

Arshad Saleem Bhatti

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

511
citations

759233

12
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752698

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docs citations

49
times ranked

710
citing authors

#	ARTICLE	IF	CITATIONS
1	Strong violet emission from ultra-stable strontium-doped CsPbCl ₃ superlattices. <i>Nanoscale</i> , 2022, 14, 2359-2366.	5.6	14
2	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
3	Design Simulation of Czernyâ€“Turner Configuration-Based Raman Spectrometer Using Physical Optics Propagation Algorithm. <i>Optics</i> , 2022, 3, 1-7.	1.2	3
4	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
5	Tuning optical properties of CsPbBr ₃ by mixing Nd ³⁺ trivalent lanthanide halide cations for blue light emitting devices. <i>Nanotechnology</i> , 2022, 33, 175202.	2.6	13
6	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
7	Stable CsPbX ₃ (Br/Cl) Perovskite Nanocrystal Layer Passivated with Al-Doped CdSe for Blue Light-Emitting Diodes. <i>ACS Applied Nano Materials</i> , 2022, 5, 908-916.	5.0	10
8	A versatile approach for shape-controlled synthesis of ultrathin perovskite nanostructures. <i>Dalton Transactions</i> , 2021, 50, 3308-3314.	3.3	5
9	Defect states in ZnO/SnO ₂ composite nanostructures (CNs) for possible facilitating role in carrier transport across the junction. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 1818-1828.	2.2	2
10	Triethylphosphine-Assisted Pre-protection Low-Temperature Solvothermal Synthesis of Highly Stable CsPbBr ₃ /TiO ₂ Nanocomposites. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 3786-3794.	4.6	30
11	Investigation of structural and optical parameters of yttrium-doped ZnO thin films prepared via spin coating of simple aqueous solution. <i>Bulletin of Materials Science</i> , 2021, 44, 1.	1.7	4
12	Ag-doped ZnO nanorods for multifunctional applications: UV and ethanol gas sensing. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 18108-18122.	2.2	3
13	Fabrication of flexible, cost-effective, and scalable silver substrates for efficient surface enhanced Raman spectroscopy based trace detection. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 619, 126542.	4.7	17
14	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
15	Ecofriendly Water-Based Solution Processing: Preliminary Studies of Zn-ZrO ₂ Thin Films for Microelectronics Applications. <i>Coatings</i> , 2021, 11, 901.	2.6	2
16	Fabrication of Highly Catalytically Active Gold Nanostructures on Filterâ€“Paper and Their Applications towards Degradation of Environmental Pollutants. <i>ChemistrySelect</i> , 2021, 6, 10655-10660.	1.5	7
17	Controlling the concentration of gold nanorods during their dielectrophoresis-assisted deposition. <i>Materials Research Express</i> , 2020, 7, 015050.	1.6	0
18	Pressure-Driven Transformation of CsPbBr ₂ Nanoparticles into Stable Nanosheets in Solution through Self-Assembly. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 9862-9868.	4.6	28

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19	Critical role of defect states on visible luminescence from ZnS nanostructures doped with Au, Mn and Ga. <i>Materials Science in Semiconductor Processing</i> , 2020, 117, 105193.	4.0	11
20	Anomalous Arrhenius and Berthelot behavior of temperature dependent photoluminescence of Mn-doped ZnS nanostructures. <i>Ceramics International</i> , 2020, 46, 9794-9801.	4.8	10
21	Raman spectroscopy of nominally Ni-doped $\text{LiMn}_{2-x}\text{Ni}_x\text{O}_4$ ($0 \leq x \leq 0.20$). <i>Materials Research Express</i> , 2019, 6, 115550.	1.6	5
22	Anomalous photoluminescence and UV light sensing characteristics of ZnO:Ga nanowires—role of Ga content. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 15285-15292.	2.2	0
23	Modified optical characteristics of TiO ₂ /Au/TiO ₂ thin composite films. <i>Ceramics International</i> , 2019, 45, 22336-22343.	4.8	9
24	Structural and electrochemical characteristics of o-LiMnO ₂ -MWCNTs nanocomposites. <i>Physica B: Condensed Matter</i> , 2019, 575, 411695.	2.7	8
25	Micro-plasma assisted synthesis of multifunctional D-fructose coated silver nanoparticles. <i>Materials Research Express</i> , 2019, 6, 1050a2.	1.6	6
26	Insights into the role of graphene in hybrid photocatalytic system by in-situ shell-isolated nanoparticle-enhanced Raman spectroscopy. <i>Carbon</i> , 2019, 152, 305-315.	10.3	4
27	ELECTRICAL CHARACTERIZATION OF METAL JUNCTION FORMED WITH PURE AND POLYANILINE-BLENDED POLY(SCHIFF BASE) POLYMER. <i>Surface Review and Letters</i> , 2019, 26, 1950072.	1.1	0
28	THE KINETICS OF THE AS GROWN AND ANNEALED SELF-ASSEMBLED MONOLAYER STUDIED BY FORCE SPECTROSCOPY. <i>Surface Review and Letters</i> , 2018, 25, 1850054.	1.1	0
29	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
30	The adverse role of excess negative ions in reducing the photoluminescence from water soluble CdSe/ZnS quantum dots in various phosphate buffers. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 29446-29451.	2.8	4
31	Surface plasmon mediated optical properties of ZnO/Au/TiO ₂ nanoheterostructure rod arrays. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2018, 231, 32-39.	3.5	10
32	Rhenium dichalcogenides (ReX ₂ , X = S or Se): an emerging class of TMDs family. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1917-1932.	5.9	51
33	Efficient seed-mediated method for the large-scale synthesis of Au nanorods. <i>Journal of Nanoparticle Research</i> , 2017, 19, 115.	1.9	19
34	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
35	The effect of varied pH environment on the optical efficiency of ZnS nanowires and CdSe/ZnS quantum dots as biomarkers. , 2017, , .		0
36	SPR immunosensor for the detection of Staphylococcus aureus. , 2016, , .		1

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37	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
38	Modified structural and optical characteristics of Au-NPs@MWCNTs nanohybrids. Superlattices and Microstructures, 2015, 81, 248-264.	3.1	15
39	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
40	Effects of Mg doping on optical and CO gas sensing properties of sensitive ZnO nanobelts. CrystEngComm, 2014, 16, 6080-6088.	2.6	52
41	Influence of different metal over-layers on the electrical behaviour of the MIS Schottky diodes. International Journal of Electronics, 2013, 100, 1228-1239.	1.4	4
42	Synthesis of ZnO Nanostructures for Low Temperature CO and UV Sensing. Sensors, 2012, 12, 13842-13851.	3.8	31
43	The effect of annealing on the room temperature ferromagnetism in co-sputtered In ₂ O ₃ : C thin films. Journal of Magnetism and Magnetic Materials, 2011, 323, 2841-2845.	2.3	6
44	Morphology tuned ZnS nanostructures for hydrogen gas sensing. Journal of Materials Science: Materials in Electronics, 2011, 22, 1772-1777.	2.2	12
45	Effect of annealing on the magnetic properties of Cu-capped ultrathin Co films. Journal of Magnetism and Magnetic Materials, 2011, 323, 340-345.	2.3	6
46	Comparison of E. coli detection in single and bi-metal clad waveguide biosensors. Sensors and Actuators A: Physical, 2011, 168, 101-104.	4.1	4
47	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
48	An insight into the high temperature performance of SiC bipolar junction transistor. , 2009, , .		1
49	Assessment of environmental gamma dose in northern Rechna Doab in Pakistan. Nuclear Technology and Radiation Protection, 2009, 24, 56-60.	0.8	7