

# Lassaad El Mir

## List of Publications by Year in descending order

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213  
papers

5,428  
citations

71004

43  
h-index

134545

62  
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213  
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213  
docs citations

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times ranked

5823  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of red luminescent nanocomposite based on calcium doped $\hat{\text{I}}\pm\text{-Zn}_2\text{SiO}_4$ nanoparticles embedded in silica matrix. <i>Physica B: Condensed Matter</i> , 2022, 624, 413441.	1.3	7
2	Effect of oxygen annealing treatment on structural, optical and electrical properties of In doped ZnO thin films prepared by PLD technique. <i>Physica B: Condensed Matter</i> , 2022, 626, 413577.	1.3	7
3	Evaluation of the Structureâ€“Micromorphology Relationship of Co10%â€“Alx Co-doped Zinc Oxide Nanostructured Thin Films Deposited by Pulsed Laser Using XRD and AFM. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 7717-7728.	1.7	6
4	The optoelectronic properties and effect of calcium doping on structural and electrical properties of ZO-Ca aerogel nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 6485.	1.1	1
5	X-ray peaks profile analysis, optical and cathodoluminescence investigations of cobalt-doped ZnO nanoparticles. <i>Journal of Luminescence</i> , 2022, 245, 118770.	1.5	13
6	Electrical and Magnetic Studies of Maghemite ( $\hat{\text{I}}^3\text{-Fe}_2\text{O}_3$ ) Prepared by the Solâ€“Gel Route. <i>Journal of Electronic Materials</i> , 2022, 51, 2698-2707.	1.0	12
7	Robust Magnetic $\hat{\text{I}}^3\text{-Fe}_2\text{O}_3/\text{Al}^{\hat{\text{I}}^3}\text{-ZnO}$ Adsorbent for Chlorpyrifos Removal in Water. <i>Water (Switzerland)</i> , 2022, 14, 1160.	1.2	2
8	Magneto-thermal properties of Co-doped maghemite ( $\hat{\text{I}}^3\text{-Fe}_2\text{O}_3$ ) nanoparticles for magnetic hyperthermia applications. <i>Physica B: Condensed Matter</i> , 2022, 639, 413993.	1.3	10
9	Structural, optical, and magnetic properties of V-doped ZnO nanoparticles and the onset of ferromagnetic order. <i>Journal of Alloys and Compounds</i> , 2022, 920, 165920.	2.8	6
10	Electrical transport of Mg-doped maghemite ( $\hat{\text{I}}^3\text{-Fe}_2\text{O}_3$ ) nanoparticles. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, .	1.1	6
11	Hopping charge transport of the porous carbon. <i>Materials Today: Proceedings</i> , 2021, 43, 3345-3353.	0.9	1
12	Novel polyvinylidene fluoride/lead-doped zinc oxide adsorptive membranes for enhancement of the removal of reactive textile dye. <i>International Journal of Environmental Science and Technology</i> , 2021, 18, 2793-2804.	1.8	5
13	Effect of Al and Mg Co-doping on the Microstructural and Gas-Sensing Characteristics of ZnO Nanoparticles. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 1653-1667.	1.9	10
14	Development of a Ternary AlMgZnO-Based Conductometric Sensor for Carbon Oxides Sensing. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-7.	2.4	6
15	Preparation, Properties and Applications of the Hybrid Organic/Inorganic Nanocomposite Based on Nanoporous Carbon Matrix. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 4360-4371.	1.9	3
16	Effect of the Active Layer Thickness of Pentacene Thin Film Transistor; Illumination Effect. <i>Journal of Electronic Materials</i> , 2021, 50, 5701-5712.	1.0	1
17	Touch sensor and photovoltaic characteristics of CuSbS <sub>2</sub> thin films. <i>Ceramics International</i> , 2021, 47, 22594-22603.	2.3	6
18	Study of ZnO room temperature NO <sub>2</sub> sensor under illumination prepared by auto-combustion. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	1.1	12

