

Muhammad Maqbool

List of Publications by Year in descending order

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148
papers

4,939
citations

101384

36
h-index

118652

62
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156
all docs

156
docs citations

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times ranked

3650
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Graphite Doped TiO ₂ Nanotubes, and Their Structural, Electronic, and Photocatalytic Characterization. <i>Electronic Materials Letters</i> , 2022, 18, 69-78.	1.0	3
2	Efficient dye degradation, antimicrobial behavior and molecular docking analysis of gold (Au) and cellulose nanocrystals (CNC)-doped strontium oxide nanocomposites. <i>Journal of Nanostructure in Chemistry</i> , 2022, 12, 933-950.	5.3	12
3	A state of the art overview of carbon-based composites applications for detecting and eliminating pharmaceuticals containing wastewater. <i>Chemosphere</i> , 2022, 288, 132535.	4.2	21
4	Bactericidal action and molecular docking studies of catalytic Cu-doped NiO composited with cellulose nanocrystals. <i>International Journal of Biological Macromolecules</i> , 2022, 195, 440-448.	3.6	13
5	Synthesis of nanomaterials using various top-down and bottom-up approaches, influencing factors, advantages, and disadvantages: A review. <i>Advances in Colloid and Interface Science</i> , 2022, 300, 102597.	7.0	301
6	Synthesis and catalytic properties of calcium oxide obtained from organic ash over a titanium nanocatalyst for biodiesel production from dairy scum. <i>Chemosphere</i> , 2022, 290, 133296.	4.2	25
7	Highly Active Biphasic Anatase-Rutile Ni-Pd/TNPs Nanocatalyst for the Reforming and Cracking Reactions of Microplastic Waste Dissolved in Phenol. <i>ACS Omega</i> , 2022, 7, 3324-3340.	1.6	12
8	Toward efficient dye degradation and the bactericidal behavior of Mo-doped La ₂ O ₃ nanostructures. <i>Nanoscale Advances</i> , 2022, 4, 926-942.	2.2	27
9	Functionality and design of Co-MOFs: unique opportunities in electrocatalysts for oxygen reduction reaction. <i>Catalysis Science and Technology</i> , 2022, 12, 1723-1740.	2.1	9
10	In-Vitro Catalytic and Antibacterial Potential of Green Synthesized CuO Nanoparticles against Prevalent Multiple Drug Resistant Bovine Mastitogen <i>Staphylococcus aureus</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 2335.	1.8	15
11	Ion Beam Effect on the Structural and Optical Properties of AlN:Er. <i>Journal of Composites Science</i> , 2022, 6, 110.	1.4	0
12	Fabrication and Ions Irradiation Study of AlN:Gd Thin Films. <i>ECS Journal of Solid State Science and Technology</i> , 2022, 11, 043002.	0.9	1
13	Recent advances in carbonaceous sustainable nanomaterials for wastewater treatments. <i>Sustainable Materials and Technologies</i> , 2022, 32, e00406.	1.7	27
14	Polyvinylpyrrolidone and chitosan-doped lanthanum oxide nanostructures used as anti-bacterial agents and nano-catalyst. <i>Applied Nanoscience (Switzerland)</i> , 2022, 12, 2227-2239.	1.6	14
15	Experimental and Computational Study of Zr and CNC-Doped MnO ₂ Nanorods for Photocatalytic and Antibacterial Activity. <i>ACS Omega</i> , 2022, 7, 14045-14056.	1.6	14
16	Highly Efficient Industrial Dye Degradation, Bactericidal Properties, and <i>In Silico</i> Molecular Docking Analysis of Ag/Cellulose-Doped CuO Nanostructures. <i>ACS Omega</i> , 2022, 7, 17043-17054.	1.6	10
17	Synthesis and characterization of pristine and strontium-doped zinc oxide nanoparticles for methyl green photo-degradation application. <i>Nanotechnology</i> , 2022, 33, 295702.	1.3	7
18	New insight into the kinetic study on the different loadings of the CuO/CNT catalyst and its optimization for <i>p</i> -chloroaniline photodegradation. <i>Nanoscale Advances</i> , 2022, 4, 2836-2843.	2.2	1

