

Umer Younis

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

12 papers	109 citations	8 h-index	10 g-index
13 ext. papers	177 ext. citations	6.4 avg, IF	3.23 L-index

#	Paper	IF	Citations
12	Borophene-Based Three-Dimensional Porous Structures as Anode Materials for Alkali Metal-Ion Batteries with Ultrahigh Capacity. <i>Chemistry of Materials</i> , 2021 , 33, 2976-2983	9.6	7
11	Two-dimensional metallic pentadiamond as anode material for Li-/Na-/K-ion batteries with high performance. <i>Materials Today Energy</i> , 2021 , 20, 100664	7	3
10	Triphenylene and tetracene based porous sheet: Stability and electronic properties. <i>Computational Materials Science</i> , 2020 , 176, 109529	3.2	2
9	Graphdiyne-Based Monolayers as Promising Anchoring Materials for LithiumSulfur Batteries: A Theoretical Study. <i>Advanced Theory and Simulations</i> , 2020 , 3, 1900236	3.5	13
8	Design of tetracene-based metallic 2D carbon materials for Na- and K-Ion batteries. <i>Applied Surface Science</i> , 2020 , 521, 146456	6.7	16
7	Three-dimensional porous borocarbonitride BC ₂ N with negative Poisson's ratio. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 15771-15777	7.1	3
6	A stable metallic 3D porous BPC ₂ as a universal anode material for Li, Na, and K ion batteries with high performance. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 25824-25830	13	8
5	Improvement of the interfacial contact between zinc oxide and a mixed cation perovskite using carbon nanotubes for ambient-air-processed perovskite solar cells. <i>New Journal of Chemistry</i> , 2020 , 44, 19802-19811	3.6	19
4	Three-dimensional porous phosphorus-graphdiyne as a universal anode material for both K- and Ca-ion batteries with high performance. <i>Journal of Power Sources</i> , 2020 , 480, 228876	8.9	13
3	Assembling SiBN nanoribbons into a 3D porous structure as a universal anode material for both Li- and Na-ion batteries with high performance. <i>Nanoscale</i> , 2020 , 12, 19367-19374	7.7	8
2	Tuning the Properties of Tetracene-Based Nanoribbons by Fluorination and N-Doping. <i>ChemPhysChem</i> , 2019 , 20, 2799-2805	3.2	8
1	A BN analog of two-dimensional triphenylene-graphdiyne: stability and properties. <i>Nanoscale</i> , 2019 , 11, 9000-9007	7.7	8