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19	Structural, electrical, dielectric properties and complex impedance analysis of Pr <sub>0.6</sub> Sr <sub>0.4</sub> Mn <sup>1-x</sup> A <sub>x</sub> O <sub>3</sub> perovskites (A = Cr and Ti). Journal of Materials Science: Materials in Electronics, 2021, 32, 22330-22341.	1.1	1
20	Synthesis, structural characterization, electric and dielectric properties of Pr <sub>0.67</sub> Ba <sub>0.22</sub> Sr <sub>0.11</sub> Mn <sub>0.925</sub> Ni <sub>0.075</sub> O <sub>3</sub> perovskite for thermal energy storage. Journal of Alloys and Compounds, 2021, 874, 159866.	2.8	5
21	Contactless Visible Luminescence Thermometry Based on $\hat{I}^2$ -Phase Zinc Silicate Confined in Silica Glass Matrix. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 2648-2653.	1.9	6
22	Effect of Al and Mg Doping on Reducing Gases Detection of ZnO Nanoparticles. Chemosensors, 2021, 9, 300.	1.8	13
23	In deep evaluation of the neurotoxicity of orally administered TiO <sub>2</sub> nanoparticles. Brain Research Bulletin, 2020, 155, 119-128.	1.4	25
24	Effect of aluminum loading on structural and morphological characteristics of ZnO nanoparticles for heavy metal ion elimination. Environmental Science and Pollution Research, 2020, 27, 3086-3099.	2.7	20
25	Structural, electrical properties and complex impedance analysis of Pr <sub>0.67</sub> Ba <sub>0.22</sub> Sr <sub>0.11</sub> Mn <sup>1-x</sup> Ti <sub>x</sub> O <sub>3</sub> perovskites. Journal of Materials Science: Materials in Electronics, 2020, 31, 20657-20666.	1.1	2
26	Antibacterial activity of In-doped ZnO nanoparticles. Inorganic Chemistry Communication, 2020, 122, 108281.	1.8	38
27	Facile synthesis of Al-Mg co-doped ZnO nanoparticles and their high hydrogen sensing performances. International Journal of Hydrogen Energy, 2020, 45, 34268-34280.	3.8	15
28	Development and electrical characterization of screen-printed electrode based on ZnO nanoparticles. Journal of Materials Science: Materials in Electronics, 2020, 31, 13899-13908.	1.1	5
29	High response to sub-ppm level of NO <sub>2</sub> with 50%RH of ZnO sensor obtained by an auto-combustion method. Journal of Materials Science: Materials in Electronics, 2020, 31, 14249-14260.	1.1	19
30	Effect of Mg-doping ZnO nanoparticles on detection of low ethanol concentrations. Materials Chemistry and Physics, 2020, 255, 123643.	2.0	40
31	Studies of the Dirac Point in a GO/P3HT Nanocomposite Thin-Film Phototransistor. Journal of Electronic Materials, 2020, 49, 5808-5815.	1.0	0
32	Effect of substrate type on RF magnetron sputtered CuInS <sub>2</sub> thin films properties based on nanoparticles synthesized by solvothermal route. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	2
33	A comparison of NO <sub>2</sub> sensing characteristics of $\hat{I}^{\pm}$ - and $\hat{I}^3$ -iron oxide-based solid-state gas sensors. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	4
34	Effect of nano-ZnO on mechanical and thermal properties of geopolymer. Journal of Asian Ceramic Societies, 2020, 8, 1-9.	1.0	46
35	Highlighting the Au/TiO <sub>2</sub> role in the memory effect of Au/TiO <sub>2</sub> /ITO/ZnO:Al/p-Si heterostructure. Journal of Materials Science: Materials in Electronics, 2020, 31, 7084-7092.	1.1	4
36	Formaldehyde sensing characteristics of calcium-doped zinc oxide nanoparticles-based gas sensor. Journal of Materials Science: Materials in Electronics, 2020, 31, 8230-8239.	1.1	30

