

# Usman Khan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11204947/publications.pdf>

Version: 2024-02-01

15  
papers

1,106  
citations

623734

14  
h-index

996975

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

1587  
citing authors

#	ARTICLE	IF	CITATIONS
1	Morphology and surface chemistry engineering toward pH-universal catalysts for hydrogen evolution at high current density. <i>Nature Communications</i> , 2019, 10, 269.	12.8	431
2	Controlled Vapor-Solid Deposition of Millimeter-Size Single Crystal 2D Bi <sub>2</sub> O <sub>2</sub> Se for High-Performance Phototransistors. <i>Advanced Functional Materials</i> , 2019, 29, 1807979.	14.9	143
3	Temperature-Dependent Magnetic Response of Antiferromagnetic Doping in Cobalt Ferrite Nanostructures. <i>Nanomaterials</i> , 2016, 6, 73.	4.1	65
4	A comprehensive review on synthesis of pristine and doped inorganic room temperature stable mayenite electride, [Ca <sub>24</sub> Al <sub>28</sub> O <sub>64</sub> ] <sup>4+</sup> (e <sup>-</sup> ) <sub>4</sub> and its applications as a catalyst. <i>Progress in Solid State Chemistry</i> , 2019, 54, 1-19.	7.2	63
5	Programmable Spin Logic Based on Spin Hall Effect in a Single Device. <i>Advanced Electronic Materials</i> , 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). <i>Dalton Transactions</i> , 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. <i>ACS Nano</i> , 2019, 13, 2094-2102.	14.6	52
8	Facile synthesis of a cationic-doped [Ca <sub>24</sub> Al <sub>28</sub> O <sub>64</sub> ] <sup>4+</sup> (4e <sup>-</sup> ) composite via a rapid citrate sol-gel method. <i>Dalton Transactions</i> , 2018, 47, 3819-3830.	3.3	48
9	Facile metal-free reduction-based synthesis of pristine and cation-doped conductive mayenite. <i>RSC Advances</i> , 2018, 8, 24276-24285.	3.6	43
10	Graphene oxide coated graphene foam based chemical sensor. <i>Materials Letters</i> , 2019, 235, 66-70.	2.6	41
11	High-Fidelity Transfer of 2D Bi <sub>2</sub> O <sub>2</sub> Se and Its Mechanical Properties. <i>Advanced Functional Materials</i> , 2020, 30, 2004960.	14.9	31
12	Catalyst-Free Growth of Atomically Thin Bi <sub>2</sub> O <sub>2</sub> Se Nanoribbons for High-Performance Electronics and Optoelectronics. <i>Advanced Functional Materials</i> , 2021, 31, 2101170.	14.9	23
13	Single step synthesis of highly conductive room-temperature stable cation-substituted mayenite electride target and thin film. <i>Scientific Reports</i> , 2019, 9, 4967.	3.3	21
14	Transfer-Free Growth of Bi <sub>2</sub> O <sub>2</sub> Se on Silicon Dioxide via Chemical Vapor Deposition. <i>ACS Applied Electronic Materials</i> , 2020, 2, 2123-2131.	4.3	18
15	Structural and Magnetic Response in Bimetallic Core/Shell Magnetic Nanoparticles. <i>Nanomaterials</i> , 2016, 6, 72.	4.1	12