Usman Khan

List of Publications by Year
in descending order

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15	1,106	623699 14	996954 15
papers	citations	h-index	g-index

15	15	15	1587
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Morphology and surface chemistry engineering toward pH-universal catalysts for hydrogen evolution at high current density. Nature Communications, 2019, 10, 269.	12.8	431
2	Controlled Vaporâ€“Solid Deposition of Millimeterâ€Size Single Crystal 2D Bi₂O₂Se for Highâ€Performance Phototransistors. Advanced Functional Materials, 2019, 29, 1807979.	14.9	143
3	Temperature-Dependent Magnetic Response of Antiferromagnetic Doping in Cobalt Ferrite Nanostructures. Nanomaterials, 2016, 6, 73.	4.1	65
4	A comprehensive review on synthesis of pristine and doped inorganic room temperature stable mayenite electride, [Ca24Al28O64]4+(eâ^')4 and its applications as a catalyst. Progress in Solid State Chemistry, 2019, 54, 1-19.	7.2	63
5	Programmable Spin Logic Based on Spin Hall Effect in a Single Device. Advanced Electronic Materials, 2017, 3, 1600282.	5.1	59
6	Facile synthesis of tin-doped mayenite electride composite as a non-noble metal durable electrocatalyst for oxygen reduction reaction (ORR). Dalton Transactions, 2018, 47, 13498-13506.	3.3	56
7	Sandwiching h-BN Monolayer Films between Sulfonated Poly(ether ether ketone) and Nafion for Proton Exchange Membranes with Improved Ion Selectivity. ACS Nano, 2019, 13, 2094-2102.	14.6	52
8	Facile synthesis of a cationic-doped [Ca₂₄Al₂₈O₆₄]⁴⁺(4e^{â^'}) composite via a rapid citrate solâ€“gel method. Dalton Transactions, 2018, 47, 3819-3830.	3.3	48
9	Facile metal-free reduction-based synthesis of pristine and cation-doped conductive mayenite. RSC Advances, 2018, 8, 24276-24285.	3.6	43
10	Graphene oxide coated graphene foam based chemical sensor. Materials Letters, 2019, 235, 66-70.	2.6	41
11	Highâ€Fidelity Transfer of 2D Bi₂O₂Se and Its Mechanical Properties. Advanced Functional Materials, 2020, 30, 2004960.	14.9	31
12	Catalystâ€Free Growth of Atomically Thin Bi₂O₂Se Nanoribbons for Highâ€Performance Electronics and Optoelectronics. Advanced Functional Materials, 2021, 31, 2101170.	14.9	23
13	Single step synthesis of highly conductive room-temperature stable cation-substituted mayenite electride target and thin film. Scientific Reports, 2019, 9, 4967.	3.3	21
14	Transfer-Free Growth of Bi₂O₂Se on Silicon Dioxide via Chemical Vapor Deposition. ACS Applied Electronic Materials, 2020, 2, 2123-2131.	4.3	18
15	Structural and Magnetic Response in Bimetallic Core/Shell Magnetic Nanoparticles. Nanomaterials, 2016, 6, 72.	4.1	12