

Saif Ullah Awan

List of Publications by Year in descending order

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37
papers

898
citations

471509

17
h-index

454955

30
g-index

38
all docs

38
docs citations

38
times ranked

1299
citing authors

#	ARTICLE	IF	CITATIONS
1	Butterfly cluster like lamellar BiOBr/TiO ₂ nanocomposite for enhanced sunlight photocatalytic mineralization of aqueous ciprofloxacin. <i>Science of the Total Environment</i> , 2019, 665, 668-677.	8.0	108
2	Ferromagnetism in Li doped ZnO nanoparticles: The role of interstitial Li. <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	106
3	Fabrication of pure and moxifloxacin functionalized silver oxide nanoparticles for photocatalytic and antimicrobial activity. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 186, 116-124.	3.8	64
4	PEG-coated folic acid-modified superparamagnetic MnFe ₂ O ₄ nanoparticles for hyperthermia therapy and drug delivery. <i>Materials Chemistry and Physics</i> , 2013, 138, 703-708.	4.0	58
5	Doxorubicin-loaded photosensitive magnetic liposomes for multi-modal cancer therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 148, 157-164.	5.0	50
6	Stabilized fabrication of anatase-TiO ₂ /FeS ₂ (pyrite) semiconductor composite nanocrystals for enhanced solar light-mediated photocatalytic degradation of methylene blue. <i>RSC Advances</i> , 2018, 8, 11935-11945.	3.6	47
7	Defects induced luminescence and tuning of bandgap energy narrowing in ZnO nanoparticles doped with Li ions. <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	38
8	Effects of substitutional Li on the ferromagnetic response of Li co-doped ZnO:Co nanoparticles. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 156005.	1.8	37
9	gâ€C ₃ N ₄ /CeO ₂ /Fe ₃ O ₄ Ternary Composite as an Efficient Bifunctional Catalyst for Overall Water Splitting. <i>ChemCatChem</i> , 2018, 10, 5587-5592.	3.7	37
10	Rationally designed La and Se co-doped bismuth ferrites with controlled bandgap for visible light photocatalysis. <i>RSC Advances</i> , 2019, 9, 17148-17156.	3.6	33
11	Controlled Synthesis of Sb ₂ (S ^{1â€“} Se ²) ₃ (0 â‰‰ 1) Solid Solution and the Effect of Composition Variation on Electrocatalytic Energy Conversion and Storage. <i>ACS Applied Energy Materials</i> , 2020, 3, 1448-1460.	5.1	31
12	Facile synthesis of g-C ₃ N ₄ (0.94)/CeO ₂ (0.05)/Fe ₃ O ₄ (0.01) nanosheets for DFT supported visible photocatalysis of 2-Chlorophenol. <i>Scientific Reports</i> , 2019, 9, 10202.	3.3	29
13	Metal-organic framework derived multi-functionalized and co-doped TiO ₂ /C nanocomposites for excellent visible-light photocatalysis. <i>Journal of Materials Science and Technology</i> , 2022, 101, 49-59.	10.7	29
14	Structural, optical, electronic and magnetic properties of multiphase ZnO/Zn(OH) ₂ /ZnO ₂ nanocomposites and hexagonal prism shaped ZnO nanoparticles synthesized by pulse laser ablation in Heptanes. <i>Materials Chemistry and Physics</i> , 2018, 211, 510-521.	4.0	24
15	Room temperature <i>p</i> -type conductivity and coexistence of ferroelectric order in ferromagnetic Li doped ZnO nanoparticles. <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	18
16	Novel Single-Crystal Hollandite K _{1.46} Fe _{0.8} Ti _{7.2} O ₁₆ Microrods: Synthesis, Double Absorption, and Magnetism. <i>Inorganic Chemistry</i> , 2018, 57, 15187-15197.	4.0	18
17	Effect of Annealing Temperature on Structural Phase Transformations and Band Gap Reduction for Photocatalytic Activity of Mesopores TiO ₂ Nanocatalysts. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 1312-1322.	3.7	18
18	Design and Analysis of a High-Gain and Robust Multi-DOF Electro-thermally Actuated MEMS Gyroscope. <i>Micromachines</i> , 2018, 9, 577.	2.9	17

