

Azlan Abdul Aziz

List of Publications by Year in descending order

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230
papers

4,048
citations

196777

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162838

57
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233
all docs

233
docs citations

233
times ranked

5966
citing authors

#	ARTICLE	IF	CITATIONS
1	Mycogenic fabrication of silver nanoparticles using Picoa, Pezizales, characterization and their antifungal activity. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2022, 17, 100612.	1.7	9
2	Upconversion lanthanide nanomaterials: basics introduction, synthesis approaches, mechanism and application in photodetector and photovoltaic devices. <i>Nanotechnology</i> , 2022, 33, 082001.	1.3	11
3	Recent advances in synthesis, modification, and potential application of tin oxide nanoparticles. <i>Surfaces and Interfaces</i> , 2022, 28, 101677.	1.5	13
4	Mycosynthesis of ultrasonically-assisted uniform cubic silver nanoparticles by isolated phenols from <i>Agaricus bisporus</i> and its antibacterial activity. <i>Surfaces and Interfaces</i> , 2022, 29, 101774.	1.5	13
5	Silica Nanoparticles Encapsulated <i>Cichorium Pumilum</i> as a Promising Photosensitizer for Osteosarcoma Photodynamic Therapy: In-vitro study. <i>Photodiagnosis and Photodynamic Therapy</i> , 2022, 38, 102801.	1.3	7
6	Recent Development of Indoor Organic Photovoltaics. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2022, 219, .	0.8	9
7	Ultrasound assisted chitosan coated iron oxide nanoparticles: Influence of ultrasonic irradiation on the crystallinity, stability, toxicity and magnetization of the functionalized nanoparticles. <i>Ultrasonics Sonochemistry</i> , 2022, 88, 106072.	3.8	16
8	Monodisperse Gold Nanoparticles: A Review on Synthesis and Their Application in Modern Medicine. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7400.	1.8	36
9	Melt compounded polylactic acid-hexagonal boron nitride-aluminum oxide hybrid composites for electronic applications: impact of hybrid fillers on thermophysical, dielectric, optical, and hardness properties. <i>Polymer-Plastics Technology and Materials</i> , 2021, 60, 147-164.	0.6	4
10	Solvent effects on the structural and catalytic properties of Pt nano- and microstructures synthesised in solvothermal system. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 5926-5937.	3.8	5
11	Synergetic effect of micro-hBN and nano-Al ₂ O ₃ fillers on structural, surface, thermal, and mechanical properties of PLA/hBN/Al ₂ O ₃ hybrid composites: experimental and theoretical investigation. <i>Polymer-Plastics Technology and Materials</i> , 2021, 60, 917-936.	0.6	0
12	Distinct advantages of using sonochemical over laser ablation methods for a rapid-high quality gold nanoparticles production. <i>Materials Research Express</i> , 2021, 8, 015009.	0.8	16
13	High thermal conductivity, UV-stabilized poly(3-hydroxybutyrate-co-3-hydroxyvalerate) hybrid composites for electronic applications: effect of different hybrid fillers on structural, thermal, optical, and mechanical properties. <i>Polymer-Plastics Technology and Materials</i> , 2021, 60, 1273-1291.	0.6	4
14	Potential of a sonochemical approach to generate MRI-PPT theranostic agents for breast cancer. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021, 33, 102177.	1.3	24
15	Recent Advances in Inorganic Nanomaterials Synthesis Using Sonochemistry: A Comprehensive Review on Iron Oxide, Gold and Iron Oxide Coated Gold Nanoparticles. <i>Molecules</i> , 2021, 26, 2453.	1.7	31
16	An overview of enhanced polymer solar cells with embedded plasmonic nanoparticles. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 141, 110726.	8.2	55
17	Sonochemical-assisted synthesis of highly stable gold nanoparticles catalyst for decoloration of methylene blue dye. <i>Inorganic Chemistry Communication</i> , 2021, 127, 108551.	1.8	21
18	Focused role of nanoparticles against COVID-19: Diagnosis and treatment. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021, 34, 102287.	1.3	20

