

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
g-index

156
all docs

156
docs citations

156
times ranked

3650
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Structural, electronic and optical properties of CsPbX ₃ (X=Cl, Br, I) for energy storage and hybrid solar cell applications. <i>Journal of Alloys and Compounds</i> , 2017, 705, 828-839.	2.8	203
4	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
5	Ab initio study of the bandgap engineering of Al _{1-x} GaxN for optoelectronic applications. <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	167
6	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
7	Investigation of structural and optoelectronic properties of BaThO ₃ . <i>Optical Materials</i> , 2011, 33, 553-557.	1.7	124
8	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
9	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
10	Review on the hazardous applications and photodegradation mechanisms of chlorophenols over different photocatalysts. <i>Environmental Research</i> , 2021, 195, 110742.	3.7	111
11	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
12	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
13	Electronic structure, optical and photocatalytic performance of SiC-MX ₂ (M = Mo, W) Tj ETQq1 1 0.784314 rgBT /Over 24168-24175.	1.3	85
14	Direct ultraviolet excitation of an amorphous AlN:praseodymium phosphor by codoped Gd ³⁺ cathodoluminescence. <i>Applied Physics Letters</i> , 2007, 91, .	1.5	75
15	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
16	Thermoelectric properties of SbNCa ₃ and BiNCa ₃ for thermoelectric devices and alternative energy applications. <i>Computer Physics Communications</i> , 2014, 185, 1394-1398.	3.0	70
17	Photocatalysis vs adsorption by metal oxide nanoparticles. <i>Journal of Materials Science and Technology</i> , 2022, 131, 122-166.	5.6	68
18	Effect of Crystallographic Texture on Magnetic Characteristics of Cobalt Nanowires. <i>Nanoscale Research Letters</i> , 2010, 5, 1111-1117.	3.1	59

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19	Opto-electronic response of spinels MgAl ₂ O ₄ and MgGa ₂ O ₄ through modified Becke-Johnson exchange potential. <i>Physica B: Condensed Matter</i> , 2012, 407, 2588-2592.	1.3	57
20	Electronic Band Structures of the Highly Desirable III-V Semiconductors: TB-mBJ DFT Studies. <i>Journal of Electronic Materials</i> , 2016, 45, 3314-3323.	1.0	54
21	Conversion of Direct to Indirect Bandgap and Optical Response of B Substituted InN for Novel Optical Devices Applications. <i>Journal of Lightwave Technology</i> , 2010, 28, 223-227.	2.7	53
22	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
23	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
24	Theoretical studies of structural and magnetic properties of cubic perovskites PrCoO ₃ and NdCoO ₃ . <i>Physica B: Condensed Matter</i> , 2011, 406, 3800-3804.	1.3	48
25	Conversion of optically isotropic to anisotropic Cd _x Se _{1-x} (0 ≤ x ≤ 1) alloy with S concentration. <i>Computational Materials Science</i> , 2013, 77, 145-152.	1.4	48
26	Electrophoretic deposition of lawsone loaded bioactive glass (BG)/chitosan composite on polyetheretherketone (PEEK)/BG layers as antibacterial and bioactive coating. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 3111-3122.	2.1	48
27	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
28	Liquid-phase exfoliated MoS ₂ nanosheets doped with <i>p</i> -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
29	Structural and Optoelectronic Properties of Cubic CsPbF ₃ for Novel Applications. <i>Chinese Physics Letters</i> , 2011, 28, 117803.	1.3	45
30	Effect of phase transition on the optoelectronic properties of Zn _{1-x} Mg _x S. <i>Journal of Applied Physics</i> , 2012, 112, .	1.1	45
31	Hybrid organic solar cells using both ZnO and PCBM as electron acceptor materials. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2014, 189, 64-69.	1.7	45
32	Fabrication of cobalt-nickel binary nanowires in a highly ordered alumina template via AC electrodeposition. <i>Nanoscale Research Letters</i> , 2013, 8, 352.	3.1	44
33	Cr-Doped III-V Nitrides: Potential Candidates for Spintronics. <i>Journal of Electronic Materials</i> , 2011, 40, 1428-1436.	1.0	43
34	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
35	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
36	Bandgap investigations and the effect of the In and Al concentration on the optical properties of In _x Al _{1-x} N. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009, 26, 2181.	0.9	37

