

# Rizwan Wahab

## List of Publications by Year in descending order

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132  
papers

5,050  
citations

81900

39  
h-index

98798

67  
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139  
all docs

139  
docs citations

139  
times ranked

6723  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strontium-Doped Nickel Oxide Nanoparticles: Synthesis, Characterization, and Cytotoxicity Study in Human Lung Cancer A549 Cells. <i>Biological Trace Element Research</i> , 2022, 200, 1598-1607.	3.5	6
2	Silver Nanoparticles: An Instantaneous Solution for Anticancer Activity against Human Liver (HepG2) and Breast (MCF-7) Cancer Cells. <i>Metals</i> , 2022, 12, 148.	2.3	28
3	The Role of Strontium in CeNiO <sub>3</sub> Nano-Crystalline Perovskites for Greenhouse Gas Mitigation to Produce Syngas. <i>Molecules</i> , 2022, 27, 356.	3.8	6
4	Size-Dependent Cytotoxic and Molecular Study of the Use of Gold Nanoparticles against Liver Cancer Cells. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 901.	2.5	8
5	Utilization of Solution Grown Manganese Oxide Nanocrystallite to Microstructure Against Bacteria's Inhibition. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 1650-1667.	3.7	2
6	Cytotoxic and molecular assessment with copper and iron nanocomposite, act as a soft eradicator against cancer cells. <i>Journal of King Saud University - Science</i> , 2022, 34, 101908.	3.5	3
7	Green synthesis of silver nanoparticles using Phoenix dactylifera seed extract and its anticancer effect against human lung adenocarcinoma cells. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 70, 103260.	3.0	15
8	Neodymium oxide nanostructures and their cytotoxic evaluation in human cancer cells. <i>Journal of Trace Elements in Medicine and Biology</i> , 2022, 73, 127029.	3.0	3
9	The development of cobalt oxide nanoparticles based electrode to elucidate the rapid sensing of nitrophenol. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 265, 114994.	3.5	7
10	Anticancer Potential of Biogenic Silver Nanoparticles: A Mechanistic Study. <i>Pharmaceutics</i> , 2021, 13, 707.	4.5	42
11	Syngas Production via CO <sub>2</sub> Reforming of Methane over SrNiO <sub>3</sub> and CeNiO <sub>3</sub> Perovskites. <i>Energies</i> , 2021, 14, 2928.	3.1	16
12	Cytotoxic and molecular assessment against breast (MCF-7) cancer cells with cobalt oxide nanoballs. <i>Journal of King Saud University - Science</i> , 2021, 33, 101467.	3.5	2
13	Cytotoxic assessment of liver cancer cells (HepG2) with raw, functionalized multiwalled carbon nanotubes and their comparison with nanohydroxyapatite. <i>Journal of King Saud University - Science</i> , 2021, 33, 101444.	3.5	6
14	Cytotoxicity and apoptosis response of hexagonal zinc oxide nanorods against human hepatocellular liver carcinoma cell line. <i>Journal of King Saud University - Science</i> , 2021, 33, 101658.	3.5	6
15	Development of nanoparticles based electrode to expound the instantaneous sensing of hazardous phenol compound. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 27159.	2.2	1
16	Effect of Preparation Method and Ni <sup>2+</sup> Substitution on the Structural, Thermal, and Optical Properties of Nanocrystalline Lanthanum Zirconate Pyrochlore. <i>Crystals</i> , 2021, 11, 1463.	2.2	1
17	Study on the Synthesis of ZnO Nanoparticles Using Azadirachta indica Extracts for the Fabrication of a Gas Sensor. <i>Molecules</i> , 2021, 26, 7685.	3.8	15
18	Utilization of Greenhouse Gases for Syngas Production by Dry Reforming Process Using Reduced BaNiO <sub>3</sub> Perovskite as a Catalyst. <i>Sustainability</i> , 2021, 13, 13855.	3.2	1

