Azlan Abdul Aziz

List of Publications by Year
in descending order

230	4,048	172443	144002
papers	citations	29 h-index	57 g-index

233	233	233	5374
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Insight into Cellular Uptake and Intracellular Trafficking of Nanoparticles. Nanoscale Research Letters, 2018, 13, 339.	5.7	872
2	Sensing mechanism of hydrogen gas sensor based on RF-sputtered ZnO thin films. International Journal of Hydrogen Energy, 2010, 35, 4428-4434.	7.1	132
3	Structural and Morphology of ZnO Nanorods Synthesized Using ZnO Seeded Growth Hydrothermal Method and Its Properties as UV Sensing. PLoS ONE, 2012, 7, e50405.	2.5	121
4	Recent advances in synthesis and surface modification of superparamagnetic iron oxide nanoparticles with silica. Journal of Magnetism and Magnetic Materials, 2016, 416, 275-291.	2.3	121
5	Simple rapid stabilization method through citric acid modification for magnetite nanoparticles. Scientific Reports, 2020, 10, 10793.	3.3	117
6	Performance of Cr-doped ZnO for acetone sensing. Applied Surface Science, 2013, 270, 480-485.	6.1	107
7	Merging Worlds of Nanomaterials and Biological Environment: Factors Governing Protein Corona Formation on Nanoparticles and Its Biological Consequences. Nanoscale Research Letters, 2015, 10, 221.	5.7	105
8	ZnO thin films for VOC sensing applications. Vacuum, 2010, 85, 101-106.	3.5	99
9	Mycosynthesis of gold nanoparticles using the extract of Flammulina velutipes, Physalacriaceae, and their efficacy for decolorization of methylene blue. Journal of Environmental Chemical Engineering, 2020, 8, 103841.	6.7	86
10	The gas response enhancement from ZnO film for H2 gas detection. Applied Surface Science, 2009, 255, 7794-7797.	6.1	76
11	Green synthesis: Proposed mechanism and factors influencing the synthesis of platinum nanoparticles. Green Processing and Synthesis, 2020, 9, 386-398.	3.4	69
12	Nanoparticle Optical Properties: Size Dependence of a Single Gold Spherical Nanoparticle. Journal of Physics: Conference Series, 2018, 1083, 012040.	0.4	63
13	Synthesis and coating methods of biocompatible iron oxide/gold nanoparticle and nanocomposite for biomedical applications. Chinese Journal of Physics, 2020, 64, 305-325.	3.9	62
14	Recent Advances in Iron Oxide Nanoparticles (IONPs): Synthesis and Surface Modification for Biomedical Applications. Journal of Superconductivity and Novel Magnetism, 2019, 32, 779-795.	1.8	55
15	An overview of enhanced polymer solar cells with embedded plasmonic nanoparticles. Renewable and Sustainable Energy Reviews, 2021, 141, 110726.	16.4	55
16	Impedance spectroscopy of undoped and Cr-doped ZnO gas sensors under different oxygen concentrations. Applied Surface Science, 2011, 257, 8993-8997.	6.1	53
17	Low operating temperature of oxygen gas sensor based on undoped and Cr-doped ZnO films. Applied Surface Science, 2010, 256, 3468-3471.	6.1	52
18	One minute synthesis of amino-silane functionalized superparamagnetic iron oxide nanoparticles by sonochemical method. Ultrasonics Sonochemistry, 2018, 40, 837-840.	8.2	51

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19	UV photodetector behavior of 2D ZnO plates prepared by electrochemical deposition. Superlattices and Microstructures, 2012, 51, 765-771.	3.1	50
20	A sonochemical approach to the direct surface functionalization of superparamagnetic iron oxide nanoparticles with (3-aminopropyl)triethoxysilane. Beilstein Journal of Nanotechnology, 2014, 5, 1472-1476.	2.8	50
21	Mechanisms of effective gold shell on Fe3O4 core nanoparticles formation using sonochemistry method. Ultrasonics Sonochemistry, 2020, 64, 104865.	8.2	45