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19	Green sonochemical synthesis platinum nanoparticles as a novel contrast agent for computed tomography. <i>Materials Today Communications</i> , 2021, 27, 102480.	0.9	9
20	Structure, morphology and absorption characteristics of gold nanoparticles produced via PLAL method: Role of low energy X-ray dosage. <i>Surfaces and Interfaces</i> , 2021, 24, 101139.	1.5	7
21	Impacts of various solvents in ultrasonic irradiation and green synthesis of platinum nanoparticle. <i>Inorganic Chemistry Communication</i> , 2021, 128, 108565.	1.8	14
22	Recent Advances of Perovskite Solar Cells Embedded with Plasmonic Nanoparticles. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021, 218, 2100310.	0.8	12
23	Effect of sulphuric acid (H ₂ SO ₄) on the growth process of two-dimensional zinc oxide (ZnO) structures prepared by chemical bath deposition. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	1.1	1
24	Recent Advances in Synthesis, Medical Applications and Challenges for Gold-Coated Iron Oxide: Comprehensive Study. <i>Nanomaterials</i> , 2021, 11, 2147.	1.9	14
25	Phytosynthesis of <i>Prosopis farcta</i> fruit-gold nanoparticles using infrared and thermal devices and their catalytic efficacy. <i>Inorganic Chemistry Communication</i> , 2021, 133, 108931.	1.8	5
26	Spiky Durian-Shaped Au@Ag Nanoparticles in PEDOT:PSS for Improved Efficiency of Organic Solar Cells. <i>Materials</i> , 2021, 14, 5591.	1.3	10
27	Enhancing the efficiency of polymer solar cells by embedding Au@Ag NPs Durian shape in buffer layer. <i>Solar Energy</i> , 2021, 214, 565-574.	2.9	16
28	Impact of micro-texturization on hybrid micro/nano-textured surface for enhanced broadband light absorption in crystalline silicon for application in photovoltaics. <i>Materials Science in Semiconductor Processing</i> , 2020, 105, 104728.	1.9	30
29	Polysiloxane-graphite composites as thermal interface material for light emitting diode application: a study on impact of graphite nanopowder on thermal and surface properties. <i>Polymer-Plastics Technology and Materials</i> , 2020, 59, 106-115.	0.6	4
30	Identifying Metal Nanoparticle Size Effect on Sensing Common Human Plasma Protein by Counting the Sensitivity of Optical Absorption Spectra Damping. <i>Plasmonics</i> , 2020, 15, 123-133.	1.8	17
31	Optimization of sonochemical method of functionalizing Amino-Silane on superparamagnetic iron oxide nanoparticles using Central Composite Design. <i>Ultrasonics Sonochemistry</i> , 2020, 64, 104856.	3.8	10
32	Mechanisms of effective gold shell on Fe ₃ O ₄ core nanoparticles formation using sonochemistry method. <i>Ultrasonics Sonochemistry</i> , 2020, 64, 104865.	3.8	45
33	Synthesis and coating methods of biocompatible iron oxide/gold nanoparticle and nanocomposite for biomedical applications. <i>Chinese Journal of Physics</i> , 2020, 64, 305-325.	2.0	62
34	Low-temperature exfoliated graphene oxide incorporated with different types of natural rubber latex: Electrical and morphological properties and its capacitance performance. <i>Ceramics International</i> , 2020, 46, 5610-5622.	2.3	12
35	A Bottom-Up Synthesis Approach to Silver Nanoparticles Induces Anti-Proliferative and Apoptotic Activities Against MCF-7, MCF-7/TAMR-1 and MCF-10A Human Breast Cell Lines. <i>Molecules</i> , 2020, 25, 4332.	1.7	17
36	Properties of indium tin oxide on black silicon after post-deposition annealing for heterojunction solar cells. <i>Results in Physics</i> , 2020, 19, 103405.	2.0	10