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19	Peanut-shaped ZnO nanostructures: A driving force for enriched antibacterial activity and their statistical analysis. <i>Ceramics International</i> , 2020, 46, 307-316.	4.8	11
20	Formation of composite nanostructures with an effective hydrazine sensor and their chemical approach. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020, 117, 113851.	2.7	2
21	Quantization of SnO <sub>2</sub> dots: Apoptosis and intrinsic effect of quantum dots for myoblast cancer cells with caspase 3/7 genes. <i>Ceramics International</i> , 2020, 46, 6383-6395.	4.8	3
22	Rapid sensing response for phenol with CuO nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 607, 125424.	4.7	12
23	Molybdenum rods assembled with nanosheets: a high catalytic material for phenol sensing. <i>Materials Today Chemistry</i> , 2020, 18, 100347.	3.5	3
24	Zinc oxide nanostructures: A motivated dynamism against cancer cells. <i>Process Biochemistry</i> , 2020, 98, 83-92.	3.7	12
25	Silicon nanoparticles: a new and enhanced operational material for nitrophenol sensing. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 17084-17099.	2.2	6
26	Plasma-Treated Flammulina velutipes-Derived Extract Showed Anticancer Potential in Human Breast Cancer Cells. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8395.	2.5	9
27	Single and Multi-metal Oxide Nanoparticles Induced Cytotoxicity and ROS Generation in Human Breast Cancer (MCF-7) Cells. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 4106-4116.	3.7	11
28	Synthesis of nanocauliflower ZnO photocatalyst by potato waste and its photocatalytic efficiency against dye. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 11538-11547.	2.2	21
29	Cold Atmospheric Plasma and Gold Quantum Dots Exert Dual Cytotoxicity Mediated by the Cell Receptor-Activated Apoptotic Pathway in Glioblastoma Cells. <i>Cancers</i> , 2020, 12, 457.	3.7	26
30	Synthesis of silver nanoparticles decorated on reduced graphene oxide nanosheets and their electrochemical sensing towards hazardous 4-nitrophenol. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 11927-11937.	2.2	33
31	Cytotoxicity and cell death induced by engineered nanostructures (quantum dots and nanoparticles) in human cell lines. <i>Journal of Biological Inorganic Chemistry</i> , 2020, 25, 325-338.	2.6	24
32	Dual role of oxidative stress-JNK activation in autophagy and apoptosis induced by nickel oxide nanoparticles in human cancer cells. <i>Free Radical Biology and Medicine</i> , 2020, 153, 173-186.	2.9	26
33	Cymbopogon Citratus Functionalized Green Synthesis of CuO-Nanoparticles: Novel Prospects as Antibacterial and Antibiofilm Agents. <i>Biomolecules</i> , 2020, 10, 169.	4.0	51
34	Synthesis, spectral and thermo-kinetics explorations of Schiff-base derived metal complexes. <i>Open Chemistry</i> , 2020, 18, 1304-1315.	1.9	4
35	Organophosphorus flame retardant (tricesyl phosphate) trigger apoptosis in HepG2 cells: Transcriptomic evidence on activation of human cancer pathways. <i>Chemosphere</i> , 2019, 237, 124519.	8.2	27
36	Synthesis of NiO@CeO <sub>2</sub> nanocomposite for electrochemical sensing of perilous 4-nitrophenol. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 17643-17653.	2.2	22