22	Antioxidant Activity and Hepatoprotective Potential ofPolyalthia longifoliaandCassia spectabilisLeaves against Paracetamol-Induced Liver Injury. Evidence-based Complementary and Alternative Medicine, 2012, 2012, 1-10.	1.2	42
23	Effects of surface passivation in porous silicon as H2 gas sensor. Solid-State Electronics, 2008, 52, 1071-1074.	1.4	41
24	Comparative analysis of platinum nanoparticles synthesized using sonochemical-assisted and conventional green methods. Nano Structures Nano Objects, 2020, 23, 100484.	3.5	40
25	The sonochemical synthesis of vertically aligned ZnO nanorods and their UV photodetection properties: Effect of ZnO buffer layer. Ultrasonics Sonochemistry, 2019, 50, 172-181.	8.2	39
26	Trastuzumab conjugated porphyrin-superparamagnetic iron oxide nanoparticle: A potential PTT-MRI bimodal agent for herceptin positive breast cancer. Photodiagnosis and Photodynamic Therapy, 2020, 31, 101896.	2.6	37
27	Monodisperse Gold Nanoparticles: A Review on Synthesis and Their Application in Modern Medicine. International Journal of Molecular Sciences, 2022, 23, 7400.	4.1	36
28	Investigation on UV photodetector behavior of RF-sputtered ZnO by impedance spectroscopy. Solid-State Electronics, 2011, 55, 59-63.	1.4	35
29	Green sonochemical synthesis of gold nanoparticles using palm oil leaves extracts. Materials Today: Proceedings, 2019, 7, 803-807.	1.8	33
30	Schottky barrier properties of various metal (Zr, Ti, Cr, Pt) contact on p-GaN revealed from Iâ€“Vâ€“T measurement. Applied Surface Science, 2006, 252, 5930-5935.	6.1	31
31	Nucleation and growth of zinc oxide nanorods directly on metal wire by sonochemical method. Ultrasonics Sonochemistry, 2017, 35, 270-275.	8.2	31
32	Recent Advances in Inorganic Nanomaterials Synthesis Using Sonochemistry: A Comprehensive Review on Iron Oxide, Gold and Iron Oxide Coated Gold Nanoparticles. Molecules, 2021, 26, 2453.	3.8	31
33	Effect of Cell Age on Uptake and Toxicity of Nanoparticles: The Overlooked Factor at the Nanobio Interface. ACS Applied Materials & Interfaces, 2019, 11, 39672-39687.	8.0	30
34	Impact of micro-texturization on hybrid micro/nano-textured surface for enhanced broadband light absorption in crystalline silicon for application in photovoltaics. Materials Science in Semiconductor Processing, 2020, 105, 104728.	4.0	30
35	Rapid Sonochemically-Assisted Synthesis of Highly Stable Gold Nanoparticles as Computed Tomography Contrast Agents. Applied Sciences (Switzerland), 2020, 10, 7020.	2.5	30
36	APPLICATION OF GREEN SYNTHESIS OF GOLD NANOPARTICLES: A REVIEW. Jurnal Teknologi (Sciences and) Tj ETQq0 0 0 rgBT /Overlock	0.4	29

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37	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.	2.7	28
38	Radioprotective activity of Polyalthia longifolia standardized extract against X-ray radiation injury in mice. Physica Medica, 2016, 32, 150-161.	0.7	26
39	Mushroom-assisted synthesis of triangle gold nanoparticles using the aqueous extract of fresh Lentinula edodes (shiitake), Omphalotaceae. Environmental Nanotechnology, Monitoring and Management, 2019, 12, 100270.	2.9	26
40	Optimization of etching time for broadband absorption enhancement in black silicon fabricated by one-step electroless silver-assisted wet chemical etching. Optik, 2019, 187, 74-80.	2.9	26
41	Non-seeded synthesis and characterization of superparamagnetic iron oxide nanoparticles incorporated into silica nanoparticles via ultrasound. Ultrasonics Sonochemistry, 2015, 23, 354-359.	8.2	25
