

Ansari S G

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111
papers

2,546
citations

25
h-index

46
g-index

131
ext. papers

2,759
ext. citations

2.9
avg, IF

4.79
L-index

#	Paper	IF	Citations
111	Low temperature solution synthesis and characterization of ZnO nano-flowers. <i>Materials Research Bulletin</i> , 2007 , 42, 1640-1648	5.1	291
110	Room temperature synthesis of needle-shaped ZnO nanorods via sonochemical method. <i>Applied Surface Science</i> , 2007 , 253, 7622-7626	6.7	168
109	The role of pH variation on the growth of zinc oxide nanostructures. <i>Applied Surface Science</i> , 2009 , 255, 4891-4896	6.7	153
108	Effect of MoO ₃ doping and grain size on SnO ₂ -enhancement of sensitivity and selectivity for CO and H ₂ gas sensing. <i>Sensors and Actuators B: Chemical</i> , 2002 , 87, 105-114	8.5	90
107	Electrophoretically deposited polyaniline/ZnO nanoparticles for p-n heterostructure diodes. <i>Superlattices and Microstructures</i> , 2009 , 46, 872-880	2.8	87
106	Effect of nanostructure on the urea sensing properties of sol-gel synthesized ZnO. <i>Sensors and Actuators B: Chemical</i> , 2009 , 137, 566-573	8.5	86
105	Synthesis and characterization of hydrozincite and its conversion into zinc oxide nanoparticles. <i>Journal of Alloys and Compounds</i> , 2008 , 461, 66-71	5.7	86
104	Mechanically exfoliated MoS ₂ sheet coupled with conductive polyaniline as a superior supercapacitor electrode material. <i>Journal of Colloid and Interface Science</i> , 2017 , 504, 276-282	9.3	74
103	Facile and sustainable synthesis of carbon-doped ZnO nanostructures towards the superior visible light photocatalytic performance. <i>New Journal of Chemistry</i> , 2017 , 41, 9314-9320	3.6	71
102	Glucose sensor based on nano-baskets of tin oxide templated in porous alumina by plasma enhanced CVD. <i>Biosensors and Bioelectronics</i> , 2008 , 23, 1838-42	11.8	68
101	Influence of O ₂ admixture and sputtering pressure on the properties of ITO thin films deposited on PET substrate using RF reactive magnetron sputtering. <i>Surface and Coatings Technology</i> , 2003 , 173, 299-308	4.4	64
100	Low temperature synthesis and characterization of rosette-like nanostructures of ZnO using solution process. <i>Solid State Sciences</i> , 2009 , 11, 439-443	3.4	51
99	Two-dimensional ytterbium oxide nanodisks based biosensor for selective detection of urea. <i>Biosensors and Bioelectronics</i> , 2017 , 98, 254-260	11.8	47
98	Urea sensor based on tin oxide thin films prepared by modified plasma enhanced CVD. <i>Sensors and Actuators B: Chemical</i> , 2008 , 132, 265-271	8.5	45
97	ITO thin films deposited at different oxygen flow rates on Si(100) using the PEMOCVD method. <i>Surface and Coatings Technology</i> , 2002 , 161, 62-69	4.4	44
96	Effect of substrate temperature on the bonded states of indium tin oxide thin films deposited by plasma enhanced chemical vapor deposition. <i>Thin Solid Films</i> , 2003 , 426, 124-131	2.2	43
95	Characterization of SnO ₂ -based H ₂ gas sensors fabricated by different deposition techniques. <i>Journal of Materials Science: Materials in Electronics</i> , 1997 , 8, 23-27	2.1	42

