

# Muhammad Arshad Kamran

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

477  
citations

933447

10  
h-index

677142

22  
g-index

35  
all docs

35  
docs citations

35  
times ranked

618  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Al doping on Photoluminescence and Conductivity of 1D CdS Nanobelts synthesized by CVD for Optoelectronic Applications. <i>Journal of Science: Advanced Materials and Devices</i> , 2022, , 100464.	3.1	0
2	Tunable emission in ferromagnetic CdS:Dy <sup>3+</sup> nanostructures for optoelectronic and spintronic applications. <i>Physica B: Condensed Matter</i> , 2021, 613, 412894.	2.7	0
3	Enhancement in the mobility of solution processable polymer based FET by incorporating graphene interlayer. <i>Superlattices and Microstructures</i> , 2020, 137, 106331.	3.1	8
4	Gallium vacancies role in hydrogen storage of single-crystalline GaN hexagonal micro-sheets. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 4731-4742.	7.1	18
5	Substitutional site effects of Cr(II) ions on optical and magnetic properties of 1D CdS semiconductor nanoneedles for optoelectronic and spintronic applications. <i>Inorganic Chemistry Communication</i> , 2020, 121, 108224.	3.9	2
6	Revealing the optoelectronic properties of Re-based double perovskites using the Tran-Blaha modified Becke-Johnson with density functional theory. <i>Journal of Molecular Modeling</i> , 2020, 26, 158.	1.8	9
7	A first-principles investigation on electronic, optical and thermoelectric properties of $\text{La}_2\text{Pd}_2\text{O}_5$ compound. <i>Bulletin of Materials Science</i> , 2020, 43, 1.	1.7	1
8	Activation of infrared emission in (iodine, nickel) Co-Doped CdS nanobelts for solar cells and optoelectronic applications. <i>Physica B: Condensed Matter</i> , 2020, 594, 412328.	2.7	1
9	Stimuli-responsive fluorescent hyperbranched poly(amido amine)s for biosensing applications. <i>European Polymer Journal</i> , 2020, 124, 109486.	5.4	11
10	Electronic structure and optical properties of TaNO: An ab initio study. <i>Journal of Molecular Graphics and Modelling</i> , 2019, 92, 296-302.	2.4	15
11	Enhanced photoresponse and surface charge transfer mechanism of graphene-tungsten disulfide heterojunction. <i>Optical Materials</i> , 2019, 98, 109426.	3.6	1
12	Single-channel dual tunable emission in the visible and near-infrared region using aggregations of Mn(II) ions in an individual Mn-doped CdS nanosheet. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 132, 197-203.	4.0	2
13	Mn(II) Ions Assisted Near-Infrared Single-Mode Lasing from an Individual Mn-Doped CdS Nanobelts. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 4172-4177.	0.9	2
14	Formation of an MoTe <sub>2</sub> based Schottky junction employing ultra-low and high resistive metal contacts. <i>RSC Advances</i> , 2019, 9, 10017-10023.	3.6	27
15	Dual-Color Lasing Lines from EMPs in Diluted Magnetic Semiconductor CdS:Nil Structure. <i>Research</i> , 2019, 2019, 6956937.	5.7	17
16	Novel low-temperature synthesis and optical properties of 1D-ZnTe nanowires. <i>Journal of Science: Advanced Materials and Devices</i> , 2018, 3, 226-229.	3.1	7
17	Role of Ni <sup>2+</sup> (d <sup>8</sup> ) ions in electrical, optical and magnetic properties of CdS nanowires for optoelectronic and spintronic applications. <i>Nanotechnology</i> , 2018, 29, 265602.	2.6	8
18	'Corrigendum: Role of Ni <sup>2+</sup> (d <sup>8</sup> ) ions in electrical, optical and magnetic properties of CdS nanowires for optoelectronic and spintronic applications (2018 Nanotechnology 29 265602)'. <i>Nanotechnology</i> , 2018, , .	2.6	0

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19	The aggregation of Mn <sup>2+</sup> , its d-d transition in CdS:Mn(II) nanobelts and bound magnetic polaron formation at room temperature. <i>Nanotechnology</i> , 2018, 29, 435702.	2.6	7
20	Novel Cd-CdS micro/nano heterostructures: Synthesis and luminescence properties. <i>Optical Materials</i> , 2017, 73, 527-534.	3.6	10
21	Large tunable luminescence by Mn(II) aggregates in Mn-doped ZnS nanobelts. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8749-8757.	5.5	36
22	Tunable emission and conductivity enhancement by tellurium doping in CdS nanowires for optoelectronic applications. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017, 86, 81-87.	2.7	10
23	Synthesis and Photoluminescence of Single-Crystalline Fe(III)-Doped CdS Nanobelts. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 4086-4093.	0.9	2
24	Bosonic Lasing from Collective Exciton Magnetic Polarons in Diluted Magnetic Nanowires and Nanobelts. <i>ACS Photonics</i> , 2016, 3, 1809-1817.	6.6	48
25	Tailoring the electrical and photo-electrical properties of a WS <sub>2</sub> field effect transistor by selective n-type chemical doping. <i>RSC Advances</i> , 2016, 6, 24675-24682.	3.6	40
26	Morphology-Controlled Synthesis of Single Crystalline Mn <sub>2</sub> O <sub>3</sub> Sea-Urchins Assembled with Pen-Type Nanoneedles and Broad Absorption Spectrum. <i>Journal of Nano Research</i> , 2015, 33, 38-48.	0.8	2
27	Synthesis of Novel Sea-Urchin-Like CdS and Their Optical Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 4435-4441.	0.9	6
28	The length controllable synthesis and near-infrared photoluminescence of one-dimensional ternary Cu <sub>4</sub> Bi <sub>4</sub> S <sub>9</sub> semiconductor nanobelts. <i>Materials Research Bulletin</i> , 2014, 49, 180-186.	5.2	5
29	Tunable emission properties by ferromagnetic coupling Mn(II) aggregates in Mn-doped CdS microbelts/nanowires. <i>Nanotechnology</i> , 2014, 25, 385201.	2.6	57
30	Photoluminescence and Magnetic Properties of Mn-Doped ZnS Nanobelts. <i>Nanoscience and Nanotechnology Letters</i> , 2014, 6, 706-710.	0.4	11
31	Large-Scale Synthesis of Highly Pure Novel Cadmium Semi-Spheres and Their Anomalous Optical Properties. <i>Science of Advanced Materials</i> , 2014, 6, 2666-2672.	0.7	2
32	Near Infrared Emission Band and Origin in Ni(II)-Doped CdS Nanoribbons by CVD Technique. <i>Journal of Physical Chemistry C</i> , 2013, 117, 17777-17785.	3.1	52
33	Group delay of single-photon transmission in a waveguide side coupled with a Jaynes-Cummings chain. <i>Journal of Applied Physics</i> , 2013, 113, 143105.	2.5	10
34	Single-Step Synthesis of Monolithic Comb-like CdS Nanostructures with Tunable Waveguide Properties. <i>Nano Letters</i> , 2013, 13, 2997-3001.	9.1	47
35	Tailoring of optical modes of semiconductor microcavities via metal and dielectric gratings. <i>Optics Letters</i> , 2012, 37, 5085.	3.3	3