42	Potential of a sonochemical approach to generate MRI-PPT theranostic agents for breast cancer. Photodiagnosis and Photodynamic Therapy, 2021, 33, 102177.	2.6	24
43	Sonochemical Synthesis of Silica Coated Super Paramagnetic Iron Oxide Nanoparticles. Materials Science Forum, 0, 756, 74-79.	0.3	22
44	Excellent relaxivity and X-ray attenuation combo properties of Fe3O4@Au CSNPs produced via Rapid sonochemical synthesis for MRI and CT imaging. Materials Today Communications, 2020, 25, 101368.	1.9	21
45	Sonochemical-assisted synthesis of highly stable gold nanoparticles catalyst for decoloration of methylene blue dye. Inorganic Chemistry Communication, 2021, 127, 108551.	3.9	21
46	Rapid sonochemically-assisted green synthesis of highly stable and biocompatible platinum nanoparticles. Surfaces and Interfaces, 2020, 20, 100635.	3.0	20
47	Mycosynthesis of gold nanoparticles by the Portabello mushroom extract, Agaricaceae, and their efficacy for decolorization of Azo dye. Environmental Nanotechnology, Monitoring and Management, 2020, 14, 100312.	2.9	20
48	Focused role of nanoparticles against COVID-19: Diagnosis and treatment. Photodiagnosis and Photodynamic Therapy, 2021, 34, 102287.	2.6	20
49	Green Synthesis of 10 nm Gold Nanoparticles via Seeded-Growth Method and its Conjugation Properties on Lateral Flow Immunoassay. Advanced Materials Research, 0, 686, 8-12.	0.3	19
50	Rapid mycosynthesis and characterization of phenols-capped crystal gold nanoparticles from Ganoderma applanatum, Ganodermataceae. Biocatalysis and Agricultural Biotechnology, 2020, 27, 101683.	3.1	18
51	InGaP/InGaAs/GaAs High Electron Mobility Transistor Structure Grown by Solid Source Molecular Beam Epitaxy Using GaP as Phosphorous Source. Japanese Journal of Applied Physics, 1997, 36, L647-L649.	1.5	17
52	Method of controlling spontaneous emission from porous silicon fabricated using pulsed current etching. Solid-State Electronics, 2008, 52, 249-254.	1.4	17
53	Identifying Metal Nanoparticle Size Effect on Sensing Common Human Plasma Protein by Counting the Sensitivity of Optical Absorption Spectra Damping. Plasmonics, 2020, 15, 123-133.	3.4	17
54	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. Molecules, 2020, 25, 4332.	3.8	17

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55	Distinct advantages of using sonochemical over laser ablation methods for a rapid-high quality gold nanoparticles production. Materials Research Express, 2021, 8, 015009.	1.6	16
56	Enhancing the efficiency of polymer solar cells by embedding Au@Ag NPs Durian shape in buffer layer. Solar Energy, 2021, 214, 565-574.	6.1	16
57	Ultrasound assisted chitosan coated iron oxide nanoparticles: Influence of ultrasonic irradiation on the crystallinity, stability, toxicity and magnetization of the functionalized nanoparticles. Ultrasonics Sonochemistry, 2022, 88, 106072.	8.2	16
58	Effect of chemical interface damping and aggregation size of bare gold nanoparticles in NaCl on the plasmon resonance damping. Optical Materials Express, 2017, 7, 955.	3.0	15
59	Correlation of Raman and photoluminescence spectra of electrochemically prepared n-type porous GaAs. Semiconductor Science and Technology, 2008, 23, 055016.	2.0	14
60	Fabrication and characterization of zinc oxide anti-reflective coating on flexible thin film microcrystalline silicon solar cell. Optik, 2013, 124, 5397-5400.	2.9	14
61	Superparamagnetic iron oxide nanoparticles incorporated into silica nanoparticles by inelastic collision via ultrasonic field: Role of colloidal stability. AIP Conference Proceedings, 2015, , .	0.4	14