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19	Carbon Nanocomposite-Based SCs as Wearable Energy Storage. <i>Advances in Material Research and Technology</i> , 2022, , 451-483.	0.3	2
20	Green Synthesis of Dimethyl Carbonate from CO ₂ and Methanol: New Strategies and Industrial Perspective. <i>Advanced Sustainable Systems</i> , 2022, 6, .	2.7	21
21	Six band terahertz absorption in metamaterial for designing optical filters, and sensors. <i>Optical and Quantum Electronics</i> , 2022, 54, .	1.5	5
22	Photocatalysis vs adsorption by metal oxide nanoparticles. <i>Journal of Materials Science and Technology</i> , 2022, 131, 122-166.	5.6	68
23	Response of structural and optical properties against proton irradiation in AlN:Tm thin films. <i>Radiation Physics and Chemistry</i> , 2021, 180, 109234.	1.4	6
24	Synthesis, characterization and electrochemical analysis of TiO ₂ nanostructures for sensing l-Cysteine and hydrogen peroxide. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021, 128, 114541.	1.3	14
25	Hydrothermal synthesis of cerium-doped Co ₃ O ₄ nanoflakes as electrode for supercapacitor application. <i>International Journal of Energy Research</i> , 2021, 45, 1999-2010.	2.2	35
26	Photocatalytic, Bactericidal and Molecular Docking Analysis of Annealed Tin Oxide Nanostructures. <i>Nanoscale Research Letters</i> , 2021, 16, 33.	3.1	8
27	Characterization of ⁸³ Bi ²⁰⁹ , ⁷⁴ W ¹⁸⁴ , ⁴⁸ Cd ¹¹² , ³⁰ Zn ⁶⁵ , ²⁸ Ni ⁵⁹ and ²⁶ Fe ⁵⁶ using Modified Klein-Nishina formula, for radiation shielding and dosimetry. <i>Radiation Physics and Chemistry</i> , 2021, 179, 109264.	1.4	9
28	Antibacterial Composite Materials Based on the Combination of Polyhydroxyalkanoates With Selenium and Strontium Co-substituted Hydroxyapatite for Bone Regeneration. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 647007.	2.0	12
29	Review on the hazardous applications and photodegradation mechanisms of chlorophenols over different photocatalysts. <i>Environmental Research</i> , 2021, 195, 110742.	3.7	111
30	In situ tailoring the morphology of In(OH) ₃ nanostructures via surfactants during anodization and their transformation into In ₂ O ₃ nanoparticles. <i>Nanotechnology</i> , 2021, 32, 315602.	1.3	2
31	Impact of Bi Doping into Boron Nitride Nanosheets on Electronic and Optical Properties Using Theoretical Calculations and Experiments. <i>Nanoscale Research Letters</i> , 2021, 16, 82.	3.1	11
32	Development of Multi-concentration Cu:Ag Bimetallic Nanoparticles as a Promising Bactericidal for Antibiotic-Resistant Bacteria as Evaluated with Molecular Docking Study. <i>Nanoscale Research Letters</i> , 2021, 16, 91.	3.1	30
33	Doping of Mg on ZnO Nanorods Demonstrated Improved Photocatalytic Degradation and Antimicrobial Potential with Molecular Docking Analysis. <i>Nanoscale Research Letters</i> , 2021, 16, 78.	3.1	36
34	Photocatalytic degradation of dyes using semiconductor photocatalysts to clean industrial water pollution. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 97, 111-128.	2.9	515
35	Structural, electrical and optical characterizations of yttrium doped aluminum nitride thin films before and after ions irradiation. <i>Optical Materials</i> , 2021, 116, 111097.	1.7	3
36	Advances in Liquid-Phase and Intercalation Exfoliations of Transition Metal Dichalcogenides to Produce 2D Framework. <i>Advanced Materials Interfaces</i> , 2021, 8, 2002205.	1.9	43