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37	High Performance CO Gas Sensor Based on ZnO Nanoparticles. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 4063-4071.	1.9	54
38	High performance Gd-doped $\text{Fe}_2\text{O}_3$ based acetone sensor. Materials Science in Semiconductor Processing, 2020, 116, 105154.	1.9	22
39	Pb doped ZnO nanoparticles for the sorption of Reactive Black 5 textile azo dye. Water Science and Technology, 2020, 82, 2576-2591.	1.2	5
40	Effect of metal oxide nanoparticles XO (X=Ni, Cu, Mn) on the physical properties of hybrid organic/inorganic nanocomposites. Journal of Physics and Chemistry of Solids, 2019, 127, 1-10.	1.9	9
41	Electrical and structural investigations on carbon-silica nanocomposites synthesized by sol-gel route. Materials Research Express, 2019, 6, 115607.	0.8	3
42	Surface morphology, microstructure and electrical properties of Ca-doped ZnO thin films. Journal of Materials Science: Materials in Electronics, 2019, 30, 16606-16612.	1.1	31
43	Synthesis of nano-alumina and their effect on structure, mechanical and thermal properties of geopolymer. Journal of Asian Ceramic Societies, 2019, 7, 524-535.	1.0	38
44	High Performance VOCs Sensor Based on $\text{Fe}_2\text{O}_3/\text{Al-ZnO}$ Nanocomposites. Lecture Notes in Electrical Engineering, 2019, , 25-30.	0.3	0
45	Study of $\text{CuSbS}_2$ thin films nanofibers prepared by spin coating technique using ultra pure water as a solvent. Materials Research Express, 2019, 6, 086450.	0.8	5
46	The effects of the applied current and the measurement temperature on the negative differential resistance behaviour of carbonized xerogel. Chemical Physics, 2019, 524, 85-91.	0.9	2
47	Elaboration of porous carbon/nickel nanocomposites for selective gas storage. Solid State Sciences, 2019, 93, 37-43.	1.5	8
48	Removal of Lead (II) Ion from Aqueous Solution Using Ga-Doped ZnO and Ca-Doped ZnO Nanopowder. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2019, 74, 573-580.	0.7	10
49	Development of an impedimetric non enzymatic sensor based on ZnO and Cu doped ZnO nanoparticles for the detection of glucose. Journal of Alloys and Compounds, 2019, 786, 960-968.	2.8	73
50	Microstructure and electrical properties of silica- $\text{Zn}_2\text{SiO}_4$ -Mn glass-ceramics as composite for optoelectronic devices. Results in Physics, 2019, 12, 2141-2145.	2.0	17
51	Study of defects in Li-doped ZnO thin films. Materials Science in Semiconductor Processing, 2019, 89, 149-153.	1.9	44
52	High performance acetone sensor based on $\text{Fe}_2\text{O}_3/\text{Al-ZnO}$ nanocomposites. Nanotechnology, 2019, 30, 055502.	1.3	19
53	Synthesis and Characterization of Porous Carbon/Nickel Oxide Nanocomposites for Gas Storage and Negatronic Devices. Journal of Inorganic and Organometallic Polymers and Materials, 2019, 29, 192-202.	1.9	5
54	Substrate Temperature Effects on Optical and Structural Properties of ZnO:Al Films Deposited from Nanopowder Target Materials. Journal of Nanoelectronics and Optoelectronics, 2019, 14, 916-922.	0.1	0