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37	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
38	Hydrothermal synthesis of cerium-doped Co_3O_4 nanoflakes as electrode for supercapacitor application. <i>International Journal of Energy Research</i> , 2021, 45, 1999-2010.	2.2	35
39	Structural, electronic and optical properties of $\text{Ca}_x\text{Cd}_{1-x}\text{O}$ and its conversion from semimetal to wide bandgap semiconductor. <i>Computational Materials Science</i> , 2012, 58, 71-76.	1.4	32
40	Elastic and mechanical properties of lanthanide monoxides. <i>Journal of Alloys and Compounds</i> , 2015, 618, 292-298.	2.8	32
41	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
42	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
43	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
44	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
45	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
46	Investigation of half metallicity in Fe doped CdSe and Co doped CdSe materials. <i>Current Applied Physics</i> , 2012, 12, 184-187.	1.1	27
47	Structural and thermoelectric properties of pure and La, Y doped HoMnO_3 for their use as alternative energy materials. <i>Computer Physics Communications</i> , 2015, 187, 1-7.	3.0	27
48	Tri-layered functionally graded membrane for potential application in periodontal regeneration. <i>Materials Science and Engineering C</i> , 2019, 103, 109812.	3.8	27
49	Toward efficient dye degradation and the bactericidal behavior of Mo-doped La_2O_3 nanostructures. <i>Nanoscale Advances</i> , 2022, 4, 926-942.	2.2	27
50	Recent advances in carbonaceous sustainable nanomaterials for wastewater treatments. <i>Sustainable Materials and Technologies</i> , 2022, 32, e00406.	1.7	27
51	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
52	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
53	Generalized gradient calculations of structural, electronic and optical properties of $\text{Mg}_x\text{Cd}_{1-x}\text{O}$ oxides. <i>Journal of Alloys and Compounds</i> , 2010, 493, 212-218.	2.8	24
54	Structural, optical, and electrical characteristics of AlN:Ho thin films irradiated with 700 keV protons. <i>Applied Surface Science</i> , 2015, 357, 179-183.	3.1	24

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55	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
56	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
57	Novel structure formation at the bottom surface of porous anodic alumina fabricated by single step anodization process. <i>Micron</i> , 2010, 41, 560-564.	1.1	23
58	Characterization of Cobalt Nanowires Fabricated in Anodic Alumina Template Through AC Electrodeposition. <i>IEEE Nanotechnology Magazine</i> , 2010, 9, 223-228.	1.1	23
59	Linear attenuation coefficient and buildup factor of MCP-96 alloy for dose accuracy, beam collimation, and radiation protection. <i>Radiological Physics and Technology</i> , 2012, 5, 229-236.	1.0	23
60	Ethylene glycol assisted low-temperature synthesis of boron carbide powder from borate citrate precursors. <i>Journal of Asian Ceramic Societies</i> , 2014, 2, 268-274.	1.0	23
61	Fabrication and temperature dependent magnetic properties of nickel nanowires embedded in alumina templates. <i>Ceramics International</i> , 2015, 41, 12081-12086.	2.3	21
62	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
63	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
64	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
65	Thermoelectric properties of metallic antiperovskites AXD ₃ (A=Ge, Sn, Pb, Al, Zn, Ga; X=N, C; D=Ca, Fe). <i>Tj ETQq1 1,0,784314,rgBT /Ove</i>	1.0	19
66	Effect of Cellulose-Derived Structural Homogeneity of Precursor on the Synthesis and Morphology of Boron Carbide. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2015, 25, 995-999.	1.9	18
67	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
68	Optoelectronic Response of GeZn ₂ O ₄ through the Modified Becke-Johnson Potential. <i>Chinese Physics Letters</i> , 2012, 29, 097102.	1.3	17
69	DFT-mBJ Studies of the Band Structures of the II-VI Semiconductors. <i>Materials Today: Proceedings</i> , 2015, 2, 5122-5127.	0.9	17
70	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
71	Titanium-doped sputter-deposited AlN infrared whispering gallery mode microlaser on optical fibers. <i>Optics Letters</i> , 2010, 35, 3637.	1.7	16
72	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