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37	Elimination of dyes by catalytic reduction in the absence of light: A review. <i>Journal of Materials Science</i> , 2021, 56, 15572-15608.	1.7	47
38	Nitrogen and Carbon Nitride-Doped TiO ₂ for Multiple Catalysis and Its Antimicrobial Activity. <i>Nanoscale Research Letters</i> , 2021, 16, 119.	3.1	24
39	Increase in linear attenuation coefficient by changing crystal structure of materials for radiation shielding and biomedical devices safety. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 622, 126646.	2.3	20
40	Dye degradation, antibacterial and in-silico analysis of Mg/cellulose-doped ZnO nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2021, 185, 153-164.	3.6	30
41	Biogenic Synthesis, Characterization and Antibacterial Potential Evaluation of Copper Oxide Nanoparticles Against <i>Escherichia coli</i> . <i>Nanoscale Research Letters</i> , 2021, 16, 148.	3.1	26
42	Capacitive and Conductometric Type Dual-Mode Relative Humidity Sensor Based on 5,10,15,20-tetra Phenyl Porphyrinato Nickel (II) (TPPNi). <i>Polymers</i> , 2021, 13, 3336.	2.0	9
43	Synthesis and Fabrication of Co _{1-x} Ni _x Cr ₂ O ₄ Chromate Nanoparticles and the Effect of Ni Concentration on Their Bandgap, Structure, and Optical Properties. <i>Journal of Composites Science</i> , 2021, 5, 247.	1.4	7
44	SAR-CoV-2 infection, emerging new variants and the role of activation induced cytidine deaminase (AID) in lasting immunity. <i>Saudi Pharmaceutical Journal</i> , 2021, 29, 1181-1184.	1.2	6
45	h-BN nanosheets doped with transition metals for environmental remediation; a DFT approach and molecular docking analysis. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 272, 115365.	1.7	42
46	A review of photocatalytic characterization, and environmental cleaning, of metal oxide nanostructured materials. <i>Sustainable Materials and Technologies</i> , 2021, 30, e00343.	1.7	30
47	Liquid-phase exfoliated MoS ₂ nanosheets doped with p-type transition metals: a comparative analysis of photocatalytic and antimicrobial potential combined with density functional theory. <i>Dalton Transactions</i> , 2021, 50, 6598-6619.	1.6	46
48	Voltage-Switchable Biosensor with Gold Nanoparticles on TiO ₂ Nanotubes Decorated with CdS Quantum Dots for the Detection of Cholesterol and H ₂ O ₂ . <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 3653-3668.	4.0	52
49	Application of two-dimensional materials in perovskite solar cells: recent progress, challenges, and prospective solutions. <i>Journal of Materials Chemistry C</i> , 2021, 9, 14065-14092.	2.7	24
50	Cytidine deamination-induced perpetual immunity to SAR-CoV-2 infection is a potential new therapeutic target. <i>International Journal of Medical Sciences</i> , 2021, 18, 3788-3793.	1.1	3
51	Recent advances in structural tailoring of BiOX-based 2D composites for solar energy harvesting. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106569.	3.3	31
52	MoS ₂ /cellulose-doped ZnO nanorods for catalytic, antibacterial and molecular docking studies. <i>Nanoscale Advances</i> , 2021, 4, 211-225.	2.2	12
53	Internalized Nanoceria Modify the Radiation-Sensitivity Profile of MDA MB231 Breast Carcinoma Cells. <i>Biology</i> , 2021, 10, 1148.	1.3	1
54	Enhanced industrial dye degradation using Co doped in chemically exfoliated MoS ₂ nanosheets. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 1535-1544.	1.6	90