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55	The optoelectronic properties and role of Cu concentration on the structural and electrical properties of Cu doped ZnO nanoparticles. <i>Physica B: Condensed Matter</i> , 2018, 537, 167-175.	1.3	130
56	Graphene Oxide/Poly(3-hexylthiophene) Nanocomposite Thin-Film Phototransistor for Logic Circuit Applications. <i>Journal of Electronic Materials</i> , 2018, 47, 2461-2467.	1.0	14
57	Photoluminescence and cathodoluminescence of Mn doped zinc silicate nanophosphors for green and yellow field emissions displays. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	50
58	Effect of Impedance Relaxation in Conductance Mechanisms in TiO <sub>2</sub> /ITO/ZnO:Al/p-Si Heterostructure. <i>Journal of Electronic Materials</i> , 2018, 47, 3018-3025.	1.0	1
59	Nanostructured Nickel on Porous Carbon-Silica Matrix as an Efficient Electrocatalytic Material for a Non-Enzymatic Glucose Sensor. <i>Chemosensors</i> , 2018, 6, 54.	1.8	16
60	Origin of dc and ac electric transport phenomena in carbon/manganese oxide nanocomposite. <i>Solid State Sciences</i> , 2018, 85, 38-47.	1.5	11
61	Elaboration and characterization of glass-ceramic enriched by heavily manganese doped zinc silicate nanoparticles for optoelectronic applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 20493-20499.	1.1	4
62	Towards an optical switching of memory effect in Au/TiO <sub>2</sub> /ITO/ZnO:Al/p-Si heterostructure based on nanoparticles. <i>Applied Nanoscience (Switzerland)</i> , 2018, 8, 2001-2007.	1.6	11
63	Effect of manganese content on the yellow luminescence properties of zinc silicate nanoparticles enriched silica matrix. <i>Journal of Luminescence</i> , 2018, 203, 336-340.	1.5	13
64	Study of methane and carbon dioxide adsorption capacity by synthetic nanoporous carbon based on pyrogallol-formaldehyde. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 8905-8913.	3.8	17
65	CO sensing characteristics of In-doped ZnO semiconductor nanoparticles. <i>Journal of Science: Advanced Materials and Devices</i> , 2017, 2, 34-40.	1.5	37
66	Mn doped zinc silicate nanophosphor with bifunctionality of green-yellow emission and magnetic properties. <i>Ceramics International</i> , 2017, 43, 6585-6591.	2.3	77
67	Structural and optical properties of Tb <sup>3+</sup> doped Y <sub>2</sub> O <sub>3</sub> nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 9066-9071.	1.1	3
68	Luminescence properties of calcium doped zinc oxide nanoparticles. <i>Journal of Luminescence</i> , 2017, 186, 98-102.	1.5	47
69	Influence of the nickel oxide nanoparticles content on the electrical properties of carbon/nickel nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 11284-11291.	1.1	11
70	Investigation on microstructural and optical properties of CuSbS <sub>2</sub> nanoparticles synthesized by hydrothermal technique. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 11631-11635.	1.1	13
71	Characterization and Modeling of Nano-organic Thin Film Phototransistors Based on 6,13-(Triisopropylsilylethynyl)-Pentacene: Photovoltaic Effect. <i>Journal of Electronic Materials</i> , 2017, 46, 2221-2231.	1.0	6
72	Study of TiO <sub>2</sub> /ITO/ZnO:Al/p-Si photo-sensitive structure based on nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 14010-14018.	1.1	4

