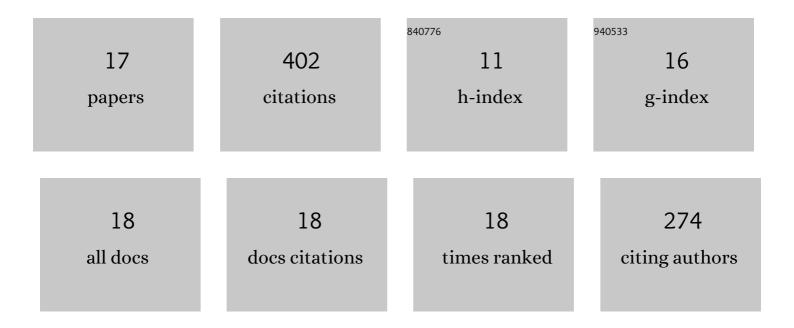
Ghulam Abbas

List of Publications by Year in descending order

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CHULAM ARRAS

#	Article	IF	CITATIONS
1	Significance of Flexible Substrates for Wearable and Implantable Devices: Recent Advances and Perspectives. Advanced Materials Technologies, 2022, 7, .	5.8	81
2	Recent Advances in Twisted Structures of Flatland Materials and Crafting Moiré Superlattices. Advanced Functional Materials, 2020, 30, 2000878.	14.9	41
3	Recent advances in the development of nanomedicines for the treatment of ischemic stroke. Bioactive Materials, 2021, 6, 2854-2869.	15.6	41
4	Evolution of low-dimensional material-based field-effect transistors. Nanoscale, 2021, 13, 5162-5186.	5.6	39
5	Revisiting the structural, electronic and photocatalytic properties of Ti and Zr based perovskites with meta-GGA functionals of DFT. Journal of Materials Chemistry C, 2021, 9, 4862-4876.	5.5	35
6	Density Functional Theory Evaluation of Ceramics Suitable for Hybrid Advanced Oxidation Processes: A Case Study for Ce ⁴⁺ -Doped BaZrO ₃ . Journal of Physical Chemistry C, 2019, 123, 6044-6053.	3.1	27
7	A smart flexible supercapacitor enabled by a transparent electrochromic electrode composed of W ₁₈ O ₄₉ nanowires/rGO composite films. Journal of Materials Chemistry A, 2022, 10, 4870-4880.	10.3	26
8	A Highâ€Performance Flexible Broadband Photodetector Based on Graphene–PTAA–Perovskite Heterojunctions. Advanced Electronic Materials, 2021, 7, 2000522.	5.1	24
9	Selfâ€Driven High Performance Broadband Photodetector Based on SnSe/InSe van der Waals Heterojunction. Advanced Materials Interfaces, 2022, 9, .	3.7	16
10	Two-dimensional B3P monolayer as a superior anode material for Li and Na ion batteries: a first-principles study. Materials Today Energy, 2020, 17, 100486.	4.7	15
11	Temperature Modulating Fermi Level Pinning in 2D GeSe for Highâ€Performance Transistor. Advanced Electronic Materials, 2022, 8, .	5.1	12
12	Accurate first-principles evaluation of structural, electronic, optical and photocatalytic properties of BaHfO3 and SrHfO3 perovskites. Journal of Alloys and Compounds, 2022, 892, 162071.	5.5	10
13	Structure inversion asymmetry enhanced electronic structure and electrical transport in 2D A3SnO (A = Ca, Sr, and Ba) anti-perovskite monolayers. Nano Research, 2023, 16, 1779-1791.	10.4	10
14	Theoretical investigation of thermodynamic and optoelectronic properties of Ce4+ doped SrZrO3 ceramics: A DFT study. Ceramics International, 2019, 45, 18281-18290.	4.8	9
15	Realizing High Thermoelectric Performance in p-Type SnSe Crystals via Convergence of Multiple Electronic Valence Bands. ACS Applied Materials & Interfaces, 2022, 14, 4091-4099.	8.0	8
16	A Low Powerâ€consumption and Transient Nonvolatile Memory Based on Highly Dense Allâ€Inorganic Perovskite Films. Advanced Electronic Materials, 0, , 2101412.	5.1	5
17	Obtaining Intrinsically Occupied Free-Space Superatom States in an Encapsulated Ca2N Nanotube. ACS Omega, 2018, 3, 11966-11971.	3.5	3