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55	Surface Plasmonic-Assisted Photocatalysis and Optoelectronic Devices with Noble Metal Nanocrystals: Design, Synthesis, and Applications. <i>Advanced Functional Materials</i> , 2020, 30, 1906744.	7.8	186
56	Enhancing through-plane thermal conductivity of fluoropolymer composite by developing in situ nano-urethane linkage at graphene-graphene interface. <i>Nano Research</i> , 2020, 13, 2741-2748.	5.8	18
57	Green Synthesized Phytochemically (Zingiber officinale and Allium sativum) Reduced Nickel Oxide Nanoparticles Confirmed Bactericidal and Catalytic Potential. <i>Nanoscale Research Letters</i> , 2020, 15, 50.	3.1	146
58	Hydrothermal Synthesis of Silver Decorated Reduced Graphene Oxide (rGO) Nanoflakes with Effective Photocatalytic Activity for Wastewater Treatment. <i>Nanoscale Research Letters</i> , 2020, 15, 95.	3.1	118
59	Theoretical studies of CsSnX ₃ (X = Cl, Br and I) for energy storage and hybrid solar cell applications. <i>Materials Today Communications</i> , 2020, 25, 101517.	0.9	11
60	Tuning the flexibility and thermal storage capacity of solid-solid phase change materials towards wearable applications. <i>Journal of Materials Chemistry A</i> , 2020, 8, 20133-20140.	5.2	119
61	Electronic cross-sections and Compton attenuation and transfer coefficients of ⁸² Pb, ²⁹ Cu, ²⁷ Co, ²⁰ Ca and ¹³ Al for applications in radiation shielding and dose. <i>Physica Scripta</i> , 2020, 95, 085006.	1.2	9
62	TiO ₂ nanotube array-modified electrodes for L-cysteine biosensing: experimental and density-functional theory study. <i>Nanotechnology</i> , 2020, 31, 505501.	1.3	9
63	Field emission properties of TiO ₂ nanotubes fabricated on Ti wire. <i>Materials Chemistry and Physics</i> , 2019, 233, 21-26.	2.0	11
64	Intriguing electronic and optical properties of M ₂ CX ₂ (M = Mo, W; X = O, F) MXenes and their van der Waals heterostructures. <i>Chemical Physics Letters</i> , 2019, 731, 136614.	1.2	13
65	Polymer Microfibers Incorporated with Silver Nanoparticles: a New Platform for Optical Sensing. <i>Nanoscale Research Letters</i> , 2019, 14, 270.	3.1	9
66	Tri-layered functionally graded membrane for potential application in periodontal regeneration. <i>Materials Science and Engineering C</i> , 2019, 103, 109812.	3.8	27
67	Morphological evolution of ZnO nanostructures with hydrothermal oxidation time and their electrochemical glucose sensing properties. <i>Applied Nanoscience (Switzerland)</i> , 2019, 9, 2059-2068.	1.6	4
68	Size-dependent inhibition of bacterial growth by chemically engineered spherical ZnO nanoparticles. <i>Journal of Biological Physics</i> , 2019, 45, 147-159.	0.7	51
69	Chitosan/hydroxyapatite composite bone tissue engineering scaffolds with dual and decoupled therapeutic ion delivery: copper and strontium. <i>Journal of Materials Chemistry B</i> , 2019, 7, 6109-6124.	2.9	110
70	Zn-Ni Doped Nanoparticles Served as Promising Nano-Photocatalyst (Industrial Dye Degradation). <i>Nanoscience and Nanotechnology Letters</i> , 2019, 11, 1060-1069.	0.4	8
71	Toxicity of PEG-Coated CoFe ₂ O ₄ Nanoparticles with Treatment Effect of Curcumin. <i>Nanoscale Research Letters</i> , 2018, 13, 52.	3.1	16
72	Intriguing electronic structures and optical properties of two-dimensional van der Waals heterostructures of Zr ₂ CT ₂ (T = O, F) with MoSe ₂ and WSe ₂ . <i>Journal of Materials Chemistry C</i> , 2018, 6, 2830-2839.	2.7	73