94	Effect of annealing temperature on structural and bonded states of titanate nanotube films. <i>Journal of Applied Physics</i> , 2007 , 101, 024314	2.5	35
93	Electrochemical enzyme-less urea sensor based on nano-tin oxide synthesized by hydrothermal technique. <i>Chemico-Biological Interactions</i> , 2015 , 242, 45-9	5	34
92	Biocompatible nanostructured magnesium oxide-chitosan platform for genosensing application. <i>Biosensors and Bioelectronics</i> , 2013 , 45, 181-8	11.8	32
91	Immobilization of avidin on the functionalized carbon nanotubes. <i>Synthetic Metals</i> , 2006 , 156, 938-943	3.6	32
90	Effect of hydroxylamine hydrochloride on the floral decoration of zinc oxide synthesized by solution method. <i>Applied Surface Science</i> , 2008 , 254, 2037-2042	6.7	31
89	Fabrication and characterization of a highly sensitive hydroquinone chemical sensor based on iron-doped ZnO nanorods. <i>Dalton Transactions</i> , 2015 , 44, 21081-7	4.3	30
88	Preparation of nanofibers consisting of MnO/Mn ₃ O ₄ by using the electrospinning technique: the nanofibers have two band-gap energies. <i>Applied Physics A: Materials Science and Processing</i> , 2009 , 95, 769-776	2.6	30
87	Immobilization of DNA on nano-hydroxyapatite and their interaction with carbon nanotubes. <i>Synthetic Metals</i> , 2009 , 159, 238-245	3.6	26
86	Influence of Titanium Oxide Nanoparticles on the Physical and Thermomechanical Behavior of Poly Methyl Methacrylate (PMMA): A Denture Base Resin. <i>Science of Advanced Materials</i> , 2017 , 9, 938-944	2.3	24
85	Electronic Structure, Optical and Transport Properties of Double Perovskite La ₂ NbMnO ₆ : A Theoretical Understanding from DFT Calculations. <i>Journal of Electronic Materials</i> , 2018 , 47, 3615-3621	1.9	22
84	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	2.4	22
83	Synthesis and Characterization of an Efficient Hole-Conductor Free Halide Perovskite CH ₃ NH ₃ PbI ₃ Semiconductor Absorber Based Photovoltaic Device for IOT. <i>Journal of the Electrochemical Society</i> , 2018 , 165, B3023-B3029	3.9	21
82	Effect of growth temperature on the morphology and bonded states of SnO ₂ nanobaskets. <i>Applied Surface Science</i> , 2007 , 253, 4668-4672	6.7	21
81	Glucose sensor based on copper oxide nanostructures. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 3569-74	1.3	20
80	Technique for the production, preservation, and transportation of H atoms in metal chambers for processings. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2005 , 23, 1728-1731	2.9	20
79	A novel method for preparing stoichiometric SnO(2) thin films at low temperature. <i>Review of Scientific Instruments</i> , 2009 , 80, 045112	1.7	19
78	Fabrication of polyaniline/TiO ₂ heterojunction structure using plasma enhanced polymerization technique. <i>Superlattices and Microstructures</i> , 2009 , 46, 745-751	2.8	19
77	H ₂ dilution effect in the Cat-CVD processes of the SiH ₄ /NH ₃ system. <i>Thin Solid Films</i> , 2006 , 501, 31-34	2.2	19