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37	Synthesis and optimization of the sonochemical method for functionalizing gold shell on Fe ₃ O ₄ core nanoparticles using response surface methodology. <i>Surfaces and Interfaces</i> , 2020, 21, 100647.	1.5	12
38	Rapid Sonochemically-Assisted Synthesis of Highly Stable Gold Nanoparticles as Computed Tomography Contrast Agents. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7020.	1.3	30
39	Sonochemical synthesis of gold nanoparticles via palm oil fronds extracts for cytotoxicity assay. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 839, 012004.	0.3	3
40	Trastuzumab conjugated porphyrin-superparamagnetic iron oxide nanoparticle: A potential PTT-MRI bimodal agent for herceptin positive breast cancer. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 31, 101896.	1.3	37
41	Rapid sonochemically-assisted green synthesis of highly stable and biocompatible platinum nanoparticles. <i>Surfaces and Interfaces</i> , 2020, 20, 100635.	1.5	20
42	Rapid methanol-assisted amalgamation of high purity platinum nanoparticles utilizing sonochemical strategy and investigation on its catalytic activity. <i>Surfaces and Interfaces</i> , 2020, 21, 100785.	1.5	8
43	Mycosynthesis of gold nanoparticles by the Portabello mushroom extract, Agaricaceae, and their efficacy for decolorization of Azo dye. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2020, 14, 100312.	1.7	20
44	UV Photodetector Based on p-NiO film/n-Si Heterojunction Prepared by Thermal Oxidation. <i>Journal of Physics: Conference Series</i> , 2020, 1535, 012001.	0.3	6
45	Rapid mycosynthesis and characterization of phenols-capped crystal gold nanoparticles from <i>Ganoderma applanatum</i> , Ganodermataceae. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 27, 101683.	1.5	18
46	Mycosynthesis of gold nanoparticles using the extract of <i>Flammulina velutipes</i> , Physalacriaceae, and their efficacy for decolorization of methylene blue. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103841.	3.3	86
47	Broadband Anti-Reflection in Black Silicon Fabricated by Two-Step Silver-Assisted Wet Chemical Etching for Photovoltaics. <i>Solid State Phenomena</i> , 2020, 301, 167-174.	0.3	5
48	Excellent relaxivity and X-ray attenuation combo properties of Fe ₃ O ₄ @Au CSNPs produced via Rapid sonochemical synthesis for MRI and CT imaging. <i>Materials Today Communications</i> , 2020, 25, 101368.	0.9	21
49	Simple rapid stabilization method through citric acid modification for magnetite nanoparticles. <i>Scientific Reports</i> , 2020, 10, 10793.	1.6	117
50	Effects of silver nanoparticles layer thickness towards properties of black silicon fabricated by metal-assisted chemical etching for photovoltaics. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	6
51	Impact of aluminum oxide nanopowder on thermal, optical and surface properties of polysiloxane-aluminum oxide composites as elastomeric thermal pad for light emitting diode application. <i>Polymer-Plastics Technology and Materials</i> , 2020, 59, 1124-1137.	0.6	1
52	Comparative analysis of platinum nanoparticles synthesized using sonochemical-assisted and conventional green methods. <i>Nano Structures Nano Objects</i> , 2020, 23, 100484.	1.9	40
53	One-pot synthesis of highly magnetic and stable citrate coated superparamagnetic iron oxide nanoparticles by modified coprecipitation method. <i>Functional Composites and Structures</i> , 2020, 2, 045005.	1.6	12
54	Green synthesis: Proposed mechanism and factors influencing the synthesis of platinum nanoparticles. <i>Green Processing and Synthesis</i> , 2020, 9, 386-398.	1.3	69