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73	Doped-ZnO nanoparticles for selective gas sensors. Journal of Materials Science: Materials in Electronics, 2017, 28, 9667-9674.	1.1	18
74	Numerical studies of surface potential, mobility and Seebeck coefficient of organic thin film transistor based on 2,3 benzanthracene: Light effect. Synthetic Metals, 2017, 233, 119-126.	2.1	5
75	Carbon-silica nanocomposite with negative differential resistance for high voltage negatronic devices: Effect of silica concentration. Journal of Physics and Chemistry of Solids, 2017, 110, 290-296.	1.9	11
76	Controlled solvothermal synthesis and properties of Cu <sub>2</sub> SnS <sub>3</sub> nanoparticles. Journal of Materials Science: Materials in Electronics, 2017, 28, 3090-3097.	1.1	3
77	Enhanced performance of novel calcium/aluminum co-doped zinc oxide for CO <sub>2</sub> sensors. Sensors and Actuators B: Chemical, 2017, 239, 36-44.	4.0	88
78	Annealing and Ni content effects on EPR and structural properties of Zn <sub>1-x</sub> Ni <sub>x</sub> O aerogel nanoparticles. Materials Science-Poland, 2017, 35, 454-462.	0.4	4
79	THREE-DIMENSIONAL ANALYSIS OF FERRITE-LOADED WAVEGUIDE DISCONTINUITY BY TRANSVERSE OPERATOR METHOD COMBINED WITH MODE-MATCHING METHOD. Progress in Electromagnetics Research M, 2017, 53, 1-8.	0.5	0
80	Adsorption and photocatalytic degradation of malachite green by vanadium doped zinc oxide nanoparticles. Water Science and Technology, 2016, 73, 881-889.	1.2	24
81	Effect of Ca-doping on microstructure and photocatalytic activity of ZnO nanoparticles synthesized by sol gel method. Journal of Materials Science: Materials in Electronics, 2016, 27, 7939-7946.	1.1	35
82	Synthesis and physico-chemical studies of vanadium doped zinc oxide nanoparticles and its photocatalysis. Journal of Materials Science: Materials in Electronics, 2016, 27, 8146-8153.	1.1	16
83	Controlling of DOS of TFTs based 6,13-bis(triisopropylsilylethynyl) pentacene by solar light illumination. Synthetic Metals, 2016, 220, 591-598.	2.1	7
84	Study of carbon/copper nanocomposite synthesized by sol-gel method. Journal of Materials Science: Materials in Electronics, 2016, 27, 11682-11690.	1.1	11
85	Preparation and characterization of Ca-doped zinc oxide nanoparticles for heavy metal removal from aqueous solution. MRS Advances, 2016, 1, 3607-3612.	0.5	17
86	Structural, morphological and optical characterizations of ZnO:Al thin films grown on silicon substrates by pulsed laser deposition. European Physical Journal Plus, 2016, 131, 1.	1.2	8
87	The effect of titanium dioxide nanoparticles on neuroinflammation response in rat brain. Environmental Science and Pollution Research, 2016, 23, 20205-20213.	2.7	42
88	Superparamagnetic iron oxide nanocargoes for combined cancer thermotherapy and MRI applications. Physical Chemistry Chemical Physics, 2016, 18, 21331-21339.	1.3	60
89	Production of activated carbon pellets from olive stones for CO <sub>2</sub> adsorption. International Journal of Environmental Engineering, 2016, 8, 110.	0.1	0
90	In-situ sol-gel synthesis of luminescent Mn <sup>2+</sup> -doped zinc silicate nanophosphor. Journal of Materials Science: Materials in Electronics, 2016, 27, 9476-9482.	1.1	11

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91	Fabrication and Electrical Characterization of the Si/ZnO/ZnO:Al Structure Deposited by RF-Magnetron Sputtering. Journal of Electronic Materials, 2016, 45, 4859-4864.	1.0	2
92	Effect of annealing temperature on the luminescence properties of Zn <sub>2</sub> SiO <sub>4</sub> :V nanocomposite. Journal of Luminescence, 2016, 170, 288-292.	1.5	11
93	Sputtered ZnS thin film from nanoparticles synthesized by hydrothermal route. Optik, 2016, 127, 3688-3692.	1.4	22
94	Microglial cells (BV-2) internalize titanium dioxide (TiO <sub>2</sub> ) nanoparticles: toxicity and cellular responses. Environmental Science and Pollution Research, 2016, 23, 9690-9699.	2.7	31
95	Gas sensing properties of Al-doped ZnO for UV-activated CO detection. Journal Physics D: Applied Physics, 2016, 49, 135502.	1.3	54
96	Influence of annealing temperature on the microstructure and dielectric properties of ZnO nanoparticles. Ceramics International, 2016, 42, 8940-8948.	2.3	99
97	Photoresponse and photocapacitor properties of Au/AZO/p-Si/Al diode with AZO film prepared by pulsed laser deposition (PLD) method. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	37
98	Effect of iron oxide nanoparticles on the performance of polyamide membrane for ground water purification. Materials Science in Semiconductor Processing, 2016, 42, 107-110.	1.9	28
99	Ga-doped ZnO for adsorption of heavy metals from aqueous solution. Materials Science in Semiconductor Processing, 2016, 42, 102-106.	1.9	62
100	Role of annealing temperature on electrical and optical properties of ZnO nanoparticles for renewable energy applications. Journal of Materials Science: Materials in Electronics, 2016, 27, 226-231.	1.1	11
101	Effect of the both texture and electrical properties of activated carbon on the CO <sub>2</sub> adsorption capacity. Materials Research Bulletin, 2016, 73, 130-139.	2.7	12
102	Fabrication of polyamide membrane reached by MgTiO <sub>3</sub> nanoparticles for ground water purification. Desalination and Water Treatment, 2016, 57, 8639-8648.	1.0	7
103	Synthesis and characterization of polyamide thin-film nanocomposite membrane reached by aluminum doped ZnO nanoparticles. Materials Science in Semiconductor Processing, 2016, 42, 111-114.	1.9	31
104	Temperature Dependent Electrical Transport in n-ZO/PS/p-Si and n-ZO/PS/n-Si Heterostructures Prepared by rf-Magnetron Sputtering. Journal of Nanoelectronics and Optoelectronics, 2016, 11, 669-676.	0.1	1
105	Production of activated carbon pellets from olive stones for CO <sub>2</sub> adsorption. International Journal of Environmental Engineering, 2016, 8, 110.	0.1	0
106	Electrical Investigations, Dielectric and Sensing Properties of Nanoporous Carbon. Sensor Letters, 2016, 14, 191-197.	0.4	2
107	Structural and electrical characterizations of ZnO:In/PS/Si heterojunction deposited by rf-magnetron sputtering. Journal of Electroceramics, 2015, 35, 141-147.	0.8	6
108	Partial carbonized nanoporous resin for uptake of lead from aqueous solution. Water Science and Technology, 2015, 72, 974-982.	1.2	2