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37	Application of multi-dimensional (0D, 1D, 2D) nanostructures for the cytological evaluation of cancer cells and their bacterial response. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 583, 123953.	4.7	7
38	Cold atmospheric plasma and silymarin nanoemulsion synergistically inhibits human melanoma tumorigenesis via targeting HGF/c-MET downstream pathway. <i>Cell Communication and Signaling</i> , 2019, 17, 52.	6.5	58
39	Nanorods of ZnO: An effective hydrazine sensor and their chemical properties. <i>Vacuum</i> , 2019, 165, 290-296.	3.5	15
40	Microwave plasma-assisted silicon nanoparticles: cytotoxic, molecular, and numerical responses against cancer cells. <i>RSC Advances</i> , 2019, 9, 13336-13347.	3.6	7
41	Gold quantum dots impair the tumorigenic potential of glioma stem-like cells via $\beta$ -catenin downregulation in vitro. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 1131-1148.	6.7	16
42	Phorate triggers oxidative stress and mitochondrial dysfunction to enhance micronuclei generation and DNA damage in human lymphocytes. <i>Saudi Journal of Biological Sciences</i> , 2019, 26, 1411-1417.	3.8	6
43	Green biosynthesis of silver nanoparticles using <i>Torreya nucifera</i> and their antibacterial activity. <i>Arabian Journal of Chemistry</i> , 2019, 12, 1722-1732.	4.9	50
44	Zirconium(IV) phosphosulphosalicylate-based ion selective membrane electrode for potentiometric determination of Pb(II) ions. <i>Arabian Journal of Chemistry</i> , 2019, 12, 1839-1847.	4.9	3
45	Antibacterial activity of trimetal (CuZnFe) oxide nanoparticles. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 77-87.	6.7	36
46	Nickel Oxide Nanoparticles Induced Transcriptomic Alterations in HEPG2 Cells. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1048, 163-174.	1.6	22
47	Cytotoxic, genetic and statistical analytical evaluation of functionalized CNTs with C2C12 cells. <i>Vacuum</i> , 2018, 152, 348-357.	3.5	2
48	An improved method of DNA preparation for PCR-based detection of <i>Brucella</i> in raw camel milk samples from Riyadh region and its comparison with immunological methods. <i>Journal of Food Safety</i> , 2018, 38, e12381.	2.3	5
49	Anticancer Potential of Green Synthesized Silver Nanoparticles Using Extract of <i>Nepeta deflersiana</i> against Human Cervical Cancer Cells (HeLA). <i>Bioinorganic Chemistry and Applications</i> , 2018, 2018, 1-12.	4.1	178
50	Nanocubic magnesium oxide: Towards hydrazine sensing. <i>Vacuum</i> , 2018, 155, 682-688.	3.5	14
51	Hematite iron oxide nanoparticles: apoptosis of myoblast cancer cells and their arithmetical assessment. <i>RSC Advances</i> , 2018, 8, 24750-24759.	3.6	52
52	Nanotransition Materials (NTMs): Photocatalysis, Validated High Effective Sorbent Models Study for Organic Dye Degradation and Precise Mathematical Data™s at Standardized Level. <i>Nanomaterials</i> , 2018, 8, 134.	4.1	12
53	General and facile purification of dye-labeled oligonucleotides by pH-controlled extraction. <i>BioTechniques</i> , 2018, 64, 21-23.	1.8	0
54	Functionalization of anti- <i>Brucella</i> antibody on ZnO-NPs and their deposition on aluminum sheet towards developing a sensor for the detection of <i>Brucella</i> . <i>Vacuum</i> , 2017, 146, 592-598.	3.5	11

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55	MWCNTs functionalization and immobilization with anti-Brucella antibody; towards the development of a nanosensor. <i>Vacuum</i> , 2017, 146, 623-632.	3.5	9
56	Thymol and carvacrol induce autolysis, stress, growth inhibition and reduce the biofilm formation by <i>Streptococcus mutans</i> . <i>AMB Express</i> , 2017, 7, 49.	3.0	68
57	Photocatalytic TMO-NMs adsorbent: Temperature-Time dependent Safranin degradation, sorption study validated under optimized effective equilibrium models parameter with standardized statistical analysis. <i>Scientific Reports</i> , 2017, 7, 42509.	3.3	26
58	Silica-supported NiO nanocomposites prepared via a sol-gel technique and their excellent catalytic performance for one-pot multicomponent synthesis of benzodiazepine derivatives under microwave irradiation. <i>New Journal of Chemistry</i> , 2017, 41, 5893-5903.	2.8	26
59	Evaluation of cytotoxic responses of raw and functionalized multi-walled carbon nanotubes in human breast cancer (MCF-7) cells. <i>Vacuum</i> , 2017, 146, 578-585.	3.5	11
60	Synthesis and characterization of some abundant nanoparticles, their antimicrobial and enzyme inhibition activity. <i>Acta Microbiologica Et Immunologica Hungarica</i> , 2017, 64, 203-216.	0.8	13
61	Co-precipitation synthesis and characterization of Co doped SnO <sub>2</sub> NPs, HSA interaction via various spectroscopic techniques and their antimicrobial and photocatalytic activities. <i>International Journal of Biological Macromolecules</i> , 2017, 94, 554-565.	7.5	101
62	Photocatalytic activity and statistical determination of ball-shaped zinc oxide NPs with methylene blue dye. <i>Inorganic and Nano-Metal Chemistry</i> , 2017, 47, 536-542.	1.6	7
63	Treatment of oral hyperpigmentation and gummy smile using lasers and role of plasma as a novel treatment technique in dentistry: An introductory review. <i>Oncotarget</i> , 2017, 8, 20496-20509.	1.8	22
64	Statistical Analytical Determination of Miniature Zinc Oxide Nanoclusters for Photodegradation of Methylene Red Dye. <i>Nanoscience and Nanotechnology Letters</i> , 2017, 9, 1-7.	0.4	6
65	Zinc Oxide Nanoparticles: Mechanism(s) of Cell Death Induced in Human Epidermoid Larynx Cell Line (HEp-2). <i>Nanoscience and Nanotechnology Letters</i> , 2017, 9, 573-582.	0.4	6
66	Template Free Synthesis of Copper Oxide Nanoparticles Prepared via Precipitation Process. <i>Asian Journal of Chemistry</i> , 2016, 28, 2622-2626.	0.3	5
67	Antibacterial studies and statistical design set data of quasi zinc oxide nanostructures. <i>RSC Advances</i> , 2016, 6, 32328-32339.	3.6	50
68	Genotoxicity of ferric oxide nanoparticles in <i>Raphanus sativus</i> : Deciphering the role of signaling factors, oxidative stress and cell death. <i>Journal of Environmental Sciences</i> , 2016, 47, 49-62.	6.1	28
69	Self-Styled ZnO Nanostructures Promotes the Cancer Cell Damage and Suppresses the Epithelial Phenotype of Glioblastoma. <i>Scientific Reports</i> , 2016, 6, 19950.	3.3	66
70	Differential cytotoxicity of copper ferrite nanoparticles in different human cells. <i>Journal of Applied Toxicology</i> , 2016, 36, 1284-1293.	2.8	47
71	Zinc oxide quantum dots: multifunctional candidates for arresting C2C12 cancer cells and their role towards caspase 3 and 7 genes. <i>RSC Advances</i> , 2016, 6, 26111-26120.	3.6	43
72	Fabrication, Characterization, and Growth Mechanism of Cobalt Oxide Nanodots to Nanospheres Via Soft Chemical Solution Process. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2016, 46, 1318-1323.	0.6	0

