

Arshad Saleem Bhatti

List of Publications by Year in descending order

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49
papers

511
citations

759233

12
h-index

752698

20
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49
all docs

49
docs citations

49
times ranked

710
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Mg doping on optical and CO gas sensing properties of sensitive ZnO nanobelts. CrystEngComm, 2014, 16, 6080-6088.	2.6	52
2	Rhenium dichalcogenides (ReX ₂ , X = S or Se): an emerging class of TMDs family. Materials Chemistry Frontiers, 2017, 1, 1917-1932.	5.9	51
3	Measurement of soil radioactivity levels and radiation hazard assessment in mid Rechna interfluvial region, Pakistan. Journal of Radioanalytical and Nuclear Chemistry, 2010, 283, 371-378.	1.5	31
4	Synthesis of ZnO Nanostructures for Low Temperature CO and UV Sensing. Sensors, 2012, 12, 13842-13851.	3.8	31
5	Triethylphosphine-Assisted Pre-protection Low-Temperature Solvothermal Synthesis of Highly Stable CsPbBr ₃ /TiO ₂ Nanocomposites. Journal of Physical Chemistry Letters, 2021, 12, 3786-3794.	4.6	30
6	Pressure-Driven Transformation of CsPbBr ₂ Nanoparticles into Stable Nanosheets in Solution through Self-Assembly. Journal of Physical Chemistry Letters, 2020, 11, 9862-9868.	4.6	28
7	Efficient seed-mediated method for the large-scale synthesis of Au nanorods. Journal of Nanoparticle Research, 2017, 19, 115.	1.9	19
8	Fabrication of flexible, cost-effective, and scalable silver substrates for efficient surface enhanced Raman spectroscopy based trace detection. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 619, 126542.	4.7	17
9	Anomalous optical and magnetic behavior of multi-phase Mn doped Zn ₂ SiO ₄ nanowires: a new class of dilute magnetic semiconductors. Nanoscale, 2014, 6, 14845-14855.	5.6	15
10	Modified structural and optical characteristics of Au-NPs@MWCNTs nanohybrids. Superlattices and Microstructures, 2015, 81, 248-264.	3.1	15
11	Strong violet emission from ultra-stable strontium-doped CsPbCl ₃ superlattices. Nanoscale, 2022, 14, 2359-2366.	5.6	14
12	Tuning optical properties of CsPbBr ₃ by mixing Nd ³⁺ trivalent lanthanide halide cations for blue light emitting devices. Nanotechnology, 2022, 33, 175202.	2.6	13
13	Morphology tuned ZnS nanostructures for hydrogen gas sensing. Journal of Materials Science: Materials in Electronics, 2011, 22, 1772-1777.	2.2	12
14	Critical role of defect states on visible luminescence from ZnS nanostructures doped with Au, Mn and Ga. Materials Science in Semiconductor Processing, 2020, 117, 105193.	4.0	11
15	Development of highly sensitive UV sensor using morphology tuned ZnO nanostructures. Applied Physics A: Materials Science and Processing, 2015, 118, 595-603.	2.3	10
16	Surface plasmon mediated optical properties of ZnO/Au/TiO ₂ nanoheterostructure rod arrays. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2018, 231, 32-39.	3.5	10
17	Anomalous Arrhenius and Berthelot behavior of temperature dependent photoluminescence of Mn-doped ZnS nanostructures. Ceramics International, 2020, 46, 9794-9801.	4.8	10
18	Stable CsPbX ₃ (Br/Cl) Perovskite Nanocrystal Layer Passivated with Al-Doped CdSe for Blue Light-Emitting Diodes. ACS Applied Nano Materials, 2022, 5, 908-916.	5.0	10

