

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
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38
all docs

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38
times ranked

1299
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-organic framework derived multi-functionalized and co-doped TiO ₂ /C nanocomposites for excellent visible-light photocatalysis. Journal of Materials Science and Technology, 2022, 101, 49-59.	10.7	29
2	Effect of Annealing Temperature on Structural Phase Transformations and Band Gap Reduction for Photocatalytic Activity of Mesopores TiO ₂ Nanocatalysts. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 1312-1322.	3.7	18
3	Controlled Synthesis of Sb ₂ (S _{1-x} Se _x) ₃ (0 ≤ x ≤ 1) Solid Solution and the Effect of Composition Variation on Electrocatalytic Energy Conversion and Storage. ACS Applied Energy Materials, 2020, 3, 1448-1460.	5.1	31
4	Structural, ferromagnetic, electrical, and dielectric relaxor properties of BaTiO ₃ and CoFe ₂ O ₄ bulk, nanoparticles, and nanocomposites materials for electronic devices. Journal of Applied Physics, 2020, 128, .	2.5	13
5	Graphite Ion Source Geometry and Ne-Gas Pressure Dependent Growth and Morphology of Carbon Nanoclusters: AFM Analysis. Crystals, 2020, 10, 796.	2.2	0
6	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. Ceramics International, 2020, 46, 29011-29021.	4.8	12
7	Enhancement of the Triboelectrification Using Artificial Surface Charges. IEEE Access, 2020, 8, 222556-222561.	4.2	0
8	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. Scientific Reports, 2019, 9, 10202.	3.3	29
9	Selenium-enriched flower-like of bismuth ferrite nanosheets assembly with associated magnetic properties. AIP Advances, 2019, 9, .	1.3	9
10	Rationally designed La and Se co-doped bismuth ferrites with controlled bandgap for visible light photocatalysis. RSC Advances, 2019, 9, 17148-17156.	3.6	33
11	Effects of Structural Modification on Vibrational Modes, Electronic Transitions, and Bandgap of Bi _{1-x} BaxFeO ₃ (0 ≤ x ≤ 0.30) System. Journal of Electronic Materials, 2019, 48, 4273-4282.	2.2	2
12	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. Materials, 2019, 12, 1359.	2.9	17
13	Butterfly cluster like lamellar BiOBr/TiO ₂ nanocomposite for enhanced sunlight photocatalytic mineralization of aqueous ciprofloxacin. Science of the Total Environment, 2019, 665, 668-677.	8.0	108
14	Investigation of dielectric and complex impedance spectroscopic studies of Bi _{1-x} BaxFeO ₃ (0 ≤ x ≤ 0.30) system. Journal of Materials Science: Materials in Electronics, 2018, 29, 8327-8337.	2.2	1
15	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. Materials Chemistry and Physics, 2018, 211, 510-521.	4.0	24
16	Stabilized fabrication of anatase-TiO ₂ /FeS ₂ (pyrite) semiconductor composite nanocrystals for enhanced solar light-mediated photocatalytic degradation of methylene blue. RSC Advances, 2018, 8, 11935-11945.	3.6	47
17	Cu co-doping effect on electronic structure and room temperature ferromagnetism of TiO ₂ :V nanoparticles. Journal of Materials Science: Materials in Electronics, 2018, 29, 3751-3758.	2.2	1
18	Design and Analysis of a High-Gain and Robust Multi-DOF Electro-thermally Actuated MEMS Gyroscope. Micromachines, 2018, 9, 577.	2.9	17

#	ARTICLE	IF	CITATIONS
19	Design and Modeling of Robust Multi Degree of Freedom Micro Gyroscope with Wide Bandwidth. , 2018, , .		1
20	Design, Modeling and Parametric Analysis of Chevron Shaped Electrothermal Actuator Using Low Cost MetalMUMPS Fabrication Process. , 2018, , .		0
21	Novel Single-Crystal Hollandite K _{1.46} Fe _{0.8} Ti _{7.2} O ₁₆ Microrods: Synthesis, Double Absorption, and Magnetism. Inorganic Chemistry, 2018, 57, 15187-15197.	4.0	18
22	gâ€C₃N₄/CeO₂/Fe₃O₄ Ternary Composite as an Efficient Bifunctional Catalyst for Overall Water Splitting. ChemCatChem, 2018, 10, 5587-5592.	3.7	37
23	Correlation between structural, electrical, dielectric and magnetic properties of semiconducting Co doped and (Co, Li) co-doped ZnO nanoparticles for spintronics applications. Physica E: Low-Dimensional Systems and Nanostructures, 2018, 103, 110-121.	2.7	15
24	Fabrication of pure and moxifloxacin functionalized silver oxide nanoparticles for photocatalytic and antimicrobial activity. Journal of Photochemistry and Photobiology B: Biology, 2018, 186, 116-124.	3.8	64
25	Harmonic Distortion in Distribution System Due to Single-Phase Electric Vehicle Charging. , 2018, , .		4
26	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. Optical Materials, 2018, 85, 143-152.	3.6	11
27	Doxorubicin-loaded photosensitive magnetic liposomes for multi-modal cancer therapy. Colloids and Surfaces B: Biointerfaces, 2016, 148, 157-164.	5.0	50
28	Influence of Li ¹⁺ co-doping defects on luminescence and bandgap narrowing of ZnO:Co ²⁺ nanoparticles due to band tailing effects. Journal of Luminescence, 2016, 172, 231-242.	3.1	11
29	Study of room temperature Raman scattering and XPS, high temperature electrical and low temperature magnetic properties of Zn _{1-<i>y</i>} Li _{<i>y</i>} O (0.00 â‰¥ <i>y</i> â‰¥ 0.10) nanoparticles. Smart Materials and Structures, 2015, 24, 115025.	3.5	5
30	Raman scattering and interstitial Li defects induced polarization in co-doped multiferroic Zn_{0.96-y}Co_{0.04}Li_yO (0.00 â‰¥ y â‰¥ 0.10) nanoparticles. RSC Advances, 2015, 5, 39828-39839.	3.6	9
31	Defects induced luminescence and tuning of bandgap energy narrowing in ZnO nanoparticles doped with Li ions. Journal of Applied Physics, 2014, 116, .	2.5	38
32	Room temperature <i>p</i>-type conductivity and coexistence of ferroelectric order in ferromagnetic Li doped ZnO nanoparticles. Journal of Applied Physics, 2014, 116, .	2.5	18
33	Carrier concentration dependence of ferroelectric transition in multiferroic Li doped and Li-Co co-doped ZnO nanoparticles. Applied Physics Letters, 2014, 104, 222906.	3.3	9
34	Cell viability study of thermo-responsive coreâ€shell superparamagnetic nanoparticles for multimodal cancer therapy. Applied Nanoscience (Switzerland), 2014, 4, 227-232.	3.1	15
35	PEG-coated folic acid-modified superparamagnetic MnFe ₂ O ₄ nanoparticles for hyperthermia therapy and drug delivery. Materials Chemistry and Physics, 2013, 138, 703-708.	4.0	58
36	Effects of substitutional Li on the ferromagnetic response of Li co-doped ZnO:Co nanoparticles. Journal of Physics Condensed Matter, 2013, 25, 156005.	1.8	37

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37	Ferromagnetism in Li doped ZnO nanoparticles: The role of interstitial Li. Journal of Applied Physics, 2012, 112, .	2.5	106