103	Nickel-cobalt oxide/activated carbon composite electrodes for electrochemical capacitors. <i>Current Applied Physics</i> , 2012, 12, 1421-1428.	2.4	30
104	Synthesis of a monophasic nanohybrid for a controlled release formulation of two active agents simultaneously. <i>Applied Clay Science</i> , 2012, 58, 60-66.	5.2	27
105	Structural and electrical properties of bismuth magnesium tantalate pyrochlores. <i>Ceramics International</i> , 2012, 38, 5401-5409.	4.8	40
106	Photocatalytic Degradation of p-Cresol by Zinc Oxide under UV Irradiation. <i>International Journal of Molecular Sciences</i> , 2012, 13, 302-315.	4.1	76
107	TiO ₂ /Ag modified penta-bismuth hepta-oxide nitrate and its adsorption performance for azo dye removal. <i>Journal of Environmental Sciences</i> , 2012, 24, 1876-1884.	6.1	19
108	Bismuth Basic Nitrate as a Novel Adsorbent for Azo Dye Removal. <i>E-Journal of Chemistry</i> , 2012, 9, 1885-1896.	0.5	11

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109	Photocatalytic degradation of 1,4-benzoquinone in aqueous ZnO dispersions. <i>Journal of the Brazilian Chemical Society</i> , 2012, 23, 236-240.	0.6	39
110	Synthesis and Characterisation of Penta-Bismuth Hepta-Oxide Nitrate, Bi ₅ O ₇ NO ₃ , as a New Adsorbent for Methyl Orange Removal from an Aqueous Solution. <i>E-Journal of Chemistry</i> , 2012, 9, 2429-2438.	0.5	12
111	Controlled-release formulation of antihistamine based on cetirizine zinc-layered hydroxide nanocomposites and its effect on histamine release from basophilic leukemia (RBL-2H3) cells. <i>International Journal of Nanomedicine</i> , 2012, 7, 3351.	6.7	36
112	Comparative study of Mg/Al- and Zn/Al-layered double hydroxide-perindopril erbumine nanocomposites for inhibition of angiotensin-converting enzyme. <i>International Journal of Nanomedicine</i> , 2012, 7, 4251.	6.7	22
113	Controlled release and angiotensin-converting enzyme inhibition properties of an antihypertensive drug based on a perindopril erbumine-layered double hydroxide nanocomposite. <i>International Journal of Nanomedicine</i> , 2012, 7, 2129.	6.7	41
114	Effect of Doping of Zn and Ca into ErBa ₂ Cu ₃ O ₇ Superconductor Prepared via Co-precipitation Method. <i>Journal of Superconductivity and Novel Magnetism</i> , 2012, 25, 255-260.	1.8	4
115	Phase formation of REBa ₂ Cu ₃ O ₇ (RE: Y _{0.5} Gd _{0.5} , Y _{0.5} Nd _{0.5} , Nd _{0.5} Gd _{0.5}) superconductors from nanopowders synthesised via co-precipitation. <i>Ceramics International</i> , 2012, 38, 1187-1193.	4.8	3
116	Subsolidus formation and impedance spectroscopy studies of materials in the (Bi ₂ O ₃) _{1-x} (Y ₂ O ₃) _x binary system. <i>Ceramics International</i> , 2012, 38, 3403-3409.	4.8	18
117	Structural and electrochemical properties of manganese substituted nickel cobaltite for supercapacitor application. <i>Electrochimica Acta</i> , 2012, 67, 67-72.	5.2	52
118	Synthesis of carbon nano- and microspheres using palm olein as the carbon source. <i>Materials Letters</i> , 2012, 78, 205-208.	2.6	10
119	Preparation and photovoltaic property of a new hybrid nanocrystalline SnO ₂ /Polypyrrole heterojunction. <i>Optical and Quantum Electronics</i> , 2012, 43, 129-136.	3.3	8
120	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. <i>Journal of Porous Materials</i> , 2012, 19, 45-51.	2.6	7
121	Effect of Electrolyte Composition in Electrochemical Synthesis of Self-Organized TiO ₂ Nanotubes. <i>Advanced Materials Research</i> , 2011, 364, 298-302.	0.3	3
122	Photodegradation of m-cresol by Zinc Oxide under Visible-light Irradiation. <i>International Journal of Chemistry</i> , 2011, 3, .	0.3	25
123	Preparation of hippurate-zinc layered hydroxide nanohybrid and its synergistic effect with tamoxifen on HepG2 cell lines. <i>International Journal of Nanomedicine</i> , 2011, 6, 3099.	6.7	39
124	Electrochemical Oxidation of Paracetamol Mediated by MgB ₂ Microparticles Modified Glassy Carbon Electrode. <i>E-Journal of Chemistry</i> , 2011, 8, 553-560.	0.5	7
125	Synthesis of Nanocrystalline SnO _x (x = 1-2) Thin Film Using a Chemical Bath Deposition Method with Improved Deposition Time, Temperature and pH. <i>Sensors</i> , 2011, 11, 9207-9216.	3.8	23
126	The Effect of Sintering Temperature Variation on the Superconducting Properties of ErBa ₂ Cu ₃ O ₇ Superconductor Prepared via Coprecipitation Method. <i>Journal of Superconductivity and Novel Magnetism</i> , 2011, 24, 1745-1750.	1.8	4

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127	Palm Oil as the Carbon Source for the Synthesis of Carbon Nanotubes using Floating Catalytic Chemical Vapour Deposition Method. , 2011, , .		1
128	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
129	Fabrication of Highly Ordered TiO ₂ 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
130	Properties of Amorphous Carbon Microspheres Synthesised by Palm Oil-CVD Method. , 2011, , .		1
131	Synthesis and Ionic Conductivity of Mechanically Synthesized Yttrium-doped Ceria Solid Solutions. Journal of Applied Sciences, 2011, 11, 1285-1290.	0.3	7
132	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
133	Synthesis and characterization of [4-(2,4-dichlorophenoxybutyrate)-zinc layered hydroxide] nanohybrid. Solid State Sciences, 2010, 12, 770-775.	3.2	32
134	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
135	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
136	Photocatalytic removal of 2,4,6-trichlorophenol from water exploiting commercial ZnO powder. Desalination, 2010, 263, 176-182.	8.2	76
137	Photocatalytic Degradation of 2,4-dichlorophenol in Irradiated Aqueous ZnO Suspension. International Journal of Chemistry, 2010, 2, .	0.3	26
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