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55	Study on the Size Dependence of AuNPs in Enhancement Radiation Effect for Superficial Kilovoltage X-Rays. <i>Solid State Phenomena</i> , 2019, 290, 81-86.	0.3	0
56	Green Formation of Nano-Hexagon from Nano-Triangle of Gold Nanoparticles Using Palm Oil Fronds Extracts. <i>Solid State Phenomena</i> , 2019, 290, 87-92.	0.3	0
57	Effect of Cell Age on Uptake and Toxicity of Nanoparticles: The Overlooked Factor at the Nanobio Interface. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 39672-39687.	4.0	30
58	Green sonochemical synthesis of gold nanoparticles using palm oil leaves extracts. <i>Materials Today: Proceedings</i> , 2019, 7, 803-807.	0.9	33
59	Low power consumption UV sensor based on n-ZnO/p-Si junctions. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 19639-19646.	1.1	6
60	Mushroom-assisted synthesis of triangle gold nanoparticles using the aqueous extract of fresh <i>Lentinula edodes</i> (shiitake), <i>Omphalotaceae</i> . <i>Environmental Nanotechnology, Monitoring and Management</i> , 2019, 12, 100270.	1.7	26
61	Impact of ZnO Nanoparticles on Thermal Properties of Poly(3-hydroxybutyrate-co-10 mol %) Tj ETQq1 1 0.784314 rgBT /Overlock 10 TF 0.4	0.4	4
62	Nanoparticle optical properties: Effect of separation distance on near field and far field of a pair of gold spherical nanoparticles. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	0
63	Enhanced Pt surface activation: A strategy for catalyst application. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 30532-30542.	3.8	2
64	Effect of Independent Variables on the Stability of the Synthesized Gold Nanoparticles Using Central Composite Design. <i>Materials Today: Proceedings</i> , 2019, 17, 937-945.	0.9	1
65	Optimization of etching time for broadband absorption enhancement in black silicon fabricated by one-step electroless silver-assisted wet chemical etching. <i>Optik</i> , 2019, 187, 74-80.	1.4	26
66	Application of central composite design for optimization of biosynthesized gold nanoparticles via sonochemical method. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	9
67	Low-Intensity UV light sensor based on p-NiO/n-Si heterojunction. <i>Materials Research Express</i> , 2019, 6, 126332.	0.8	13
68	The sonochemical synthesis of vertically aligned ZnO nanorods and their UV photodetection properties: Effect of ZnO buffer layer. <i>Ultrasonics Sonochemistry</i> , 2019, 50, 172-181.	3.8	39
69	Recent Advances in Iron Oxide Nanoparticles (IONPs): Synthesis and Surface Modification for Biomedical Applications. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 779-795.	0.8	55
70	Optimization of biosynthesis gold nanoparticles via central composite design toward monodisperse. <i>Materials Research Express</i> , 2019, 6, 015051.	0.8	8
71	Hydrogen bond sensing ability of CdSe/ZnS colloidal quantum dots in ionic medium. <i>Materials Research Express</i> , 2019, 6, 015016.	0.8	0
72	Bio-synthesis of triangular and hexagonal gold nanoparticles using palm oil frondsâ€™ extracts at room temperature. <i>Materials Research Express</i> , 2018, 5, 015042.	0.8	14

