

Ghulam Abbas

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

402
citations

840776

11
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940533

16
g-index

18
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18
docs citations

18
times ranked

274
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure inversion asymmetry enhanced electronic structure and electrical transport in 2D A ₃ SnO (A = Ca, Sr, and Ba) anti-perovskite monolayers. <i>Nano Research</i> , 2023, 16, 1779-1791.	10.4	10
2	Accurate first-principles evaluation of structural, electronic, optical and photocatalytic properties of BaHfO ₃ and SrHfO ₃ perovskites. <i>Journal of Alloys and Compounds</i> , 2022, 892, 162071.	5.5	10
3	Significance of Flexible Substrates for Wearable and Implantable Devices: Recent Advances and Perspectives. <i>Advanced Materials Technologies</i> , 2022, 7, .	5.8	81
4	Realizing High Thermoelectric Performance in p-Type SnSe Crystals via Convergence of Multiple Electronic Valence Bands. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 4091-4099.	8.0	8
5	A smart flexible supercapacitor enabled by a transparent electrochromic electrode composed of W ₁₈ O ₄₉ nanowires/rGO composite films. <i>Journal of Materials Chemistry A</i> , 2022, 10, 4870-4880.	10.3	26
6	Temperature Modulating Fermi Level Pinning in 2D GeSe for High-Performance Transistor. <i>Advanced Electronic Materials</i> , 2022, 8, .	5.1	12
7	Self-Driven High Performance Broadband Photodetector Based on SnSe/InSe van der Waals Heterojunction. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	16
8	Evolution of low-dimensional material-based field-effect transistors. <i>Nanoscale</i> , 2021, 13, 5162-5186.	5.6	39
9	Revisiting the structural, electronic and photocatalytic properties of Ti and Zr based perovskites with meta-GGA functionals of DFT. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4862-4876.	5.5	35
10	Recent advances in the development of nanomedicines for the treatment of ischemic stroke. <i>Bioactive Materials</i> , 2021, 6, 2854-2869.	15.6	41
11	A High-Performance Flexible Broadband Photodetector Based on Graphene-PTAA-Perovskite Heterojunctions. <i>Advanced Electronic Materials</i> , 2021, 7, 2000522.	5.1	24
12	Recent Advances in Twisted Structures of Flatland Materials and Crafting Moiré Superlattices. <i>Advanced Functional Materials</i> , 2020, 30, 2000878.	14.9	41
13	Two-dimensional B3P monolayer as a superior anode material for Li and Na ion batteries: a first-principles study. <i>Materials Today Energy</i> , 2020, 17, 100486.	4.7	15
14	Theoretical investigation of thermodynamic and optoelectronic properties of Ce ⁴⁺ doped SrZrO ₃ ceramics: A DFT study. <i>Ceramics International</i> , 2019, 45, 18281-18290.	4.8	9
15	Density Functional Theory Evaluation of Ceramics Suitable for Hybrid Advanced Oxidation Processes: A Case Study for Ce ⁴⁺ -Doped BaZrO ₃ . <i>Journal of Physical Chemistry C</i> , 2019, 123, 6044-6053.	3.1	27
16	Obtaining Intrinsically Occupied Free-Space Superatom States in an Encapsulated Ca ₂ N Nanotube. <i>ACS Omega</i> , 2018, 3, 11966-11971.	3.5	3
17	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