62	Bio-synthesis of triangular and hexagonal gold nanoparticles using palm oil frondsâ€™ extracts at room temperature. Materials Research Express, 2018, 5, 015042.	1.6	14
63	Impacts of various solvents in ultrasonic irradiation and green synthesis of platinum nanoparticle. Inorganic Chemistry Communication, 2021, 128, 108565.	3.9	14
64	Recent Advances in Synthesis, Medical Applications and Challenges for Gold-Coated Iron Oxide: Comprehensive Study. Nanomaterials, 2021, 11, 2147.	4.1	14
65	Low-Intensity UV light sensor based on p-NiO/n-Si heterojunction. Materials Research Express, 2019, 6, 126332.	1.6	13
66	Recent advances in synthesis, modification, and potential application of tin oxide nanoparticles. Surfaces and Interfaces, 2022, 28, 101677.	3.0	13
67	Mycosynthesis of ultrasonically-assisted uniform cubic silver nanoparticles by isolated phenols from Agaricus bisporus and its antibacterial activity. Surfaces and Interfaces, 2022, 29, 101774.	3.0	13
68	Determining the size and concentration dependence of gold nanoparticles in vitro cytotoxicity (IC50) test using WST-1 assay. AIP Conference Proceedings, 2015, , .	0.4	12
69	Visible spectroscopy calibration transfer model in determining pH of Sala mangoes. Journal of Instrumentation, 2015, 10, T05002-T05002.	1.2	12
70	Encapsulation efficacy of natural and synthetic photosensitizers by silica nanoparticles for photodynamic applications. IET Nanobiotechnology, 2015, 9, 381-385.	3.8	12
71	Low-temperature exfoliated graphene oxide incorporated with different types of natural rubber latex: Electrical and morphological properties and its capacitance performance. Ceramics International, 2020, 46, 5610-5622.	4.8	12
72	Synthesis and optimization of the sonochemical method for functionalizing gold shell on Fe3O4 core nanoparticles using response surface methodology. Surfaces and Interfaces, 2020, 21, 100647.	3.0	12

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73	Recent Advances of Perovskite Solar Cells Embedded with Plasmonic Nanoparticles. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2100310.	1.8	12
74	One-pot synthesis of highly magnetic and stable citrate coated superparamagnetic iron oxide nanoparticles by modified coprecipitation method. Functional Composites and Structures, 2020, 2, 045005.	3.4	12
75	Upconversion lanthanide nanomaterials: basics introduction, synthesis approaches, mechanism and application in photodetector and photovoltaic devices. Nanotechnology, 2022, 33, 082001.	2.6	11
76	Properties of Aluminium Thin Films on Polyethylene Terephthalate Substrates as Back Contacts in Thin Film Silicon Solar Cells. International Journal of Polymeric Materials and Polymeric Biomaterials, 2012, 61, 669-678.	3.4	10
77	The effect of size and shape of gold nanoparticles on thin film properties. Journal of Experimental Nanoscience, 2014, 9, 64-77.	2.4	10
78	Poly (3-hydroxybutyrate-co-15 mol% 3hydroxyhexanoate)/ZnO nanocomposites by solvent casting method: a study of optical, surface, and thermal properties. Materials Research Express, 2017, 4, 015301.	1.6	10
79	Optimization of sonochemical method of functionalizing Amino-Silane on superparamagnetic iron oxide nanoparticles using Central Composite Design. Ultrasonics Sonochemistry, 2020, 64, 104856.	8.2	10
80	Properties of indium tin oxide on black silicon after post-deposition annealing for heterojunction solar cells. Results in Physics, 2020, 19, 103405.	4.1	10
81	Spiky Durian-Shaped Au@Ag Nanoparticles in PEDOT:PSS for Improved Efficiency of Organic Solar Cells. Materials, 2021, 14, 5591.	2.9	10