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73	Effect of Praseodymium on the Characteristics of Nano-ZnO Towards Organophosphate as a Nano-Electrochemical Device. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2016, 11, 6-11.	0.5	3
74	Anticoccidial and antioxidant activities of zinc oxide nanoparticles on <i>Eimeria papillata</i> -induced infection in the jejunum. <i>International Journal of Nanomedicine</i> , 2015, 10, 1961.	6.7	44
75	Utilization of photocatalytic ZnO nanoparticles for deactivation of safranin dye and their applications for statistical analysis. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015, 69, 101-108.	2.7	20
76	Biophysical Interactions of Novel Oleic Acid Conjugate and its Anticancer Potential in HeLa Cells. <i>Journal of Fluorescence</i> , 2015, 25, 519-525.	2.5	4
77	Impact of gold nanoparticles on brain of mice infected with <i>Schistosoma mansoni</i> . <i>Parasitology Research</i> , 2015, 114, 3711-3719.	1.6	31
78	Wet chemically synthesized catalytic nanorods for the deactivation of thymol blue and their statistical analytical applications. <i>Ceramics International</i> , 2015, 41, 3722-3730.	4.8	6
79	Molybdenum nanoparticles-induced cytotoxicity, oxidative stress, G2/M arrest, and DNA damage in mouse skin fibroblast cells (L929). <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 125, 73-81.	5.0	55
80	Soft chemically synthesized zinc oxide micro-flowers for the enhanced photocatalytic properties and their analytical determination. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 22, 192-198.	5.8	7
81	Zinc oxide quantum dots: a potential candidate to detain liver cancer cells. <i>Bioprocess and Biosystems Engineering</i> , 2015, 38, 155-163.	3.4	19
82	CoO Thin Nanosheets Exhibit Higher Antimicrobial Activity Against Tested Gram-positive Bacteria Than Gram-negative Bacteria. <i>Korean Chemical Engineering Research</i> , 2015, 53, 565-569.	0.2	8
83	Reactive Oxygen Species Mediated Bacterial Biofilm Inhibition via Zinc Oxide Nanoparticles and Their Statistical Determination. <i>PLoS ONE</i> , 2014, 9, e111289.	2.5	269
84	Statistical Parameters Effects on Photocatalytic Degradation of Rhodamine 6G Dye with Hexagonal Zinc Oxide Nanorods Synthesized via Solution Process. <i>Journal of Electronic Materials</i> , 2014, 43, 4266-4274.	2.2	3
85	Facile Growth of Barium Oxide Nanorods: Structural and Optical Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 5342-5346.	0.9	8
86	Role of Nanostructures for Anti-proliferation of Bacteria and Their Quantitative Study Validated by Statistical Analysis. <i>Journal of Pharmaceutical Innovation</i> , 2014, 9, 282-290.	2.4	3
87	ZnO nanoparticles induced oxidative stress and apoptosis in HepG2 and MCF-7 cancer cells and their antibacterial activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 117, 267-276.	5.0	254
88	Optical Analysis of Zinc Oxide Quantum Dots with Bovine Serum Albumin and Bovine Hemoglobin. <i>Journal of Pharmaceutical Innovation</i> , 2014, 9, 48-52.	2.4	10
89	Quantitative determination of raw and functionalized carbon nanotubes for the antibacterial studies. <i>Journal of Materials Science</i> , 2014, 49, 4288-4296.	3.7	10
90	Statistical analysis of gold nanoparticle-induced oxidative stress and apoptosis in myoblast (C2C12) cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 664-672.	5.0	65