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19	Modified optical characteristics of TiO ₂ /Au/TiO ₂ thin composite films. <i>Ceramics International</i> , 2019, 45, 22336-22343.	4.8	9
20	Facile synthesis of gold nanostars over a wide size range and their excellent surface enhanced Raman scattering and fluorescence quenching properties. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2018, 36, 03E101.	1.2	8
21	Structural and electrochemical characteristics of o-LiMnO ₂ -MWCNTs nanocomposites. <i>Physica B: Condensed Matter</i> , 2019, 575, 411695.	2.7	8
22	Structural, optical and antimicrobial characteristics of ZnO green nanoparticles. <i>Journal of Sol-Gel Science and Technology</i> , 2022, 101, 401-410.	2.4	8
23	Assessment of environmental gamma dose in northern Rechna Doab in Pakistan. <i>Nuclear Technology and Radiation Protection</i> , 2009, 24, 56-60.	0.8	7
24	Fabrication of Highly Catalytically Active Gold Nanostructures on Filter Paper and Their Applications towards Degradation of Environmental Pollutants. <i>ChemistrySelect</i> , 2021, 6, 10655-10660.	1.5	7
25	In Situ Synthesis of UltraStable TiO ₂ Coating Rb ⁺ -Doped Red Emitting CsPbBr ₂ Perovskite Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2022, 126, 1542-1551.	3.1	7
26	The effect of annealing on the room temperature ferromagnetism in co-sputtered In ₂ O ₃ : C thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2011, 323, 2841-2845.	2.3	6
27	Effect of annealing on the magnetic properties of Cu-capped ultrathin Co films. <i>Journal of Magnetism and Magnetic Materials</i> , 2011, 323, 340-345.	2.3	6
28	The effect of varied pH on the luminescence characteristics of antibody-mercaptoacetic acid conjugated ZnS nanowires. <i>Chemical Physics</i> , 2017, 497, 24-31.	1.9	6
29	Micro-plasma assisted synthesis of multifunctional D-fructose coated silver nanoparticles. <i>Materials Research Express</i> , 2019, 6, 1050a2.	1.6	6
30	UV-A Treatment of ZrO ₂ Thin Films Fabricated by Environmental Friendlier Water-Based Solution Processing: Structural and Optical Studies. <i>Coatings</i> , 2021, 11, 821.	2.6	6
31	Electrochemically driven optical and SERS immunosensor for the detection of a therapeutic cardiac drug. <i>RSC Advances</i> , 2022, 12, 2901-2913.	3.6	6
32	Raman spectroscopy of nominally Ni-doped LiMn ₂ NiO ₄ (0 ≤ x ≤ 0.20). <i>Materials Research Express</i> , 2019, 6, 115550.	1.6	5
33	A versatile approach for shape-controlled synthesis of ultrathin perovskite nanostructures. <i>Dalton Transactions</i> , 2021, 50, 3308-3314.	3.3	5
34	Comparison of E. coli detection in single and bi-metal clad waveguide biosensors. <i>Sensors and Actuators A: Physical</i> , 2011, 168, 101-104.	4.1	4
35	Influence of different metal over-layers on the electrical behaviour of the MIS Schottky diodes. <i>International Journal of Electronics</i> , 2013, 100, 1228-1239.	1.4	4
36	The adverse role of excess negative ions in reducing the photoluminescence from water soluble MAA-CdSe/ZnS quantum dots in various phosphate buffers. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 29446-29451.	2.8	4

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37	Insights into the role of graphene in hybrid photocatalytic system by in-situ shell-isolated nanoparticle-enhanced Raman spectroscopy. Carbon, 2019, 152, 305-315.	10.3	4
38	Investigation of structural and optical parameters of yttrium-doped ZnO thin films prepared via spin coating of simple aqueous solution. Bulletin of Materials Science, 2021, 44, 1.	1.7	4
39	Ag-doped ZnO nanorods for multifunctional applications: UV and ethanol gas sensing. Journal of Materials Science: Materials in Electronics, 2021, 32, 18108-18122.	2.2	3
40	Design Simulation of Czernyâ€“Turner Configuration-Based Raman Spectrometer Using Physical Optics Propagation Algorithm. Optics, 2022, 3, 1-7.	1.2	3
41	Defect states in ZnO/SnO2 composite nanostructures (CNs) for possible facilitating role in carrier transport across the junction. Journal of Materials Science: Materials in Electronics, 2021, 32, 1818-1828.	2.2	2
42	Ecofriendly Water-Based Solution Processing: Preliminary Studies of Zn-ZrO2 Thin Films for Microelectronics Applications. Coatings, 2021, 11, 901.	2.6	2
43	An insight into the high temperature performance of SiC bipolar junction transistor. , 2009, , .		1
44	SPR immunosensor for the detection of Staphylococcus aureus. , 2016, , .		1
45	The effect of varied pH environment on the optical efficiency of ZnS nanowires and CdSe/ZnS quantum dots as biomarkers. , 2017, , .		0
46	THE KINETICS OF THE AS GROWN AND ANNEALED SELF-ASSEMBLED MONOLAYER STUDIED BY FORCE SPECTROSCOPY. Surface Review and Letters, 2018, 25, 1850054.	1.1	0
47	Anomalous photoluminescence and UV light sensing characteristics of ZnO:Ga nanowiresâ€“role of Ga content. Journal of Materials Science: Materials in Electronics, 2019, 30, 15285-15292.	2.2	0
48	ELECTRICAL CHARACTERIZATION OF METAL JUNCTION FORMED WITH PURE AND POLYANILINE-BLENDED POLY(SCHIFF BASE) POLYMER. Surface Review and Letters, 2019, 26, 1950072.	1.1	0
49	Controlling the concentration of gold nanorods during their dielectrophoresis-assisted deposition. Materials Research Express, 2020, 7, 015050.	1.6	0