82	Study on Controlled Size, Shape and Dispersity of Gold Nanoparticles (AuNPs) Synthesized via Seeded-Growth Technique for Immunoassay Labeling. Advanced Materials Research, 0, 364, 504-509.	0.3	9
83	An <i>In-Situ</i> Functionalization of Decanethiol Monolayer on Thin Silica Coated Superparamagnetic Iron Oxide Nanoparticles Synthesized by Non-Seeded Process. Advanced Materials Research, 0, 1024, 300-303.	0.3	9
84	The formation of WO₃nanorods using the surfactant-assisted hydrothermal reaction. Journal of Experimental Nanoscience, 2014, 9, 9-16.	2.4	9
85	Impact of ZnO Nanoparticles on Dielectric and Optical Properties of Poly (3-hydroxybutyrate) for Electronics Applications. Polymer-Plastics Technology and Engineering, 2017, 56, 1495-1504.	1.9	9
86	Photodynamic application of protoporphyrin IX as a photosensitizer encapsulated by silica nanoparticles. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 1043-1046.	2.8	9
87	Application of central composite design for optimization of biosynthesized gold nanoparticles via sonochemical method. SN Applied Sciences, 2019, 1, 1.	2.9	9
88	Green sonochemical synthesis platinum nanoparticles as a novel contrast agent for computed tomography. Materials Today Communications, 2021, 27, 102480.	1.9	9
89	Mycogenic fabrication of silver nanoparticles using Picoa, Pezizales, characterization and their antifungal activity. Environmental Nanotechnology, Monitoring and Management, 2022, 17, 100612.	2.9	9
90	Recent Development of Indoor Organic Photovoltaics. Physica Status Solidi (A) Applications and Materials Science, 2022, 219, .	1.8	9

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91	A Chemical Sensor Based on AlGaN. Materials Science Forum, 2006, 517, 33-36.	0.3	8
92	Formation of Porous GaAs by Pulsed Current Electrochemical Anodization: SEM, XRD, Raman, and Photoluminescence Studies. Electrochemical and Solid-State Letters, 2009, 12, K9.	2.2	8
93	Non-destructive quality evaluation of fruit by color based on RGB LEDs system. , 2014, , .		8
94	The role of amine derivatives in the formation of hierarchical Pt micro/nanostructures. Materials Chemistry and Physics, 2015, 167, 181-187.	4.0	8
95	Simplified optical fiber RGB system in evaluating intrinsic quality of Sala mango. Optical Engineering, 2015, 54, 067108.	1.0	8
96	Optimization of biosynthesis gold nanoparticles via central composite design toward monodisperse. Materials Research Express, 2019, 6, 015051.	1.6	8
97	Rapid methanol-assisted amalgamation of high purity platinum nanoparticles utilizing sonochemical strategy and investigation on its catalytic activity. Surfaces and Interfaces, 2020, 21, 100785.	3.0	8
98	The sensing performance of hydrogen gas sensor utilizing undoped-AlGaN/GaN HEMT. , 2010, , .		7
99	Structure, morphology and absorption characteristics of gold nanoparticles produced via PLAL method: Role of low energy X-ray dosage. Surfaces and Interfaces, 2021, 24, 101139.	3.0	7
100	Silica Nanoparticles Encapsulated Cichorium Pumilum as a Promising Photosensitizer for Osteosarcoma Photodynamic Therapy: In-vitro study. Photodiagnosis and Photodynamic Therapy, 2022, 38, 102801.	2.6	7
101	Pulse Current Electrochemical Deposition of Silicon for Porous Silicon Capping to Improve Hardness and Stability. Electrochemical and Solid-State Letters, 2009, 12, D11.	2.2	6
102	Properties of Amorphous Silica Entrapped Isoniazid Drug Delivery System. Advanced Materials Research, 0, 364, 134-138.	0.3	6