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19	Pronounced Impact of p-Type Carriers and Reduction of Bandgap in Semiconducting ZnTe Thin Films by Cu Doping for Intermediate Buffer Layer in Heterojunction Solar Cells. <i>Materials</i> , 2019, 12, 1359.	2.9	17
20	Cell viability study of thermo-responsive core-shell superparamagnetic nanoparticles for multimodal cancer therapy. <i>Applied Nanoscience (Switzerland)</i> , 2014, 4, 227-232.	3.1	15
21	Correlation between structural, electrical, dielectric and magnetic properties of semiconducting Co doped and (Co, Li) co-doped ZnO nanoparticles for spintronics applications. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2018, 103, 110-121.	2.7	15
22	Structural, ferromagnetic, electrical, and dielectric relaxor properties of BaTiO ₃ and CoFe ₂ O ₄ bulk, nanoparticles, and nanocomposites materials for electronic devices. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	13
23	Room-temperature ferromagnetism in Gd and Sn co-doped bismuth ferrite nanoparticles and co-doped BiFeO ₃ /MXene (Ti ₃ C ₂) nanohybrids for spintronics applications. <i>Ceramics International</i> , 2020, 46, 29011-29021.	4.8	12
24	Influence of Li ¹⁺ co-doping defects on luminescence and bandgap narrowing of ZnO:Co ²⁺ nanoparticles due to band tailing effects. <i>Journal of Luminescence</i> , 2016, 172, 231-242.	3.1	11
25	Role of Ag ¹⁺ substitutional defects on the electronic and optical properties of n-type CdS thin films semiconductor for sustainable and stable window layer in solar cells technology. <i>Optical Materials</i> , 2018, 85, 143-152.	3.6	11
26	Carrier concentration dependence of ferroelectric transition in multiferroic Li doped and Li-Co co-doped ZnO nanoparticles. <i>Applied Physics Letters</i> , 2014, 104, 222906.	3.3	9
27	Raman scattering and interstitial Li defects induced polarization in co-doped multiferroic Zn _{0.96-y} Co _{0.04} Li _y O (0.00 ≤ y ≤ 0.10) nanoparticles. <i>RSC Advances</i> , 2015, 5, 39828-39839.	3.6	9
28	Selenium-enriched flower-like of bismuth ferrite nanosheets assembly with associated magnetic properties. <i>AIP Advances</i> , 2019, 9, .	1.3	9
29	Study of room temperature Raman scattering and XPS, high temperature electrical and low temperature magnetic properties of Zn _{1-x} Li _y O (0.00 ≤ y ≤ 0.10) nanoparticles. <i>Smart Materials and Structures</i> , 2015, 24, 115025.	3.5	5
30	Harmonic Distortion in Distribution System Due to Single-Phase Electric Vehicle Charging. , 2018, , .		4
31	Effects of Structural Modification on Vibrational Modes, Electronic Transitions, and Bandgap of Bi _{1-x} BaxFeO ₃ (0 ≤ x ≤ 0.30) System. <i>Journal of Electronic Materials</i> , 2019, 48, 4273-4282.	2.2	2
32	Investigation of dielectric and complex impedance spectroscopic studies of Bi _{1-x} BaxFeO ₃ (0 ≤ x ≤ 0.30) system. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 8327-8337.	2.2	1
33	Cu co-doping effect on electronic structure and room temperature ferromagnetism of TiO ₂ :V nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 3751-3758.	2.2	1
34	Design and Modeling of Robust Multi Degree of Freedom Micro Gyroscope with Wide Bandwidth. , 2018, , .		1
35	Design, Modeling and Parametric Analysis of Chevron Shaped Electrothermal Actuator Using Low Cost Metal MUMPS Fabrication Process. , 2018, , .		0
36	Graphite Ion Source Geometry and Ne-Gas Pressure Dependent Growth and Morphology of Carbon Nanoclusters: AFM Analysis. <i>Crystals</i> , 2020, 10, 796.	2.2	0

#	ARTICLE	IF	CITATIONS
37	Enhancement of the Triboelectrification Using Artificial Surface Charges. IEEE Access, 2020, 8, 222556-222561.	4.2	0