76	The effect of humidity on an SnO ₂ thick-film planar resistor. <i>Sensors and Actuators B: Chemical</i> , 1994 , 21, 159-163	8.5	19
75	Magnesium oxide grafted carbon nanotubes based impedimetric genosensor for biomedical application. <i>Biosensors and Bioelectronics</i> , 2013 , 50, 406-13	11.8	18
74	Application of pristine and doped SnO nanoparticles as a matrix for agro-hazardous material (organophosphate) detection. <i>Scientific Reports</i> , 2017 , 7, 42510	4.9	17
73	Tin oxide quantum dot based DNA sensor for pathogen detection. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 1671-8	1.3	17
72	Intercalated reduced graphene oxide and its content effect on the supercapacitance performance of the three dimensional flower-like Ni(OH) ₂ architecture. <i>New Journal of Chemistry</i> , 2017 , 41, 10467-10475	3.6	16
71	Electrochemical deposition of copper and ruthenium on titanium. <i>Electrochimica Acta</i> , 2006 , 51, 5445-5457	4.7	16
70	Electrochemically Deposited Ruthenium Seed Layer Followed by Copper Electrochemical Plating. <i>Electrochemical and Solid-State Letters</i> , 2006 , 9, C19		15
69	Mass-Spectrometric Studies of Catalytic Chemical Vapor Deposition Processes of Organic Silicon Compounds Containing Nitrogen. <i>Japanese Journal of Applied Physics</i> , 2006 , 45, 961-966	1.4	15
68	A Label-Free Photoluminescence Genosensor Using Nanostructured Magnesium Oxide for Cholera Detection. <i>Scientific Reports</i> , 2015 , 5, 17384	4.9	14
67	Lonsdaleite diamond growth on reconstructed Si (100) by hot-filament chemical vapor deposition (HFCVD). <i>Korean Journal of Chemical Engineering</i> , 2003 , 20, 1154-1157	2.8	14
66	ATP fosters the tuning of nanostructured CeO ₂ peroxidase-like activity for promising antibacterial performance. <i>New Journal of Chemistry</i> , 2020 , 44, 11291-11303	3.6	13
65	Growth and morphological study of zinc oxide nanoneedles grown on the annealed titanate nanotubes using hydrothermal method. <i>Journal of Applied Physics</i> , 2007 , 102, 084302	2.5	13
64	Effect of thickness on H ₂ gas sensitivity of SnO ₂ nanoparticle-based thick film resistors. <i>Journal of Materials Science: Materials in Electronics</i> , 1996 , 7, 267	2.1	13
63	Doped SnO Nanomaterials for E-Nose Based Electrochemical Sensing of Biomarkers of Lung Cancer. <i>ACS Omega</i> , 2020 , 5, 27645-27654	3.9	13
62	Hydrothermal growth of ZnO on annealed electrodeposited titanate film: Influence of zinc nitrate and methenamine. <i>Applied Surface Science</i> , 2007 , 253, 7197-7202	6.7	12
61	Preparation and characterization of FeOOH and Fe ₂ O ₃ by sol-gel method. <i>Journal of Materials Science</i> , 2005 , 40, 3031-3034	4.3	12
60	Dye Sensitized Solar Cells Fabricated Using Cu-Doped TiO ₂ Nanopowder with Anthocyanin as Sensitizer. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2015 , 10, 290-294	1.3	12
59	Effect of neodymium on the photoconversion efficiency of TiO ₂ based dye sensitized solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 1737-1742	2.1	11

58	Mechanochemical synthesis of melamine doped TiO ₂ nanoparticles for dye sensitized solar cells application. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 9108-9116	2.1	11
57	Glucose sensing characteristics of Pd-doped tin oxide thin films deposited by plasma enhanced CVD. <i>Sensors and Actuators B: Chemical</i> , 2012 , 168, 149-155	8.5	11
56	Rotational and vibrational state distributions of H ₂ activated on a heated tungsten filament. <i>Journal of Applied Physics</i> , 2006 , 99, 043510	2.5	11
55	Nanostructured magnesium oxide biosensing platform for cholera detection. <i>Applied Physics Letters</i> , 2013 , 102, 144106	3.4	10
54	Catalytic CVD processes of oxidizing species and the prevention of oxidization of heated tungsten filaments by H ₂ . <i>Thin Solid Films</i> , 2008 , 516, 829-831	2.2	10
53	Synthesis and Characterization of Gd-Doped ZnO Nanopencils for Acetone Sensing Application. <i>Science of Advanced Materials</i> , 2015 , 7, 1241-1246	2.3	10
52	Relief of Oxidative Stress Using Curcumin and Glutathione Functionalized ZnO Nanoparticles in HEK-293 Cell Line. <i>Journal of Biomedical Nanotechnology</i> , 2015 , 11, 1913-26	4	9
51	Enhanced photocatalytic properties of nanoclustered P-doped TiO ₂ films deposited by advanced atmospheric plasma jet. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 6996-7001	1.3	9
50	Self-assembled monolayer based electrochemical nucleic acid sensor for Vibrio cholerae detection. <i>Journal of Physics: Conference Series</i> , 2012 , 358, 012009	0.3	9
49	Low temperature deposition and effect of plasma power on tin oxide thin films prepared by modified plasma enhanced chemical vapor deposition. <i>Journal of Applied Physics</i> , 2007 , 102, 073537	2.5	9
48	MWCNTs functionalization and immobilization with anti-Brucella antibody; towards the development of a nanosensor. <i>Vacuum</i> , 2017 , 146, 623-632	3.7	8
47	Europium doped TiO ₂ : an efficient photoanode material for dye sensitized solar cell. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 6873-6879	2.1	8
46	Effect of flower extracts on the photoconversion efficiency of dye sensitized solar cells fabricated with Sn-doped TiO ₂ . <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 5170-5174	2.1	8
45	Thermal, creep-recovery and viscoelastic behavior of high density polyethylene/hydroxyapatite nano particles for bone substitutes: effects of gamma radiation. <i>BioMedical Engineering OnLine</i> , 2014 , 13, 125	4.1	8
44	Glutathione Coated Zinc Oxide Nanoparticles: A Promising Material for Pesticide Detection. <i>Energy and Environment Focus</i> , 2013 , 2, 101-107		7
43	One-pot synthesis and characterization of Nb ₂ O ₅ nanopowder. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 7922-6	1.3	7
42	Growth kinetics of diamond film with bias enhanced nucleation and H ₂ /CH ₄ /Ar mixture in a hot-filament chemical vapor deposition system. <i>Journal of Crystal Growth</i> , 2004 , 265, 563-570	1.6	7
41	Effect of RF Plasma Power and Deposition Temperature on the Surface Properties of Tin Oxide Deposited by Modified Plasma Enhanced Chemical Vapor Deposition. <i>Science of Advanced Materials</i> , 2009 , 1, 254-261	2.3	7