103	Conductometric Gas Sensing Based on ZnO Thin Films: An Impedance Spectroscopy Study. ECS Journal of Solid State Science and Technology, 2018, 7, P487-P490.	1.8	6
104	Low power consumption UV sensor based on n-ZnO/p-Si junctions. Journal of Materials Science: Materials in Electronics, 2019, 30, 19639-19646.	2.2	6
105	UV Photodetector Based on p-NiO film/n-Si Heterojunction Prepared by Thermal Oxidation. Journal of Physics: Conference Series, 2020, 1535, 012001.	0.4	6
106	Effects of silver nanoparticles layer thickness towards properties of black silicon fabricated by metal-assisted chemical etching for photovoltaics. SN Applied Sciences, 2020, 2, 1.	2.9	6
107	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.	4.0	5
108	Properties of Aluminium Thin Films on Polyimide Plastics as Back Contacts in Thin Film Silicon Solar Cells. Advanced Materials Research, 0, 620, 474-479.	0.3	5

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109	Effect of sonication on the colloidal stability of iron oxide nanoparticles. AIP Conference Proceedings, 2015, , .	0.4	5
110	Properties of Al-Doped ZnO Nanorods Synthesized Using Low Temperature Hydrothermal Method. Materials Science Forum, 2016, 846, 459-464.	0.3	5
111	Effects of the Gold Nanoparticles (AuNPs) on the Proliferation and Morphological Characteristics of Human Breast Cancer Cells (MCF-7) in Culture. Solid State Phenomena, 0, 268, 254-258.	0.3	5
112	Seed-mediated grown platinum nanocrystal: A correlation between seed volume and catalytic performance of formic acid and ethanol oxidation. International Journal of Hydrogen Energy, 2017, 42, 9063-9068.	7.1	5
113	Broadband Anti-Reflection in Black Silicon Fabricated by Two-Step Silver-Assisted Wet Chemical Etching for Photovoltaics. Solid State Phenomena, 2020, 301, 167-174.	0.3	5
114	Solvent effects on the structural and catalytic properties of Pt nano- and microstructures synthesised in solvothermal system. International Journal of Hydrogen Energy, 2021, 46, 5926-5937.	7.1	5
115	Phytosynthesis of Prosopis farcta fruit-gold nanoparticles using infrared and thermal devices and their catalytic efficacy. Inorganic Chemistry Communication, 2021, 133, 108931.	3.9	5
116	Characteristics of RIE SF6/O2/Ar Plasmas on n-Silicon Etching. , 2006, , .		4
117	Fabrication and Characterization of Uniform Quantum Size Porous Silicon. Materials Science Forum, 2006, 517, 232-236.	0.3	4
118	The efficacy of methylene blue encapsulated in silica nanoparticles compared to naked methylene blue for photodynamic applications. Artificial Cells, Nanomedicine and Biotechnology, 2015, 44, 1-5.	2.8	4
119	Artificial tissue sensitized with encapsulated methylene blue encapsulated by silica nanoparticles in photodynamic therapy. Artificial Cells, Nanomedicine and Biotechnology, 2016, 44, 1285-1289.	2.8	4
120	The Effect of Gold Nanoparticle Size in the Cellular Uptake. Solid State Phenomena, 0, 290, 75-80.	0.3	4
121	Impact of ZnO Nanoparticles on Thermal Properties of Poly(3-hydroxybutyrate-co-10 mol %) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.0	4
122	Polysiloxane-graphite composites as thermal interface material for light emitting diode application: a study on impact of graphite nanopowder on thermal and surface properties. Polymer-Plastics Technology and Materials, 2020, 59, 106-115.	1.3	4
123	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. Polymer-Plastics Technology and Materials, 2021, 60, 147-164.	1.3	4
124	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. Polymer-Plastics Technology and Materials, 2021, 60, 1273-1291.	1.3	4