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73	Dependency of plasmon resonance sensitivity of colloidal gold nanoparticles on the identity of surrounding ionic media. <i>Materials Research Express</i> , 2018, 5, 035011.	0.8	1
74	Effect of Photon Radiations in Semi-Rigid Artificial Tissue Sensitized by Protoporphyrin IX Encapsulated with Silica Nanoparticles. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 305, 012014.	0.3	1
75	APPLICATION OF GREEN SYNTHESIS OF GOLD NANOPARTICLES: A REVIEW. <i>Jurnal Teknologi (Sciences and)</i> Tj ETQq1 0.784314 rgB 0.3 29	0.3	29
76	Effect of Medium on Interaction Forces between Atomic Force Microscopy (AFM) Tip and Gold Nanoparticle. <i>Journal of Physics: Conference Series</i> , 2018, 1083, 012035.	0.3	2
77	Photodynamic application of protoporphyrin IX as a photosensitizer encapsulated by silica nanoparticles. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 1043-1046.	1.9	9
78	Insight into Cellular Uptake and Intracellular Trafficking of Nanoparticles. <i>Nanoscale Research Letters</i> , 2018, 13, 339.	3.1	872
79	Nanoparticle Optical Properties: Size Dependence of a Single Gold Spherical Nanoparticle. <i>Journal of Physics: Conference Series</i> , 2018, 1083, 012040.	0.3	63
80	Conductometric Gas Sensing Based on ZnO Thin Films: An Impedance Spectroscopy Study. <i>ECS Journal of Solid State Science and Technology</i> , 2018, 7, P487-P490.	0.9	6
81	One minute synthesis of amino-silane functionalized superparamagnetic iron oxide nanoparticles by sonochemical method. <i>Ultrasonics Sonochemistry</i> , 2018, 40, 837-840.	3.8	51
82	Poly (3-hydroxybutyrate-co-15 mol% 3hydroxyhexanoate)/ZnO nanocomposites by solvent casting method: a study of optical, surface, and thermal properties. <i>Materials Research Express</i> , 2017, 4, 015301.	0.8	10
83	Impact of ZnO Nanoparticles on Dielectric and Optical Properties of Poly (3-hydroxybutyrate) for Electronics Applications. <i>Polymer-Plastics Technology and Engineering</i> , 2017, 56, 1495-1504.	1.9	9
84	Synthesizing Pt nanoparticles in the presence of methylamine: Impact of acetic acid treatment in the electrocatalytic activity of formic acid oxidation. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	1
85	Seed-mediated grown platinum nanocrystal: A correlation between seed volume and catalytic performance of formic acid and ethanol oxidation. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 9063-9068.	3.8	5
86	Nucleation and growth of zinc oxide nanorods directly on metal wire by sonochemical method. <i>Ultrasonics Sonochemistry</i> , 2017, 35, 270-275.	3.8	31
87	Effect of chemical interface damping and aggregation size of bare gold nanoparticles in NaCl on the plasmon resonance damping. <i>Optical Materials Express</i> , 2017, 7, 955.	1.6	15
88	Resonance position and extinction efficiency of a single silica coated gold nanoshell when size effects of core is matter. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	3
89	Properties of Al-Doped ZnO Nanorods Synthesized Using Low Temperature Hydrothermal Method. <i>Materials Science Forum</i> , 2016, 846, 459-464.	0.3	5
90	Recent advances in synthesis and surface modification of superparamagnetic iron oxide nanoparticles with silica. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 416, 275-291.	1.0	121

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91	Artificial tissue sensitized with encapsulated methylene blue encapsulated by silica nanoparticles in photodynamic therapy. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2016, 44, 1285-1289.	1.9	4
92	Radioprotective activity of <i>Polyalthia longifolia</i> standardized extract against X-ray radiation injury in mice. <i>Physica Medica</i> , 2016, 32, 150-161.	0.4	26
93	Determining the size and concentration dependence of gold nanoparticles in vitro cytotoxicity (IC50) test using WST-1 assay. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	12
94	Enhancement of radiation cytotoxicity by gold nanoparticles in MCF-7 breast cancer cell lines. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	1
95	Physico-Chemical Properties of Silica Coated Superparamagnetic Magnetite Nanoparticles Synthesized by Non-Seeded Process. <i>Advanced Materials Research</i> , 2015, 1107, 267-271.	0.3	0
96	Evolution of platinum hierarchical microstructure amine assisted growth via solvothermal method. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	0
97	Effect of sonication on the colloidal stability of iron oxide nanoparticles. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	5
98	Superparamagnetic iron oxide nanoparticles incorporated into silica nanoparticles by inelastic collision via ultrasonic field: Role of colloidal stability. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	14
99	Determining Sala mango qualities with the use of RGB images captured by a mobile phone camera. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	2
100	The role of amine derivatives in the formation of hierarchical Pt micro/nanostructures. <i>Materials Chemistry and Physics</i> , 2015, 167, 181-187.	2.0	8
101	Semi-rigid artificial tissue sensitized by encapsulated <i>Cichorium Pumilum</i> in silica nanoparticles for photodynamic therapy application. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	0
102	Polyvinylpyrrolidone adsorption effects on the morphologies of synthesized platinum particles and its catalytic activity. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	0
103	Visible spectroscopy calibration transfer model in determining pH of Sala mangoes. <i>Journal of Instrumentation</i> , 2015, 10, T05002-T05002.	0.5	12
104	Merging Worlds of Nanomaterials and Biological Environment: Factors Governing Protein Corona Formation on Nanoparticles and Its Biological Consequences. <i>Nanoscale Research Letters</i> , 2015, 10, 221.	3.1	105
105	Encapsulation efficacy of natural and synthetic photosensitizers by silica nanoparticles for photodynamic applications. <i>IET Nanobiotechnology</i> , 2015, 9, 381-385.	1.9	12
106	The efficacy of methylene blue encapsulated in silica nanoparticles compared to naked methylene blue for photodynamic applications. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2015, 44, 1-5.	1.9	4
107	Simplified optical fiber RGB system in evaluating intrinsic quality of Sala mango. <i>Optical Engineering</i> , 2015, 54, 067108.	0.5	8
108	Non-seeded synthesis and characterization of superparamagnetic iron oxide nanoparticles incorporated into silica nanoparticles via ultrasound. <i>Ultrasonics Sonochemistry</i> , 2015, 23, 354-359.	3.8	25

