

Muhammad Shahid Nadeem

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,053
citations

394421

19
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

533
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual S-scheme heterojunction ZnO@VO ₅ WO ₃ nanocomposite with enhanced photocatalytic and antimicrobial activity. <i>Materials Chemistry and Physics</i> , 2021, 263, 124372.	4.0	93
2	Implication of nano-antioxidant therapy for treatment of hepatocellular carcinoma using PLGA nanoparticles of rutin. <i>Nanomedicine</i> , 2018, 13, 849-870.	3.3	87
3	Zn _{0.9} Ce _{0.05} M _{0.05} O (M = Er, Y, V) nanocrystals: Structural and energy bandgap engineering of ZnO for enhancing photocatalytic and antibacterial activity. <i>Ceramics International</i> , 2020, 46, 14369-14383.	4.8	85
4	Enhancement in the photocatalytic and antimicrobial properties of ZnO nanoparticles by structural variations and energy bandgap tuning through Fe and Co co-doping. <i>Ceramics International</i> , 2021, 47, 11109-11121.	4.8	70
5	Nanomedicine in treatment of breast cancer – A challenge to conventional therapy. <i>Seminars in Cancer Biology</i> , 2021, 69, 279-292.	9.6	59
6	Multi metal oxide NiO-Fe ₂ O ₃ -CdO nanocomposite-synthesis, photocatalytic and antibacterial properties. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	58
7	Highly efficient tri-phase TiO ₂ @Y ₂ O ₃ @VO ₅ nanocomposite: structural, optical, photocatalyst, and antibacterial studies. <i>Journal of Nanostructure in Chemistry</i> , 2022, 12, 547-564.	9.1	57
8	Novel photocatalyst and antibacterial agent; direct dual Z-scheme ZnO@CeO ₂ -Yb ₂ O ₃ heterostructured nanocomposite. <i>Solid State Sciences</i> , 2020, 109, 106446.	3.2	54
9	Sunlight-induced photocatalytic degradation of various dyes and bacterial inactivation using CuO@MgO@ZnO nanocomposite. <i>Environmental Science and Pollution Research</i> , 2021, 28, 42243-42260.	5.3	52
10	Fabrication of dual Z-scheme TiO ₂ -WO ₃ -CeO ₂ heterostructured nanocomposite with enhanced photocatalysis, antibacterial, and electrochemical performance. <i>Journal of Alloys and Compounds</i> , 2022, 898, 162779.	5.5	52
11	Novel direct dual-Z-scheme ZnO-Er ₂ O ₃ -Nd ₂ O ₃ @reduced graphene oxide heterostructured nanocomposite: Synthesis, characterization and superior antibacterial and photocatalytic activity. <i>Materials Chemistry and Physics</i> , 2020, 253, 123249.	4.0	48
12	Structural, optical, electrical, and morphological studies of rGO anchored direct dual-Z-scheme ZnO-Sm ₂ O ₃ @Y ₂ O ₃ heterostructured nanocomposite: An efficient photocatalyst under sunlight. <i>Solid State Sciences</i> , 2020, 106, 106307.	3.2	47
13	Rare earth metal co-doped ZnO@9La _{0.05} M _{0.05} O (M = Yb, Sm, Nd) nanocrystals; energy gap tailoring, structural, photocatalytic and antibacterial studies. <i>Materials Science in Semiconductor Processing</i> , 2021, 122, 105485.	4.0	46
14	Enhancement in carrier separation of ZnO-Ho ₂ O ₃ -Sm ₂ O ₃ heterostructured nanocomposite with rGO and PANI supported direct dual Z-scheme for antimicrobial inactivation and sunlight driven photocatalysis. <i>Advanced Powder Technology</i> , 2021, 32, 3770-3787.	4.1	46
15	Facile synthesis of Cr-Co co-doped CdO nanowires for photocatalytic, antimicrobial, and supercapacitor applications. <i>Journal of Alloys and Compounds</i> , 2021, 885, 160885.	5.5	42
16	Enhanced photocatalytic, antibacterial, and electrochemical properties of CdO-based nanostructures by transition metals co-doping. <i>Advanced Powder Technology</i> , 2022, 33, 103451.	4.1	35
17	Energy-levels well-matched direct Z-scheme ZnNiNdO/CdS heterojunction for elimination of diverse pollutants from wastewater and microbial disinfection. <i>Environmental Science and Pollution Research</i> , 2022, 29, 50317-50334.	5.3	25
18	Multifunctional properties of ZnO@9Mn _{0.05} M _{0.05} O (M = Al, Bi, Sr, Ag) nanocrystals-structural and optical study: Enhance sunlight driven photocatalytic activity. <i>Ceramics International</i> , 2020, 46, 22345-22366.	4.8	23

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19	Facile synthesis of rare earth metal dual-doped Pr ₂ O ₃ nanostructures: Enhanced electrochemical water-splitting and antimicrobial properties. <i>Ceramics International</i> , 2022, 48, 19150-19165.	4.8	23
20	Sol-gel synthesis of Cu _{0.9} Zn _{0.05} M _{0.05} O (M = Cr, Co, Cd) nanocrystals for removal of pollutant dyes and bacterial inactivation. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 14437-14455.	2.2	17
21	Synthesis, characterization, and antibacterial study of novel Mg _{0.9} Cr _{0.05} M _{0.05} O (M = Co, Ag, Ni) nanocrystals. <i>Physica B: Condensed Matter</i> , 2021, 602, 412555.	2.7	15
22	Facile synthesis of novel PANI covered Y ₂ O ₃ @ZnO nanocomposite: A promising electrode material for supercapacitor. <i>Solid State Sciences</i> , 2022, 128, 106883.	3.2	12
23	Superior electrochemical performance of neodymium oxide-based Nd ₂ CeMO ₃ (M = Er, Sm, V) nanostructures for supercapacitor application. <i>Journal of Electroanalytical Chemistry</i> , 2022, 920, 116614.	3.8	7