125	Automatic Fingerprint Identification Using Gray Hopfield Neural Network Improved by Run-Length Encoding. , 2008, , .		3
126	Characterization of Spin-on Dopant by Sol-gel Method. AIP Conference Proceedings, 2008, , .	0.4	3

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127	Electron transport mechanism of thermally oxidized ZnO gas sensors. Physica B: Condensed Matter, 2010, 405, 4509-4512.	2.7	3
128	Properties of ZnO Nanorods Arrays Growth via Low Temperature Hydrothermal Reaction. Advanced Materials Research, 0, 364, 422-426.	0.3	3
129	Properties of gold nanoparticles synthesized in aqueous solution. , 2012, , .		3
130	Current crowding effect in lateral and vertical LED configurations: 3D simulation and characterisation. , 2012, , .		3
131	Effect of platinum catalyst loading on membrane electrode assembly (MEA) in proton exchange membrane fuel cell (PEMFC). , 2012, , .		3
132	The effects of oxygen-catalysed and heat treatment on the precipitation synthesised ZnO nanoparticles. Journal of Experimental Nanoscience, 2014, 9, 27-40.	2.4	3
133	Incorporating instructional design and adult learning theory in the e-content development of an interactive multimedia course. , 2014, , .		3
134	Loading and Unloading Properties of Encapsulated Methylene Blue in Silica Nanoparticles for Photodynamic Applications. Advanced Materials Research, 0, 1024, 292-295.	0.3	3
135	Sonochemical synthesis of gold nanoparticles via palm oil fronds extracts for cytotoxicity assay. IOP Conference Series: Materials Science and Engineering, 2020, 839, 012004.	0.6	3
136	Resonance position and extinction efficiency of a single silica coated gold nanoshell when size effects of core is matter. AIP Conference Proceedings, 2017, , .	0.4	3
137	Electrical characteristics and thermal stability of Ti contact to p-GaN. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 1762-1766.	0.8	2
138	The Study of Thermal Treatment on Electrical Properties at Cr/p-GaN. Materials Science Forum, 2006, 517, 247-251.	0.3	2
139	Pinning Fermi Level of p-GaN due to Three Different (Zr, Ti, and Cr) Metal Contact. Materials Science Forum, 2006, 517, 262-266.	0.3	2
140	Highly Chemical Reactive Ion Etching of Silicon in CF4 Containing Plasmas. , 2006, , .		2
141	Recent development in the growth of ZnO nanoparticles thin film by magnetron sputtering.. , 2008, , .		2
142	Effect of low H₂concentrations on the current-voltage characteristic of ZnO gas sensor. Advances in Applied Ceramics, 2010, 109, 436-439.	1.1	2
143	Real time object detection using Hopfield neural network for Arabic printed letter recognition. , 2010, , .		2
144	Influence of Calcinations Temperatures on Structural and Photoluminescence Properties of ZnO Nanoparticles via Precipitation Method. Advanced Materials Research, 0, 364, 510-514.	0.3	2

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145	Formation of ZnO Nanocrystalline via Facile Non-Hydrolytic Route. , 2011, , .		2
146	Elucidating the Dependence of Size and Concentration of Gold Nanoparticles in Cellular Uptake. Materials Science Forum, 0, 756, 205-211.	0.3	2
147	Imaging of Colloidal Gold Nanoparticle Using Atomic Force Microscope. Nano Hybrids, 0, 4, 47-60.	0.3	2
148	Automated mango fruit assessment using fuzzy logic approach. AIP Conference Proceedings, 2014, , .	0.4	2
149	Determining Sala mango qualities with the use of RGB images captured by a mobile phone camera. AIP Conference Proceedings, 2015, , .	0.4	2
150	Effect of Medium on Interaction Forces between Atomic Force Microscopy (AFM) Tip and Gold Nanoparticle. Journal of Physics: Conference Series, 2018, 1083, 012035.	0.4	2
