

Qasim Khan

List of Publications by Year in descending order

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40
papers

1,811
citations

331670

21
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361022

35
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42
all docs

42
docs citations

42
times ranked

3069
citing authors

#	ARTICLE	IF	CITATIONS
1	Double-sided Emission of Inverted Quantum-dot Light Emitting Diode by Using Gold Nanowires (AuNW). , 2022, , .		0
2	Anti-solvent treatment of all Inorganic Perovskite CsPbBr ₃ Quantum Dot-Based Inverted Light Emitting Diodes. , 2022, , .		0
3	A new 2D Si ₃ X(X=S, O) direct band gap semiconductor with anisotropic carrier mobility. Surface Science, 2021, 704, 121736.	1.9	4
4	Stable and high performance all-inorganic perovskite light-emitting diodes with anti-solvent treatment. Chinese Optics Letters, 2021, 19, 030005.	2.9	9
5	Evolution of low-dimensional material-based field-effect transistors. Nanoscale, 2021, 13, 5162-5186.	5.6	39
6	Ab-initio study of molybdenum carbide (Mo ₂ C) as an adsorption-based filter. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 392, 127119.	2.1	4
7	Ab-initio characterization of B ₄ C ₃ monolayer as a toxic gases sensing material. Applied Surface Science, 2021, 544, 148877.	6.1	14
8	Highly Stable Inverted CdSe/ZnS-Based Light-Emitting Diodes by Nonvacuum Technique ZTO as the Electron-Transport Layer. Electronics (Switzerland), 2021, 10, 2290.	3.1	4
9	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
10	Large magnetotransport properties in mixed-dimensional van der Waals heterostructures of graphene foam. Carbon, 2020, 159, 648-655.	10.3	15
11	Surface Plasmonic-Assisted Photocatalysis and Optoelectronic Devices with Noble Metal Nanocrystals: Design, Synthesis, and Applications. Advanced Functional Materials, 2020, 30, 1906744.	14.9	186
12	Synthesis and optical applications of low dimensional metal-halide perovskites. Nanotechnology, 2020, 31, 152002.	2.6	31
13	Engineering Architecture of Quantum Dot-Based Light-Emitting Diode for High Device Performance with Double-Sided Emission Fabricated by Nonvacuum Technique. ACS Applied Electronic Materials, 2020, 2, 2383-2389.	4.3	11
14	Two-Dimensional Platinum Diselenide: Synthesis, Emerging Applications, and Future Challenges. Nano-Micro Letters, 2020, 12, 174.	27.0	50
15	Solution-Processed Vertical Field-Effect Transistor with Separated Charge Generation and Charge Transport Layers for High-Performance Near-Infrared Photodetection. ACS Applied Electronic Materials, 2020, 2, 3871-3879.	4.3	3
16	Life-Cycle Assessment of Gingko-Wood Three-Dimensional Membrane for Wastewater Treatment. ACS Omega, 2020, 5, 4900-4906.	3.5	9
17	Recent Progress of Two-Dimensional Thermoelectric Materials. Nano-Micro Letters, 2020, 12, 36.	27.0	218
18	Correction to "Life-Cycle Assessment of Gingko-Wood Three-Dimensional Membrane for Wastewater Treatment". ACS Omega, 2020, 5, 27733-27733.	3.5	0

#	ARTICLE	IF	CITATIONS
19	Overcoming the Electroluminescence Efficiency Limitations in Quantum Dot Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2019, 7, 1900695.	7.3	26
20	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
21	Partial discharge detection and diagnosis in gas insulated switchgear: State of the art. <i>IEEE Electrical Insulation Magazine</i> , 2019, 35, 16-33.	0.8	98
22	Superior Magnetoresistance Performance of Hybrid Graphene Foam/Metal Sulfide Nanocrystal Devices. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 19397-19403.	8.0	26
23	Structure optimization of perovskite quantum dot light-emitting diodes. <i>Nanoscale</i> , 2019, 11, 5021-5029.	5.6	48
24	Partial Discharge Signal Propagation in T-Structured GIS. , 2019, , .		2
25	Novel Two-Dimensional Carbon-Chromium Nitride-Based Composite as an Electrocatalyst for Oxygen Reduction Reaction. <i>Frontiers in Chemistry</i> , 2019, 7, 738.	3.6	34
26	Fe-doped mayenite electride composite with 2D reduced Graphene Oxide: As a non-platinum based, highly durable electrocatalyst for Oxygen Reduction Reaction. <i>Scientific Reports</i> , 2019, 9, 19809.	3.3	38
27	Luminescence properties and energy transfer in Ce ³⁺ /Tb ³⁺ -doped Y ₅ Si ₃ O ₁₂ N oxynitride phosphors. <i>Dyes and Pigments</i> , 2019, 160, 675-682.	3.7	31
28	Defect-induced, temperature-independent, tunable magnetoresistance of partially fluorinated graphene foam. <i>Carbon</i> , 2019, 143, 179-188.	10.3	25
29	Interfacial Energy-Level Alignment for High-Performance All-Inorganic Perovskite CsPbBr ₃ Quantum Dot-Based Inverted Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 13236-13243.	8.0	44
30	PIN Diodes Array Made of Perovskite Single Crystal for X-Ray Imaging. <i>Physica Status Solidi - Rapid Research Letters</i> , 2018, 12, 1800380.	2.4	63
31	80 th : Research on Zn-MgO QDs and its Application in QLED. <i>Digest of Technical Papers SID International Symposium</i> , 2018, 49, 1084-1087.	0.3	0
32	Asymmetrical Photodetection Response of Methylammonium Lead Bromide Perovskite Single Crystal. <i>Crystal Research and Technology</i> , 2017, 52, 1700115.	1.3	15
33	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
34	Size Tunable ZnO Nanoparticles To Enhance Electron Injection in Solution Processed QLEDs. <i>ACS Photonics</i> , 2016, 3, 215-222.	6.6	159
35	Surface plasmon-enhanced quantum dot light-emitting diodes by incorporating gold nanoparticles. <i>Optics Express</i> , 2016, 24, A33.	3.4	55
36	Broadband Photodetectors Based on Graphene-Bi ₂ Te ₃ Heterostructure. <i>ACS Nano</i> , 2015, 9, 1886-1894.	14.6	338

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37	Continuous graphene and carbon nanotube based high flexible and transparent pressure sensor arrays. <i>Nanotechnology</i> , 2015, 26, 115501.	2.6	25
38	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
39	Flexible quantum dot light emitting diodes based on ZnO nanoparticles. <i>RSC Advances</i> , 2015, 5, 82192-82198.	3.6	41
40	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