40	Oxidative Stress Control in E. coli and S. aureus Cells Using Amines Adsorbed ZnO. <i>Science of Advanced Materials</i> , 2014 , 6, 1236-1243	2.3	7
39	Vascular Tissue Engineering Using Polycaprolactone Nanofibrous Scaffolds Fabricated via Electrospinning. <i>Science of Advanced Materials</i> , 2015 , 7, 407-413	2.3	7
38	Polyaniline-Functionalized TiO ₂ Nanoparticles as a Suitable Matrix for Hydroquinone Sensor. <i>Science of Advanced Materials</i> , 2017 , 9, 2032-2038	2.3	7
37	Cholesterol Biosensor Based on Neodymium Doped Manganese Titanate Nanoparticles. <i>Sensor Letters</i> , 2014 , 12, 1495-1501	0.9	7
36	Nanostructured Cuprous-Oxide-Based Screen-Printed Electrode for Electrochemical Sensing of Picric Acid. <i>Journal of Electronic Materials</i> , 2018 , 47, 7505-7513	1.9	7
35	Human Bone Marrow MSCs Form Cartilage and Mineralized Tissue on Chitosan/Polycaprolactone (CS/PCL) Combined Nanofibrous Scaffolds. <i>Journal of Nanoscience and Nanotechnology</i> , 2017 , 17, 1771-1778	1.3	6
34	A simple method to deposit palladium doped SnO ₂ thin films using plasma enhanced chemical vapor deposition technique. <i>Review of Scientific Instruments</i> , 2010 , 81, 113903	1.7	6
33	Understanding the effect of flower extracts on the photoconducting properties of nanostructured TiO ₂ . <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 7860-8	1.3	6
32	Application of Amine and Copper Doped Magnesium Oxide Nanoparticles in Electrochemical Immunosensors for Detecting Brucella abortus. <i>Nanoscience and Nanotechnology Letters</i> , 2017 , 9, 1656-1664	0.8	6
31	Sol-Gel Synthesis of Manganese Doped Titanium Oxide Nanoparticles for Electrochemical Sensing of Hydroquinone. <i>Journal of Nanoscience and Nanotechnology</i> , 2017 , 17, 2296-301	1.3	5
30	Effect of tungsten/filament on the growth of carbon nanotubes in hot filament chemical vapor deposition system. <i>Journal of Materials Science</i> , 2004 , 39, 5771-5777	4.3	5
29	Fabrication and Characterization of Polycaprolactone Micro and Nanofibers for Vascular Tissue Replacement. <i>Science of Advanced Materials</i> , 2015 , 7, 599-605	2.3	5
28	Embedded Fiber Bragg Grating Based Strain Sensor as Smart Costume for Vital Signal Sensing. <i>Sensor Letters</i> , 2014 , 12, 1669-1674	0.9	5
27	Ethyl Acetate Chemical Sensor as Lung Cancer Biomarker Detection Based on Doped Nano-SnO ₂ Synthesized by Sol-Gel Process. <i>IEEE Sensors Journal</i> , 2020 , 20, 12504-12511	4	4
26	Tailoring the Optoelectronic Properties of Nano-Metal Oxides Using Anthocyanins and Lanthanide. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 9548-53	1.3	4
25	Urea sensing characteristics of titanate nanotubes deposited by electrophoretic deposition method. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 3323-9	1.3	4
24	Magnesium interlayered diamond coating on silicon. <i>International Journal of Refractory Metals and Hard Materials</i> , 2006 , 24, 418-426	4.1	4
23	Effect of MgO interlayer on diamond film growth on silicon (100). <i>Thin Solid Films</i> , 2006 , 497, 103-108	2.2	4