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91	Poly <i>p</i> -Toluidine Zirconium(IV) Iodosulfosalicylate-Based Ion-Selective Membrane Electrode for Potentiometric Determination of Cr(III) Ions and Its Analytical Applications. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 14897-14903.	3.7	12
92	Enhance antimicrobial activity of ZnO nanomaterials (QDs and NPs) and their analytical applications. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014, 62, 111-117.	2.7	18
93	Microwave assisted hydrothermal synthesis of mesoporous SnO <sub>2</sub> nanoparticles for ethanol sensing and degradation. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 2082-2090.	2.2	23
94	Effective inhibition of bacterial respiration and growth by CuO microspheres composed of thin nanosheets. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 111, 211-217.	5.0	48
95	Synthesis of thermally stable monodispersed Au@SnO <sub>2</sub> core-shell structure nanoparticles by a sonochemical technique for detection and degradation of acetaldehyde. <i>Analytical Methods</i> , 2013, 5, 1456.	2.7	39
96	Photocatalytic oxidation of acetaldehyde with ZnO-quantum dots. <i>Chemical Engineering Journal</i> , 2013, 226, 154-160.	12.7	50
97	Biogenesis of Gold Nanoparticles Using Plant Powders and Assessment of In Vitro Cytotoxicity in 3T3-L1 Cell Line. <i>Journal of Pharmaceutical Innovation</i> , 2013, 8, 265-275.	2.4	14
98	ZnO Nanoparticles Induce Oxidative Stress in Cloudman S91 Melanoma Cancer Cells. <i>Journal of Biomedical Nanotechnology</i> , 2013, 9, 441-449.	1.1	86
99	ZnO Nanoparticles Induces Cell Death in Malignant Human T98G Gliomas, KB and Non-Malignant HEK Cells. <i>Journal of Biomedical Nanotechnology</i> , 2013, 9, 1181-1189.	1.1	85
100	Hydrogen Adsorption Properties of Nano- and Microstructures of ZnO. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-6.	2.7	13
101	Thermal and Spectroscopic Studies of Transition Metal Complexes with Dihydrobis(2-Mercaptobenzothiazolyl)borate. <i>Asian Journal of Chemistry</i> , 2013, 25, 10386-10392.	0.3	1
102	ZnO Nanoparticles: Cytological Effect on Chick Fibroblast Cells and Antimicrobial Activities Towards <i>Escherichia Coli</i> and <i>Bacillus Subtilis</i> . <i>Science of Advanced Materials</i> , 2013, 5, 1571-1580.	0.7	12
103	Platinum Quantum Dots and Their Cytotoxic Effect Towards Myoblast Cancer Cells (C <sub>2</sub> C <sub>12</sub> ). <i>Journal of Biomedical Nanotechnology</i> , 2012, 8, 424-431.	1.1	26
104	Photoconducting Properties of a Unit Nanostructure of ZnO Assembled Between Microelectrodes. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 2406-2411.	0.9	3
105	Fabrication, growth mechanism and antibacterial activity of ZnO micro-spheres prepared via solution process. <i>Biomass and Bioenergy</i> , 2012, 39, 227-236.	5.7	62
106	GC-MS Analysis and Evaluation of Antimicrobial, Free Radical Scavenging and In Vitro Cytotoxic Activities of the Methanolic Extract of <i>Rheum Undulatum</i> . <i>Science of Advanced Materials</i> , 2012, 4, 1238-1246.	0.7	1
107	Synthesis and Characterization of High-Purity Silica Nanosphere from Rice Husk. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 5934-5938.	0.9	8
108	Non-hydrolytic synthesis and photo-catalytic studies of ZnO nanoparticles. <i>Chemical Engineering Journal</i> , 2011, 175, 450-457.	12.7	77