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109	Formation of Uniform Germanium Islands on Silicon Substrate Using Nickel as Catalyst by Thermal Evaporation Method. <i>Acta Physica Polonica A</i> , 2015, 127, 1068-1071.	0.2	0
110	A sonochemical approach to the direct surface functionalization of superparamagnetic iron oxide nanoparticles with (3-aminopropyl)triethoxysilane. <i>Beilstein Journal of Nanotechnology</i> , 2014, 5, 1472-1476.	1.5	50
111	The effects of oxygen-catalysed and heat treatment on the precipitation synthesised ZnO nanoparticles. <i>Journal of Experimental Nanoscience</i> , 2014, 9, 27-40.	1.3	3
112	Incorporating instructional design and adult learning theory in the e-content development of an interactive multimedia course. , 2014, , .		3
113	Automated mango fruit assessment using fuzzy logic approach. <i>AIP Conference Proceedings</i> , 2014, , .	0.3	2
114	Non-destructive quality evaluation of fruit by color based on RGB LEDs system. , 2014, , .		8
115	The effect of size and shape of gold nanoparticles on thin film properties. <i>Journal of Experimental Nanoscience</i> , 2014, 9, 64-77.	1.3	10
116	The formation of WO ₃ nanorods using the surfactant-assisted hydrothermal reaction. <i>Journal of Experimental Nanoscience</i> , 2014, 9, 9-16.	1.3	9
117	Performance of Cr-doped ZnO for acetone sensing. <i>Applied Surface Science</i> , 2013, 270, 480-485.	3.1	107
118	Fabrication and characterization of zinc oxide anti-reflective coating on flexible thin film microcrystalline silicon solar cell. <i>Optik</i> , 2013, 124, 5397-5400.	1.4	14
119	Spherical to polyhedral Pt nanocrystal formation assisted with methylamine. , 2013, , .		1
120	Physical Properties of the Amorphous Silica Encapsulated Fluorescence Dye. <i>Advanced Materials Research</i> , 2013, 686, 285-289.	0.3	1
121	Properties of ZnO Rod-Like Structures Due to Collapse of Bubble Implosion Process. <i>Materials Science Forum</i> , 2013, 756, 3-10.	0.3	0
122	Antioxidant Activity and Hepatoprotective Potential of <i>Polyalthia longifolia</i> and <i>Cassia spectabilis</i> Leaves against Paracetamol-Induced Liver Injury. <i>Evidence-based Complementary and Alternative Medicine</i> , 2012, 2012, 1-10.	0.5	42
123	Properties of gold nanoparticles synthesized in aqueous solution. , 2012, , .		3
124	Properties of Aluminium Thin Films on Polyethylene Terephthalate Substrates as Back Contacts in Thin Film Silicon Solar Cells. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2012, 61, 669-678.	1.8	10
125	Current crowding effect in lateral and vertical LED configurations: 3D simulation and characterisation. , 2012, , .		3
126	Optimized flow field bipolar plate design in Proton Exchange Membrane Fuel Cell. , 2012, , .		0