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73	Kleinâ€™Nishina electronic cross-section, Compton cross sections, and buildup factor of wax for radiation shielding and protection. Journal of Radiological Protection, 2018, 38, 372-381.	0.6	11
74	Structural, Thermal and Luminescence Properties of AlN:Tm Thin Films Deposited on Silicon Substrate and Optical Fiber. Semiconductors, 2018, 52, 2039-2045.	0.2	2
75	Electrophoretic deposition of lawsone loaded bioactive glass (BG)/chitosan composite on polyetheretherketone (PEEK)/BG layers as antibacterial and bioactive coating. Journal of Biomedical Materials Research - Part A, 2018, 106, 3111-3122.	2.1	48
76	Electronic structure, optical and photocatalytic performance of SiCâ€™MX₂ (M = Mo, W) Tj ETQq0 0 0 rgBT /Overlock 10 Tj 24168-24175.	1.3	85
77	Magnesium Oxide in Nanodimension: Model for MRI and Multimodal Therapy. Journal of Nanomaterials, 2018, 2018, 1-12.	1.5	10
78	Structural, electronic and optical properties of CsPbX3 (X=Cl, Br, I) for energy storage and hybrid solar cell applications. Journal of Alloys and Compounds, 2017, 705, 828-839.	2.8	203
79	Tunable High-T_C ferromagnetism in Sn⁴⁺-doped (InFe_{0.04})₂O₃ nanoparticles: a vital role of electron doping. Materials Technology, 2017, 32, 327-333.	1.5	6
80	Interaction of Gamma Rays and X-Rays with Matter. Biological and Medical Physics Series, 2017, , 43-61.	0.3	3
81	Electronic Band Structures of the Highly Desirable IIIâ€™V Semiconductors: TB-mBJ DFT Studies. Journal of Electronic Materials, 2016, 45, 3314-3323.	1.0	54
82	Controlled Structure of Electrochemically Deposited Pd Nanowires in Ion-Track Templates. Nanoscale Research Letters, 2015, 10, 481.	3.1	2
83	Energy level splitting and luminescence enhancement in AlN:Er by an external magnetic field. Optical Materials, 2015, 46, 601-604.	1.7	13
84	Structural Analysis and Infrared Emission from Ti+3 Doped AlN Deposited on Si(100) and Si(111) Substrates and Optical Fibers. Journal of Low Temperature Physics, 2015, 179, 365-374.	0.6	3
85	Thermoelectric properties of metallic antiperovskites AXD3 (A=Ge, Sn, Pb, Al, Zn, Ga; X=N, C; D=Ca, Fe,) Tj ETQq1 1,0,784314 rgBT /O 1.0 19	1.0	19
86	Luminescence Enhancement in Amorphous AlN:W by Co-Doped Gd+3. IEEE Photonics Technology Letters, 2015, 27, 1519-1522.	1.3	4
87	DFT-mBJ Studies of the Band Structures of the II-VI Semiconductors. Materials Today: Proceedings, 2015, 2, 5122-5127.	0.9	17
88	Effect of Cellulose-Derived Structural Homogeneity of Precursor on the Synthesis and Morphology of Boron Carbide. Journal of Inorganic and Organometallic Polymers and Materials, 2015, 25, 995-999.	1.9	18
89	Fabrication and temperature dependent magnetic properties of Niâ€™Cuâ€™Co composite nanowires. Physica B: Condensed Matter, 2015, 475, 99-104.	1.3	10
90	Fabrication and temperature dependent magnetic properties of nickel nanowires embedded in alumina templates. Ceramics International, 2015, 41, 12081-12086.	2.3	21

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91	Effect of saccharides as carbon source on the synthesis and morphology of B ₄ C fine particles from carbothermal synthesis precursors. Materials Express, 2015, 5, 390-400.	0.2	9
92	Structural, optical, and electrical characteristics of AlN:Ho thin films irradiated with 700 keV protons. Applied Surface Science, 2015, 357, 179-183.	3.1	24
93	Structural and thermoelectric properties of pure and La, Y doped HoMnO ₃ for their use as alternative energy materials. Computer Physics Communications, 2015, 187, 1-7.	3.0	27
94	Elastic and mechanical properties of lanthanide monoxides. Journal of Alloys and Compounds, 2015, 618, 292-298.	2.8	32
95	Surface Roughness Characterization of ZnO: TiO ₂ -Organic Blended Solar Cells Layers by Atomic Force Microscopy and Fractal Analysis. International Journal of Nanoscience, 2014, 13, 1450020.	0.4	14
96	Thermoelectric properties of SbNCa ₃ and BiNCa ₃ for thermoelectric devices and alternative energy applications. Computer Physics Communications, 2014, 185, 1394-1398.	3.0	70
97	Hybrid organic solar cells using both ZnO and PCBM as electron acceptor materials. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2014, 189, 64-69.	1.7	45
98	Investigation of the optical properties of P, As and Sb incorporated AlGaX alloys using full potential linearized augmented plane wave method. Computer Physics Communications, 2014, 185, 2829-2833.	3.0	7
99	Ethylene glycol assisted low-temperature synthesis of boron carbide powder from borate citrate precursors. Journal of Asian Ceramic Societies, 2014, 2, 268-274.	1.0	23
100	Fabrication of cobalt-nickel binary nanowires in a highly ordered alumina template via AC electrodeposition. Nanoscale Research Letters, 2013, 8, 352.	3.1	44
101	Conversion of optically isotropic to anisotropic Cd _x Se _{1-x} (0 ≤ x ≤ 1) alloy with S concentration. Computational Materials Science, 2013, 77, 145-152.	1.4	48
102	Structural, electronic and optical properties of C _x Cd _{1-x} O and its conversion from semimetal to wide bandgap semiconductor. Computational Materials Science, 2012, 58, 71-76.	1.4	32
103	Effect of phase transition on the optoelectronic properties of Zn _{1-x} Mg _x S. Journal of Applied Physics, 2012, 112, .	1.1	45
104	Optoelectronic Response of GeZn ₂ O ₄ through the Modified Becke-Johnson Potential. Chinese Physics Letters, 2012, 29, 097102.	1.3	17
105	Cathodoluminescence from Amorphous and Nanocrystalline Nitride Thin Films Doped with Rare Earth and Transition Metals. , 2012, , .		1
106	Robust half-metallicity of AlCoN and AlNiN. International Journal of Quantum Chemistry, 2012, 112, 2668-2674.	1.0	9
107	Effect of size reduction on the electronic and ferromagnetic properties of the In ₂ O ₃ nanoparticles. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	13
108	Linear attenuation coefficient and buildup factor of MCP-96 alloy for dose accuracy, beam collimation, and radiation protection. Radiological Physics and Technology, 2012, 5, 229-236.	1.0	23