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109	Fabrication and growth mechanism of ZnO nanostructures and their cytotoxic effect on human brain tumor U87, cervical cancer HeLa, and normal HEK cells. <i>Journal of Biological Inorganic Chemistry</i> , 2011, 16, 431-442.	2.6	99
110	Microbial synthesis of gold nanoparticles using the fungus <i>Penicillium brevicompactum</i> and their cytotoxic effects against mouse mayo blast cancer C2C12 cells. <i>Applied Microbiology and Biotechnology</i> , 2011, 92, 617-630.	3.6	180
111	Photocatalytic activity of zinc oxide micro-flowers synthesized via solution method. <i>Chemical Engineering Journal</i> , 2011, 168, 359-366.	12.7	79
112	Fabrication, characterization and growth mechanism of heterostructured zinc oxide nanostructures via solution method. <i>Current Applied Physics</i> , 2011, 11, 334-340.	2.4	50
113	Antibacterial activity of ZnO nanoparticles prepared via non-hydrolytic solution route. <i>Applied Microbiology and Biotechnology</i> , 2010, 87, 1917-1925.	3.6	182
114	Effect of refluxing time on the morphology of pencil like zinc oxide nanostructures prepared by solution method. <i>Metals and Materials International</i> , 2010, 16, 767-772.	3.4	14
115	Formation of ZnO Micro-Flowers Prepared via Solution Process and their Antibacterial Activity. <i>Nanoscale Research Letters</i> , 2010, 5, 1675-1681.	5.7	124
116	Fabrication and growth mechanism of hexagonal zinc oxide nanorods via solution process. <i>Journal of Materials Science</i> , 2010, 45, 2967-2973.	3.7	57
117	A simple method to deposit palladium doped SnO <sub>2</sub> thin films using plasma enhanced chemical vapor deposition technique. <i>Review of Scientific Instruments</i> , 2010, 81, 113903.	1.3	8
118	Controlled Synthesis of Zinc Oxide Nanoneedles and Their Transformation to Microflowers. <i>Science of Advanced Materials</i> , 2010, 2, 35-42.	0.7	25
119	Low temperature synthesis and characterization of rosette-like nanostructures of ZnO using solution process. <i>Solid State Sciences</i> , 2009, 11, 439-443.	3.2	54
120	The role of pH variation on the growth of zinc oxide nanostructures. <i>Applied Surface Science</i> , 2009, 255, 4891-4896.	6.1	187
121	Effect of annealing on the conversion of ZnS to ZnO nanoparticles synthesized by the sol-gel method using zinc acetate and thiourea. <i>Metals and Materials International</i> , 2009, 15, 453-458.	3.4	33
122	Effect of nanostructure on the urea sensing properties of sol-gel synthesized ZnO. <i>Sensors and Actuators B: Chemical</i> , 2009, 137, 566-573.	7.8	92
123	Immobilization of DNA on nano-hydroxyapatite and their interaction with carbon nanotubes. <i>Synthetic Metals</i> , 2009, 159, 238-245.	3.9	28
124	A non-aqueous synthesis, characterization of zinc oxide nanoparticles and their interaction with DNA. <i>Synthetic Metals</i> , 2009, 159, 2443-2452.	3.9	66
125	Synthesis, Characterization and Effect of pH Variation on Zinc Oxide Nanostructures. <i>Materials Transactions</i> , 2009, 50, 2092-2097.	1.2	107
126	Effect of hydroxylamine hydrochloride on the floral decoration of zinc oxide synthesized by solution method. <i>Applied Surface Science</i> , 2008, 254, 2037-2042.	6.1	32



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127	Influence of the silicon surface treatment by plasma etching and scratching on the nucleation of diamond grown in HFCVD - a comparative study. Korean Journal of Chemical Engineering, 2008, 25, 593-598.	2.7	2
128	Glucose sensor based on nano-baskets of tin oxide templated in porous alumina by plasma enhanced CVD. Biosensors and Bioelectronics, 2008, 23, 1838-1842.	10.1	77
129	Synthesis and characterization of hydrozincite and its conversion into zinc oxide nanoparticles. Journal of Alloys and Compounds, 2008, 461, 66-71.	5.5	113
130	Room temperature synthesis of needle-shaped ZnO nanorods via sonochemical method. Applied Surface Science, 2007, 253, 7622-7626.	6.1	189
131	Low temperature solution synthesis and characterization of ZnO nano-flowers. Materials Research Bulletin, 2007, 42, 1640-1648.	5.2	337
132	Synthesis of Magnesium Oxide Nanoparticles by Sol-Gel Process. Materials Science Forum, 0, , 983-986.	0.3	2