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127	The effect of size and shape of gold nanoparticles on thin film properties. , 2012, , .		0
128	Effect of platinum catalyst loading on membrane electrode assembly (MEA) in proton exchange membrane fuel cell (PEMFC). , 2012, , .		3
129	Formation of tungsten oxide nanorods by surfactant-assisted hydrothermal reaction. , 2012, , .		1
130	Oxygen — Catalysed and heat treatment effect on ZnO nanoparticles properties synthesized via precipitation techniques. , 2012, , .		0
131	Study on the role of Iodine in synthesizing ZnO nanoparticles and effect of heat treatment to its properties. , 2012, , .		0
132	Structural and Morphology of ZnO Nanorods Synthesized Using ZnO Seeded Growth Hydrothermal Method and Its Properties as UV Sensing. PLoS ONE, 2012, 7, e50405.	1.1	121
133	Controlled Synthesis of Gold Nanorods via Seeded Growth Approach. Advanced Structured Materials, 2012, , 61-72.	0.3	0
134	DC and RF characteristics of bilayer Schottky metal contact on n-GaN Schottky diode. EPJ Applied Physics, 2012, 60, 10103.	0.3	0
135	UV photodetector behavior of 2D ZnO plates prepared by electrochemical deposition. Superlattices and Microstructures, 2012, 51, 765-771.	1.4	50
136	Iron Oxide Nanoparticles Conjugated Monoclonal Antibody for Immunochromatographic Strip Test. Advanced Materials Research, 2011, 364, 30-34.	0.3	0
137	Fabrication and Characterization of Planar Dipole Antenna Integrated with GaAs Based-Schottky Diode for On-chip Electronic Device Application. IOP Conference Series: Materials Science and Engineering, 2011, 17, 012023.	0.3	1
138	Impedance spectroscopy of undoped and Cr-doped ZnO gas sensors under different oxygen concentrations. Applied Surface Science, 2011, 257, 8993-8997.	3.1	53
139	Investigation on UV photodetector behavior of RF-sputtered ZnO by impedance spectroscopy. Solid-State Electronics, 2011, 55, 59-63.	0.8	35
140	Surface Morphology and Optical Reflection of Thermally Evaporated Thin Film Al-Doped Silicon on Plastic Substrates for Solar Cells Applications. , 2011, , .		0
141	Formation of ZnO Nanocrystalline via Facile Non-Hydrolytic Route. , 2011, , .		2
142	Optical and Microstructure Analysis of ZnO Particles via Sonication Effect. , 2011, , .		0
143	The effect of oxygen ratio on the crystallography and optical emission properties of reactive RF sputtered ZnO films. Physica B: Condensed Matter, 2010, 405, 1081-1085.	1.3	28
144	Sensing mechanism of hydrogen gas sensor based on RF-sputtered ZnO thin films. International Journal of Hydrogen Energy, 2010, 35, 4428-4434.	3.8	132

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145	Electron transport mechanism of thermally oxidized ZnO gas sensors. Physica B: Condensed Matter, 2010, 405, 4509-4512.	1.3	3
146	The effect of heat treatments on the properties of Ti/Pt heating elements for gas sensor applications. Materials Science in Semiconductor Processing, 2010, 13, 199-204.	1.9	5
147	ZnO thin films for VOC sensing applications. Vacuum, 2010, 85, 101-106.	1.6	99
148	Low operating temperature of oxygen gas sensor based on undoped and Cr-doped ZnO films. Applied Surface Science, 2010, 256, 3468-3471.	3.1	52
149	Fixed weight Hopfield Neural Network based on optical implementation of all-optical MZI-XNOR logic gate. , 2010, , .		0
150	Effect of low H ₂ concentrations on the current-voltage characteristic of ZnO gas sensor. Advances in Applied Ceramics, 2010, 109, 436-439.	0.6	2
151	A Study on the Structural Change of Al ³⁺ N Co-Doped ZnO Thin Films. , 2010, , .		0
152	The Electrical Properties of Co-Doped ZnO Thin Films. , 2010, , .		0
153	The Effect of the Oxidation Time on the Optical and Structural Properties of ZnO Thin Film. , 2010, , .		0
154	Improvements in DC Current-Ioltage (I-V) Characteristics of n-GaN Schottky Diode using Metal Overlap Edge Termination. , 2010, , .		1
155	Structural and Optical Characterization of ZnO Nanoparticles Thin Film via Oxidizing Zn in Ethanol. , 2010, , .		0
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157	Simulation of 100 nm Vertical Replacement Gate (VRG) MOSFET. , 2010, , .		1
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