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73	Structure changes of AlN:Ho films with annealing and enhancement of the Ho ³⁺ emission. Journal of Non-Crystalline Solids, 2006, 352, 1290-1293.	1.5	15
74	In-Vitro Catalytic and Antibacterial Potential of Green Synthesized CuO Nanoparticles against Prevalent Multiple Drug Resistant Bovine Mastitogen Staphylococcus aureus. International Journal of Molecular Sciences, 2022, 23, 2335.	1.8	15
75	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
76	Synthesis, characterization and electrochemical analysis of TiO ₂ nanostructures for sensing l-Cysteine and hydrogen peroxide. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 128, 114541.	1.3	14
77	Polyvinylpyrrolidone and chitosan-doped lanthanum oxide nanostructures used as anti-bacterial agents and nano-catalyst. Applied Nanoscience (Switzerland), 2022, 12, 2227-2239.	1.6	14
78	Experimental and Computational Study of Zr and CNC-Doped MnO ₂ Nanorods for Photocatalytic and Antibacterial Activity. ACS Omega, 2022, 7, 14045-14056.	1.6	14
79	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
80	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
81	Energy level splitting and luminescence enhancement in AlN:Er by an external magnetic field. Optical Materials, 2015, 46, 601-604.	1.7	13
82	Intriguing electronic and optical properties of M ₂ CX ₂ (M = Mo, W; X = O, F) MXenes and their van der Waals heterostructures. Chemical Physics Letters, 2019, 731, 136614.	1.2	13
83	Bactericidal action and molecular docking studies of catalytic Cu-doped NiO composited with cellulose nanocrystals. International Journal of Biological Macromolecules, 2022, 195, 440-448.	3.6	13
84	Luminescence from thulium and samarium doped amorphous AlN thin films deposited by RF magnetron sputtering and the effect of thermal activation on luminescence. EPJ Applied Physics, 2006, 34, 31-34.	0.3	12
85	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
86	Antibacterial Composite Materials Based on the Combination of Polyhydroxyalkanoates With Selenium and Strontium Co-substituted Hydroxyapatite for Bone Regeneration. Frontiers in Bioengineering and Biotechnology, 2021, 9, 647007.	2.0	12
87	Efficient dye degradation, antimicrobial behavior and molecular docking analysis of gold (Au) and cellulose nanocrystals (CNC)-doped strontium oxide nanocomposites. Journal of Nanostructure in Chemistry, 2022, 12, 933-950.	5.3	12
88	MoS ₂ /cellulose-doped ZnO nanorods for catalytic, antibacterial and molecular docking studies. Nanoscale Advances, 2021, 4, 211-225.	2.2	12
89	Highly Active Biphasic Anatase-Rutile Ni-Pd/TNPs Nanocatalyst for the Reforming and Cracking Reactions of Microplastic Waste Dissolved in Phenol. ACS Omega, 2022, 7, 3324-3340.	1.6	12
90	DETERMINATION OF TRANSFER FUNCTIONS OF MCP-200 ALLOY USING 6 MV PHOTON BEAM FOR BEAM INTENSITY MODULATION. Journal of Mechanics in Medicine and Biology, 2004, 04, 305-310.	0.3	11

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91	Ultraviolet spectroscopy of Pr ⁺³ and its use in making ultraviolet filters. <i>Current Applied Physics</i> , 2009, 9, 234-237.	1.1	11
92	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
93	Klein-Nishina electronic cross-section, Compton cross sections, and buildup factor of wax for radiation shielding and protection. <i>Journal of Radiological Protection</i> , 2018, 38, 372-381.	0.6	11
94	Field emission properties of TiO ₂ nanotubes fabricated on Ti wire. <i>Materials Chemistry and Physics</i> , 2019, 233, 21-26.	2.0	11
95	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
96	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
97	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
98	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
99	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
100	Fabrication and temperature dependent magnetic properties of Ni-Cu-Co composite nanowires. <i>Physica B: Condensed Matter</i> , 2015, 475, 99-104.	1.3	10
101	Magnesium Oxide in Nanodimension: Model for MRI and Multimodal Therapy. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-12.	1.5	10
102	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
103	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
104	Robust half-metallicity of AlCoN and AlNiN. <i>International Journal of Quantum Chemistry</i> , 2012, 112, 2668-2674.	1.0	9
105	Effect of saccharides as carbon source on the synthesis and morphology of B ₄ C fine particles from carbothermal synthesis precursors. <i>Materials Express</i> , 2015, 5, 390-400.	0.2	9
106	Polymer Microfibers Incorporated with Silver Nanoparticles: a New Platform for Optical Sensing. <i>Nanoscale Research Letters</i> , 2019, 14, 270.	3.1	9
107	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
108	Characterization of ⁸³ Bi, ⁷⁴ W, ⁴⁸ Cd, ³⁰ Zn, ²⁸ Ni and ²⁶ Fe using Modified Klein-Nishina formula, for radiation shielding and dosimetry. <i>Radiation Physics and Chemistry</i> , 2021, 179, 109264.	1.4	9

