

# Qasim Khan

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

1,811  
citations

331670

21  
h-index

361022

35  
g-index

42  
all docs

42  
docs citations

42  
times ranked

3069  
citing authors

#	ARTICLE	IF	CITATIONS
1	Broadband Photodetectors Based on Graphene <sup>2</sup> /Te <sup>3</sup> Heterostructure. ACS Nano, 2015, 9, 1886-1894.	14.6	338
2	Recent Progress of Two-Dimensional Thermoelectric Materials. Nano-Micro Letters, 2020, 12, 36.	27.0	218
3	Surface Plasmonic-Assisted Photocatalysis and Optoelectronic Devices with Noble Metal Nanocrystals: Design, Synthesis, and Applications. Advanced Functional Materials, 2020, 30, 1906744.	14.9	186
4	Size Tunable ZnO Nanoparticles To Enhance Electron Injection in Solution Processed QLEDs. ACS Photonics, 2016, 3, 215-222.	6.6	159
5	Partial discharge detection and diagnosis in gas insulated switchgear: State of the art. IEEE Electrical Insulation Magazine, 2019, 35, 16-33.	0.8	98
6	Going green with batteries and supercapacitor: Two dimensional materials and their nanocomposites based energy storage applications. Progress in Solid State Chemistry, 2020, 58, 100254.	7.2	87
7	PIN Diodes Array Made of Perovskite Single Crystal for X-Ray Imaging. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800380.	2.4	63
8	Surface plasmon-enhanced quantum dot light-emitting diodes by incorporating gold nanoparticles. Optics Express, 2016, 24, A33.	3.4	55
9	Two-Dimensional Platinum Diselenide: Synthesis, Emerging Applications, and Future Challenges. Nano-Micro Letters, 2020, 12, 174.	27.0	50
10	Structure optimization of perovskite quantum dot light-emitting diodes. Nanoscale, 2019, 11, 5021-5029.	5.6	48
11	Interfacial Energy-Level Alignment for High-Performance All-Inorganic Perovskite CsPbBr <sub>3</sub> Quantum Dot-Based Inverted Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2018, 10, 13236-13243.	8.0	44
12	Flexible quantum dot light emitting diodes based on ZnO nanoparticles. RSC Advances, 2015, 5, 82192-82198.	3.6	41
13	Evolution of low-dimensional material-based field-effect transistors. Nanoscale, 2021, 13, 5162-5186.	5.6	39
14	Fe-doped mayenite electride composite with 2D reduced Graphene Oxide: As a non-platinum based, highly durable electrocatalyst for Oxygen Reduction Reaction. Scientific Reports, 2019, 9, 19809.	3.3	38
15	Novel Two-Dimensional Carbon-Chromium Nitride-Based Composite as an Electrocatalyst for Oxygen Reduction Reaction. Frontiers in Chemistry, 2019, 7, 738.	3.6	34
16	Luminescence properties and energy transfer in Ce <sup>3+</sup> /Tb <sup>3+</sup> -doped Y <sub>5</sub> Si <sub>3</sub> O <sub>12</sub> N oxynitride phosphors. Dyes and Pigments, 2019, 160, 675-682.	3.7	31
17	Synthesis and optical applications of low dimensional metal-halide perovskites. Nanotechnology, 2020, 31, 152002.	2.6	31
18	Overcoming the Electroluminescence Efficiency Limitations in Quantum-Dot Light-Emitting Diodes. Advanced Optical Materials, 2019, 7, 1900695.	7.3	26

#	ARTICLE	IF	CITATIONS
19	Superior Magnetoresistance Performance of Hybrid Graphene Foam/Metal Sulfide Nanocrystal Devices. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 19397-19403.	8.0	26
20	Continuous graphene and carbon nanotube based high flexible and transparent pressure sensor arrays. <i>Nanotechnology</i> , 2015, 26, 115501.	2.6	25
21	Defect-induced, temperature-independent, tunable magnetoresistance of partially fluorinated graphene foam. <i>Carbon</i> , 2019, 143, 179-188.	10.3	25
22	Performance improvement for printed indium gallium zinc oxide thin-film transistors with a preheating process. <i>RSC Advances</i> , 2016, 6, 41439-41446.	3.6	20
23	Asymmetrical Photodetection Response of Methylammonium Lead Bromide Perovskite Single Crystal. <i>Crystal Research and Technology</i> , 2017, 52, 1700115.	1.3	15
24	Large magnetotransport properties in mixed-dimensional van der Waals heterostructures of graphene foam. <i>Carbon</i> , 2020, 159, 648-655.	10.3	15
25	Ab-initio characterization of B4C3 monolayer as a toxic gases sensing material. <i>Applied Surface Science</i> , 2021, 544, 148877.	6.1	14
26	Differential and comparative sensing modes of AIS and AIS@ZnS core-shell quantum dots towards bioanalytes. <i>Journal of Alloys and Compounds</i> , 2019, 811, 151688.	5.5	11
27	Engineering Architecture of Quantum Dot-Based Light-Emitting Diode for High Device Performance with Double-Sided Emission Fabricated by Nonvacuum Technique. <i>ACS Applied Electronic Materials</i> , 2020, 2, 2383-2389.	4.3	11
28	Stable electron field emission from carbon nanotubes emitter transferred on graphene films. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015, 72, 84-88.	2.7	9
29	Life-Cycle Assessment of Ginkgo-Wood Three-Dimensional Membrane for Wastewater Treatment. <i>ACS Omega</i> , 2020, 5, 4900-4906.	3.5	9
30	Stable and high performance all-inorganic perovskite light-emitting diodes with anti-solvent treatment. <i>Chinese Optics Letters</i> , 2021, 19, 030005.	2.9	9
31	A Low Power Consumption and Transient Nonvolatile Memory Based on Highly Dense All-Inorganic Perovskite Films. <i>Advanced Electronic Materials</i> , 0, , 2101412.	5.1	5
32	A new 2D Si3X(X=S, O) direct band gap semiconductor with anisotropic carrier mobility. <i>Surface Science</i> , 2021, 704, 121736.	1.9	4
33	Ab-initio study of molybdenum carbide (Mo2C) as an adsorption-based filter. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2021, 392, 127119.	2.1	4
34	Highly Stable Inverted CdSe/ZnS-Based Light-Emitting Diodes by Nonvacuum Technique ZTO as the Electron-Transport Layer. <i>Electronics (Switzerland)</i> , 2021, 10, 2290.	3.1	4
35	Solution-Processed Vertical Field-Effect Transistor with Separated Charge Generation and Charge Transport Layers for High-Performance Near-Infrared Photodetection. <i>ACS Applied Electronic Materials</i> , 2020, 2, 3871-3879.	4.3	3
36	Partial Discharge Signal Propagation in T-Structured GIS. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
37	80â€³: Research on ZnOâ€MgO QDs and its Application in QLED. Digest of Technical Papers SID International Symposium, 2018, 49, 1084-1087.	0.3	0
38	Correction to â€œLife-Cycle Assessment of Ginkgo-Wood Three-Dimensional Membrane for Wastewater Treatmentâ€• ACS Omega, 2020, 5, 27733-27733.	3.5	0
39	Double-sided Emission of Inverted Quantum-dot Light Emitting Diode by Using Gold Nanowires (AuNW). , 2022, , .		0
40	Anti-solvent treatment of all Inorganic Perovskite CsPbBr3 Quantum Dot-Based Inverted Light Emitting Diodes. , 2022, , .		0