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109	Investigation of half metallicity in Fe doped CdSe and Co doped CdSe materials. Current Applied Physics, 2012, 12, 184-187.	1.1	27
110	Opto-electronic response of spinels MgAl ₂ O ₄ and MgGa ₂ O ₄ through modified Becke-Johnson exchange potential. Physica B: Condensed Matter, 2012, 407, 2588-2592.	1.3	57
111	An efficient method for effective connectivity of brain regions. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2012, 40A, 14-24.	0.2	2
112	Dose non-linearity of the dosimetry system and possible monitor unit errors on medical linear accelerators used in conventional and intensity-modulated radiation therapy. Nuclear Technology and Radiation Protection, 2012, 27, 368-373.	0.3	2
113	Structural and Optoelectronic Properties of Cubic CsPbF ₃ for Novel Applications. Chinese Physics Letters, 2011, 28, 117803.	1.3	45
114	<i>Ab initio</i> study of the bandgap engineering of Al _{1-x} Ga _x N for optoelectronic applications. Journal of Applied Physics, 2011, 109, .	1.1	167
115	Cr-Doped III-V Nitrides: Potential Candidates for Spintronics. Journal of Electronic Materials, 2011, 40, 1428-1436.	1.0	43
116	Regularization of voxelwise autoregressive model for analysis of functional magnetic resonance imaging data. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2011, 38A, 187-196.	0.2	3
117	Assessment of computerized treatment planning system accuracy in calculating wedge factors of physical wedged fields for 6MV photon beams. Physica Medica, 2011, 27, 135-143.	0.4	4
118	Theoretical studies of structural and magnetic properties of cubic perovskites PrCoO ₃ and NdCoO ₃ . Physica B: Condensed Matter, 2011, 406, 3800-3804.	1.3	48
119	Investigation of structural and optoelectronic properties of BaThO ₃ . Optical Materials, 2011, 33, 553-557.	1.7	124
120	Novel structure formation at the bottom surface of porous anodic alumina fabricated by single step anodization process. Micron, 2010, 41, 560-564.	1.1	23
121	Effect of Crystallographic Texture on Magnetic Characteristics of Cobalt Nanowires. Nanoscale Research Letters, 2010, 5, 1111-1117.	3.1	59
122	Nanocrystals formation and intense green emission in thermally annealed AlN:Ho films for microlaser cavities and photonic applications. Journal of Applied Physics, 2010, 108, .	1.1	12
123	Luminescence from Cr ³⁺ -doped AlN films deposited on optical fiber and silicon substrates for use as waveguides and laser cavities. Applied Optics, 2010, 49, 653.	2.1	8
124	Optical spectroscopy and energy transfer in amorphous AlN-doped erbium and ytterbium ions for applications in laser cavities. Optics Letters, 2010, 35, 3117.	1.7	13
125	Titanium-doped sputter-deposited AlN infrared whispering gallery mode microlaser on optical fibers. Optics Letters, 2010, 35, 3637.	1.7	16
126	Conversion of Direct to Indirect Bandgap and Optical Response of B Substituted InN for Novel Optical Devices Applications. Journal of Lightwave Technology, 2010, 28, 223-227.	2.7	53