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109	Structural and Optical Characterization of Ni and Al Co-Doped ZnO Nanopowders Synthesized via the Sol-Gel Process. KONA Powder and Particle Journal, 2015, 32, 154-162.	0.9	11
110	Photoconversion from yellow-to-green in vanadium doped zinc silicate nanophosphor material. Superlattices and Microstructures, 2015, 82, 551-558.	1.4	11
111	ZnO:Ca nanopowders with enhanced CO <sub>2</sub> sensing properties. Journal Physics D: Applied Physics, 2015, 48, 255503.	1.3	68
112	Studies of photosensitivity and photo-induced negative differential resistance (NDR) of TIPS-pentacene-poly(3-hexyl)thiophene blend organic thin film transistor. Synthetic Metals, 2015, 207, 1-12.	2.1	8
113	Electrical Study of Si/PS/ZnO:In Solar Cell Structure. Energy Procedia, 2015, 84, 214-220.	1.8	9
114	Characterisation of the GaAs-based intermediate band solar cell with multi-stacked InAs/InGaAs quantum dots. International Journal of Nanotechnology, 2015, 12, 584.	0.1	7
115	Study of CuS Thin Films for Solar Cell Applications Sputtered from Nanoparticles Synthesised by Hydrothermal Route. Energy Procedia, 2015, 84, 197-203.	1.8	46
116	CO sensing properties of Ga-doped ZnO prepared by sol-gel route. Journal of Alloys and Compounds, 2015, 634, 187-192.	2.8	62
117	Synthesis of Co-doped ZnO nanoparticles by sol-gel method and its characterization. Journal of Materials Science: Materials in Electronics, 2015, 26, 2555-2562.	1.1	54
118	Sol-gel synthesis, structural, optical and magnetic properties of Co-doped ZnO nanoparticles. Journal of Materials Science: Materials in Electronics, 2015, 26, 2614-2621.	1.1	38
119	Subacute toxicity of titanium dioxide (TiO <sub>2</sub> ) nanoparticles in male rats: emotional behavior and pathophysiological examination. Environmental Science and Pollution Research, 2015, 22, 8728-8737.	2.7	68
120	Synthesis by sol-gel process, structural and luminescence of V and Mn doped $\lambda$ -Zn <sub>2</sub> SiO <sub>4</sub> . Journal of Materials Science: Materials in Electronics, 2015, 26, 3550-3557.	1.1	8
121	Effect of pyrolysis temperature on the properties of carbon/nickel nanocomposites prepared by sol-gel method. Applied Surface Science, 2015, 337, 158-165.	3.1	23
122	Effect of drying temperature on the structural and optical characteristics of Cu <sub>2</sub> SnS <sub>3</sub> thin films synthesized by simple spin coating technique. Journal of Materials Science: Materials in Electronics, 2015, 26, 8588-8594.	1.1	7
123	Effect of crystallographic phase on green and yellow emissions in Mn-doped zinc silicate nanoparticles incorporated in silica host matrix. Superlattices and Microstructures, 2015, 85, 180-184.	1.4	13
124	Electrochemical properties of a novel Ni-doped nanoporous carbon. Materials Letters, 2015, 160, 452-455.	1.3	21
125	Silicon carbide/carbon nanocomposite for negatronic applications. Journal of Materials Science: Materials in Electronics, 2015, 26, 7397-7406.	1.1	2
126	Influence of aluminium concentration in Zn <sub>0.9</sub> V <sub>0.1</sub> O nanoparticles on structural and optical properties. Materials Science-Poland, 2015, 33, 198-204.	0.4	2