151	Enhanced Pt surface activation: A strategy for catalyst application. International Journal of Hydrogen Energy, 2019, 44, 30532-30542.	7.1	2
152	Synthesis of PVP Coated Superparamagnetic Iron Oxide Nanoparticles with a High Saturation Magnetization. Solid State Phenomena, 0, 290, 301-306.	0.3	2
153	Photometric Detection of Heavy Metals Using Biosynthesized Gold Nanoparticles. Solid State Phenomena, 0, 301, 118-123.	0.3	2
154	Low applied bias for p-GaN electroluminescent devices. Microelectronic Engineering, 2005, 81, 268-272.	2.4	1
155	The Effect of Al and Pt/Ti Simultaneously Annealing on Electrical Characteristics of n-GaN Schottky Diode. , 2006, , .		1
156	Temperature Variation Effects on Current-Voltage (i-v) Characteristics of n-GaN Schottky Diode. Materials Science Forum, 2006, 517, 141-146.	0.3	1
157	Influence of thermally annealed Schottky metal contact on DC and RF behavior of n-GaN Schottky diode. , 2008, , .		1
158	Improvements in DC Current-Ioltage (I-V) Characteristics of n-GaN Schottky Diode using Metal Overlap Edge Termination. , 2010, , .		1
159	Highly Enhanced Green Photoluminescence of as-Anodized n-type Porous GaAs. AIP Conference Proceedings, 2010, , .	0.4	1
160	Simulation of 100 nm Vertical Replacement Gate (VRG) MOSFET. , 2010, , .		1
161	Impact of Silicon Surface Roughness upon MOS after TMAH and KOH Silicon Etching. , 2010, , .		1
162	Gateless-FET undoped AlGaN/GaN HEMT structure for liquid-phase sensor. , 2010, , .		1

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163	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.	0.6	1
164	The Effect of Amount of Surfactant and Types of Drug on Amorphous Silica Drug Delivery System (DDS). Advanced Materials Research, 0, 620, 112-116.	0.3	1
165	Formation of tungsten oxide nanorods by surfactant-assisted hydrothermal reaction. , 2012, , .		1
166	Spherical to polyhedral Pt nanocrystal formation assisted with methylamine. , 2013, , .		1
167	Physical Properties of the Amorphous Silica Encapsulated Fluorescence Dye. Advanced Materials Research, 2013, 686, 285-289.	0.3	1
168	Blocking Properties of Superparamagnetic Magnetite Nanoparticles and Gold/Superparamagnetic Magnetite Composite Nanoparticles. Advanced Materials Research, 0, 1108, 15-20.	0.3	1
169	Enhancement of radiation cytotoxicity by gold nanoparticles in MCF-7 breast cancer cell lines. AIP Conference Proceedings, 2015, , .	0.4	1
170	Synthesizing Pt nanoparticles in the presence of methylamine: Impact of acetic acid treatment in the electrocatalytic activity of formic acid oxidation. AIP Conference Proceedings, 2017, , .	0.4	1
171	Dependency of plasmon resonance sensitivity of colloidal gold nanoparticles on the identity of surrounding ionic media. Materials Research Express, 2018, 5, 035011.	1.6	1
172	Effect of Photon Radiations in Semi-Rigid Artificial Tissue Sensitized by Protoporphyrin IX Encapsulated with Silica Nanoparticles. IOP Conference Series: Materials Science and Engineering, 2018, 305, 012014.	0.6	1
173	Effect of Independent Variables on the Stability of the Synthesized Gold Nanoparticles Using Central Composite Design. Materials Today: Proceedings, 2019, 17, 937-945.	1.8	1
174	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. Polymer-Plastics Technology and Materials, 2020, 59, 1124-1137.	1.3	1
175	Effect of sulphuric acid (H2SO4) on the growth process of two-dimensional zinc oxide (ZnO) structures prepared by chemical bath deposition. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	1
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