22	ZnO Nanoparticles: Efficient Material for the Detection of Hazardous Chemical. <i>Sensor Letters</i> , 2014 , 12, 1393-1398	0.9	4
21	A Wearable Wireless Respiration Rate Monitoring System Based on Fiber Optic Sensors. <i>Sensor Letters</i> , 2014 , 12, 1331-1336	0.9	4
20	Nucleation of diamond over nanotube coated Si substrate using hot filament chemical vapor deposition (CVD) system. <i>Korean Journal of Chemical Engineering</i> , 2004 , 21, 262-266	2.8	3
19	Urea Sensing Properties of Cu-Doped Titanate Nanostructures. <i>Advanced Science Letters</i> , 2011 , 4, 3451-3457	0.9	3
18	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	1.3	3
17	Effect of Flower Extracts on the Optoelectronic Properties of Cd and Sn Doped TiO ₂ Nanopowder. <i>Science of Advanced Materials</i> , 2012 , 4, 763-770	2.3	3
16	Effect of Inoculum Size and Surface Charges on the Cytotoxicity of ZnO Nanoparticles for Bacterial Cells. <i>Science of Advanced Materials</i> , 2015 , 7, 2515-2522	2.3	3
15	A Special Issue on Biosensors. <i>Sensor Letters</i> , 2016 , 14, 1-3	0.9	3
14	Feasibility study of doped SnO ₂ nanomaterial for electronic nose towards sensing biomarkers of lung cancer. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 15751-15763	2.1	3
13	New insight into the growth of monolayer MoS ₂ flakes using an indigenously developed CVD setup: a study on shape evolution and spectroscopy. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 5429-5441	7.8	3
12	Effect of polyaniline concentration on the photoconversion efficiency of nano-TiO ₂ based dye sensitized solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 3210-3216	2.1	2
11	Influence of the silicon surface treatment by plasma etching and scratching on the nucleation of diamond grown in HFCVD - a comparative study. <i>Korean Journal of Chemical Engineering</i> , 2008 , 25, 593-598	2.8	2
10	Effect of deposition temperature on the growth of Y ₁ Ba ₂ Cu ₃ O _{7-x} thin film by aerosol assisted chemical vapor deposition using liquid solution sources. <i>Korean Journal of Chemical Engineering</i> , 2003 , 20, 772-775	2.8	2
9	Low melting temperature thin coating of zinc on Si(1 0 0) for diamond film growth. <i>Carbon</i> , 2005 , 43, 858-860	10.4	2
8	Architectonics of Mesoporous Nanomaterials. <i>Reviews in Advanced Sciences and Engineering</i> , 2013 , 2, 77-89		2
7	Characterization of Ruthenium Thin Film on Tantalum by Electrochemical Deposition: Rutherford Backscattering Spectroscopy. <i>Science of Advanced Materials</i> , 2011 , 3, 932-938	2.3	2
6	Significance of Doping Induced Tailored Zinc Oxide Nanoparticles: Implication on Structural, Morphological and Optical Characteristics. <i>Science of Advanced Materials</i> , 2017 , 9, 2202-2213	2.3	2
5	Fabrication and Characterization of Cholesterol Biosensor Based on Nanoscale Sn-TiO ₂ Thin Films. <i>Sensor Letters</i> , 2014 , 12, 44-49	0.9	2

4	Synthesis, characterization and device simulation of the thin films of CH ₃ NH ₃ PbI ₃ perovskite absorber and CdS buffer layer 2019 ,		1
3	Photoconducting properties of a unit nanostructure of ZnO assembled between microelectrodes. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 2406-11	1.3	1
2	Stromal Cells Attachment, Proliferation and Nano-Mechanical Behavior of High Density Polyethylene/Carbon Nanotubes/Nanoclay as Artificial Hip and Knee Joint Bearing Material. <i>Nanoscience and Nanotechnology Letters</i> , 2016 , 8, 846-852	0.8	1
1	A novel high yield method for dry functionalization of carbon nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 3200-7	1.3	