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127	Preparation and characterization of nanoporous resin for heavy metal removal from aqueous solution. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2015, 64, 316-325.	0.6	5
128	Fabrication and electrical properties of Si/PS/ZnO:In solar cell deposited by rf-magnetron sputtering based on nanopowder target material. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 8272-8276.	1.1	9
129	Preparation, structural and optical investigations of ITO nanopowder and ITO/epoxy nanocomposites. <i>Materials Science in Semiconductor Processing</i> , 2015, 39, 536-543.	1.9	21
130	Influence of the raw material and nickel oxide on the CH <sub>4</sub> capture capacity behaviors of microporous carbon. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 13690-13701.	3.8	20
131	Nanoporous activated carbon for fast uptake of heavy metals from aqueous solution. <i>Desalination and Water Treatment</i> , 2015, 55, 935-944.	1.0	6
132	Cu <sub>2</sub> SnS <sub>3</sub> thin films deposited by spin coating route: a promise candidate for low cost, safe and flexible solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 6032-6039.	1.1	15
133	Sol-gel synthesis and room temperature ferromagnetism in Mn doped ZnO nanocrystals. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 5930-5936.	1.1	13
134	Ammonia sensing properties of V-doped ZnO:Ca nanopowders prepared by sol-gel synthesis. <i>Journal of Solid State Chemistry</i> , 2015, 226, 192-200.	1.4	19
135	Excellent CO gas sensor based on Ga-doped ZnO nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 6020-6024.	1.1	20
136	Modifications in electrical properties of ZnO:In/PS/Si (100) heterojunction by ZnO intermediate layer. <i>Canadian Journal of Physics</i> , 2015, 93, 1240-1245.	0.4	5
137	Anemia and genotoxicity induced by sub-chronic intragastric treatment of rats with titanium dioxide nanoparticles. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2015, 794, 25-31.	0.9	37
138	CO sensing properties under UV radiation of Ga-doped ZnO nanopowders. <i>Applied Surface Science</i> , 2015, 355, 1321-1326.	3.1	48
139	Structural, optical and electrical properties of Cu <sub>2</sub> SnS <sub>3</sub> nanoparticles synthesized by simple solvothermal technique. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 1119-1124.	1.1	12
140	Modeling of current-voltage and capacitance-voltage characteristics of pentacene and sol-gel derived SiO <sub>2</sub> gate dielectric layer based on thin-film transistor. <i>Synthetic Metals</i> , 2015, 199, 159-168.	2.1	6
141	Effects of nanoparticle zinc oxide on emotional behavior and trace elements homeostasis in rat brain. <i>Toxicology and Industrial Health</i> , 2015, 31, 1202-1209.	0.6	47
142	Preparation and characterization of doped and undoped nanoporous carbon for heavy metal removal from aqueous solution. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2015, 12, 25-29.	0.8	2
143	Zinc Sulfide Thin Films Deposited by RF Reactive Sputtering from Nanoparticles Synthesized by Hydrothermal Route. <i>Journal of Nanoengineering and Nanomanufacturing</i> , 2015, 5, 270-275.	0.3	1
144	Synthesis and characterization of polyamide thin-film nanocomposite membrane containing ZnO nanoparticles. <i>Membrane Water Treatment</i> , 2015, 6, 309-321.	0.5	1

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145	Optical, electrical and sensing properties of ZnO nanoparticles synthesized by sol-gel technique. , 2014, , .		2
146	Structural, EPR and optical properties of Zn <sub>0.75</sub> TM <sub>0.25</sub> O (TM = Mn, Fe, Co, Ni) aerogel nanoparticles. EPJ Applied Physics, 2014, 67, 10401.	0.3	5
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