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127	Generalized gradient calculations of structural, electronic and optical properties of $Mg_xCd_{1-x}O$ oxides. <i>Journal of Alloys and Compounds</i> , 2010, 493, 212-218.	2.8	24
128	Characterization of Cobalt Nanowires Fabricated in Anodic Alumina Template Through AC Electrodeposition. <i>IEEE Nanotechnology Magazine</i> , 2010, 9, 223-228.	1.1	23
129	Electron Polarization, and Photoluminescence of Sputtered AlN:Sm Thin Films for Optoelectronics and Photonics Applications. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2010, 5, 64-67.	0.1	0
130	Accuracy checks of physical beam modifier factors algorithm used in computerized treatment planning system for a 15MV photon beam. <i>Reports of Practical Oncology and Radiotherapy</i> , 2009, 14, 214-220.	0.3	10
131	Intense Red Catho- and Photoluminescence from 200 nm Thick Samarium Doped Amorphous AlN Thin Films. <i>Nanoscale Research Letters</i> , 2009, 4, 748-52.	3.1	9
132	Ultraviolet spectroscopy of Pr ⁺³ and its use in making ultraviolet filters. <i>Current Applied Physics</i> , 2009, 9, 234-237.	1.1	11
133	Electron penetration depth in amorphous AlN exploiting the luminescence of AlN:Tm/AlN:Ho bilayers. <i>Current Applied Physics</i> , 2009, 9, 417-421.	1.1	11
134	Enhanced cathodoluminescence from an amorphous AlN:holmium phosphor by co-doped Gd ⁺³ for optical devices applications. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009, 26, 998.	0.9	29
135	Bandgap investigations and the effect of the In and Al concentration on the optical properties of $In_xAl_{1-x}N$. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009, 26, 2181.	0.9	37
136	Effect of bias and hydrogenation on the elemental concentration and the thermal stability of amorphous thin carbon films, deposited on Si substrate. <i>Diamond and Related Materials</i> , 2009, 18, 1333-1337.	1.8	10
137	Direct ultraviolet excitation of an amorphous AlN:praseodymium phosphor by codoped Gd ³⁺ cathodoluminescence. <i>Applied Physics Letters</i> , 2007, 91, .	1.5	75
138	Spectroscopy of gadolinium ion and disadvantages of gadolinium impurity in tissue compensators and collimators, used in radiation treatment planning. <i>Spectroscopy</i> , 2007, 21, 205-210.	0.8	10
139	Luminescence from praseodymium doped AlN thin films deposited by RF magnetron sputtering and the effect of material structure and thermal annealing on the luminescence. <i>Journal of Materials Science</i> , 2007, 42, 5657-5660.	1.7	16
140	Structure changes of AlN:Ho films with annealing and enhancement of the Ho ³⁺ emission. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 1290-1293.	1.5	15
141	Luminescence from thulium and samarium doped amorphous AlN thin films deposited by RF magnetron sputtering and the effect of thermal activation on luminescence. <i>EPJ Applied Physics</i> , 2006, 34, 31-34.	0.3	12
142	LIMITATIONS OF GADOLINIUM ALLOYS IN CANCER TREATMENT AND RADIATION SHIELDING. <i>Journal of Mechanics in Medicine and Biology</i> , 2006, 06, 241-248.	0.3	0
143	ATOMIC FORCE MICROSCOPY AND XRD ANALYSIS OF SILVER FILMS DEPOSITED BY THERMAL EVAPORATION. <i>International Journal of Modern Physics B</i> , 2006, 20, 217-231.	1.0	7
144	LUMINESCENCE AND THERMAL ANNEALING OF SPUTTERED DEPOSITED THULIUM- AND SAMARIUM-DOPED AMORPHOUS AlN FILMS. <i>Surface Review and Letters</i> , 2005, 12, 767-771.	0.5	1

#	ARTICLE	IF	CITATIONS
145	SURFACE CHARACTERIZATION AND GRAIN SIZE CALCULATION OF SILVER FILMS DEPOSITED BY THERMAL EVAPORATION. <i>Surface Review and Letters</i> , 2005, 12, 759-766.	0.5	4
146	DETERMINATION OF TRANSFER FUNCTIONS OF MCP-200 ALLOY USING 6 MV PHOTON BEAM FOR BEAM INTENSITY MODULATION. <i>Journal of Mechanics in Medicine and Biology</i> , 2004, 04, 305-310.	0.3	11
147	Cathodoluminescence of Praseodymium doped AlN, GaN and turbo static BN.. <i>Materials Research Society Symposia Proceedings</i> , 2004, 831, 608.	0.1	5
148	Luminescent Holmium Doped Amorphous AlN Thin Films for use as Waveguides and Laser Cavities.. <i>Materials Research Society Symposia Proceedings</i> , 2003, 798, 63.	0.1	1