

Muhammad Aslam

List of Publications by Year in descending order

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12
papers

1,157
citations

759233

12
h-index

1199594

12
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all docs

12
docs citations

12
times ranked

1408
citing authors

#	ARTICLE	IF	CITATIONS
1	Confinement in two-dimensional materials: Major advances and challenges in the emerging renewable energy conversion and other applications. <i>Progress in Solid State Chemistry</i> , 2021, 61, 100294.	7.2	24
2	Recent progress, challenges, and prospects in emerging group-VIA Xenes: synthesis, properties and novel applications. <i>Nanoscale</i> , 2021, 13, 510-552.	5.6	23
3	Sensing Applications of Atomically Thin Group IV Carbon Siblings Xenes: Progress, Challenges, and Prospects. <i>Advanced Functional Materials</i> , 2021, 31, 2005957.	14.9	37
4	Going green with batteries and supercapacitor: Two dimensional materials and their nanocomposites based energy storage applications. <i>Progress in Solid State Chemistry</i> , 2020, 58, 100254.	7.2	87
5	Recent developments in emerging two-dimensional materials and their applications. <i>Journal of Materials Chemistry C</i> , 2020, 8, 387-440.	5.5	501
6	Recent Progress, Challenges, and Prospects in Two-Dimensional Photo-Catalyst Materials and Environmental Remediation. <i>Nano-Micro Letters</i> , 2020, 12, 167.	27.0	57
7	Synthesis, properties and novel electrocatalytic applications of the 2D-borophene Xenes. <i>Progress in Solid State Chemistry</i> , 2020, 59, 100283.	7.2	65
8	A comprehensive review on synthesis of pristine and doped inorganic room temperature stable mayenite electride, $[\text{Ca}_{24}\text{Al}_{28}\text{O}_{64}]^{4+}(\text{e}^{-})_4$ and its applications as a catalyst. <i>Progress in Solid State Chemistry</i> , 2019, 54, 1-19.	7.2	63
9	Recent advances in two-dimensional materials and their nanocomposites in sustainable energy conversion applications. <i>Nanoscale</i> , 2019, 11, 21622-21678.	5.6	201
10	Novel Two-Dimensional Carbon-Chromium Nitride-Based Composite as an Electrocatalyst for Oxygen Reduction Reaction. <i>Frontiers in Chemistry</i> , 2019, 7, 738.	3.6	34
11	Fe-doped mayenite electride composite with 2D reduced Graphene Oxide: As a non-platinum based, highly durable electrocatalyst for Oxygen Reduction Reaction. <i>Scientific Reports</i> , 2019, 9, 19809.	3.3	38
12	Facile Synthesis of Mayenite Electride Nanoparticles Encapsulated in Graphitic Shells Like Carbon Nano Onions: Non-noble-metal Electrocatalysts for Oxygen Reduction Reaction (ORR). <i>Frontiers in Chemistry</i> , 2019, 7, 934.	3.6	27