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109	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
110	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
111	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
112	Luminescence from Cr ³⁺ -doped AlN films deposited on optical fiber and silicon substrates for use as waveguides and laser cavities. <i>Applied Optics</i> , 2010, 49, 653.	2.1	8
113	Photocatalytic, Bactericidal and Molecular Docking Analysis of Annealed Tin Oxide Nanostructures. <i>Nanoscale Research Letters</i> , 2021, 16, 33.	3.1	8
114	ZnS@Ni Doped Nanoparticles Served as Promising Nano-Photocatalyst (Industrial Dye Degradation). <i>Nanoscience and Nanotechnology Letters</i> , 2019, 11, 1060-1069.	0.4	8
115	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
116	Investigation of the optical properties of P, As and Sb incorporated AlGaX alloys using full potential linearized augmented plane wave method. <i>Computer Physics Communications</i> , 2014, 185, 2829-2833.	3.0	7
117	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
118	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
119	Tunable High-T _C ferromagnetism in Sn ⁴⁺ -doped (InFe _{0.04}) ₂ O ₃ nanoparticles: a vital role of electron doping. <i>Materials Technology</i> , 2017, 32, 327-333.	1.5	6
120	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
121	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
122	Cathodoluminescence of Praseodymium doped AlN, GaN and turbo static BN. <i>Materials Research Society Symposia Proceedings</i> , 2004, 831, 608.	0.1	5
123	Six band terahertz absorption in metamaterial for designing optical filters, and sensors. <i>Optical and Quantum Electronics</i> , 2022, 54, .	1.5	5
124	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
125	Assessment of computerized treatment planning system accuracy in calculating wedge factors of physical wedged fields for 6MV photon beams. <i>Physica Medica</i> , 2011, 27, 135-143.	0.4	4
126	Luminescence Enhancement in Amorphous AlN:W by Co-Doped Gd ³⁺ . <i>IEEE Photonics Technology Letters</i> , 2015, 27, 1519-1522.	1.3	4

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127	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
128	Regularization of voxelwise autoregressive model for analysis of functional magnetic resonance imaging data. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2011, 38A, 187-196.	0.2	3
129	Structural Analysis and Infrared Emission from Ti+3 Doped AlN Deposited on Si(100) and Si(111) Substrates and Optical Fibers. <i>Journal of Low Temperature Physics</i> , 2015, 179, 365-374.	0.6	3
130	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
131	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
132	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
133	Interaction of Gamma Rays and X-Rays with Matter. <i>Biological and Medical Physics Series</i> , 2017, , 43-61.	0.3	3
134	An efficient method for effective connectivity of brain regions. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2012, 40A, 14-24.	0.2	2
135	Controlled Structure of Electrochemically Deposited Pd Nanowires in Ion-Track Templates. <i>Nanoscale Research Letters</i> , 2015, 10, 481.	3.1	2
136	Structural, Thermal and Luminescence Properties of AlN:Tm Thin Films Deposited on Silicon Substrate and Optical Fiber. <i>Semiconductors</i> , 2018, 52, 2039-2045.	0.2	2
137	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
138	Dose non-linearity of the dosimetry system and possible monitor unit errors on medical linear accelerators used in conventional and intensity-modulated radiation therapy. <i>Nuclear Technology and Radiation Protection</i> , 2012, 27, 368-373.	0.3	2
139	Carbon Nanocomposite-Based SCs as Wearable Energy Storage. <i>Advances in Material Research and Technology</i> , 2022, , 451-483.	0.3	2
140	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
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