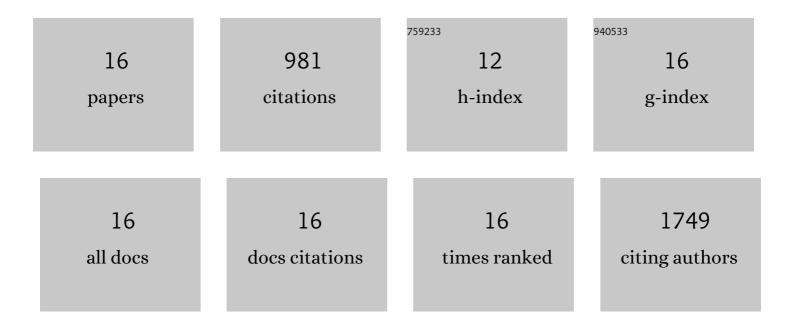
## Hossain, Md Delowar

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Rational Design of Grapheneâ€Supported Single Atom Catalysts for Hydrogen Evolution Reaction. Advanced Energy Materials, 2019, 9, 1803689.	19.5	279
2	Reaction mechanism and kinetics for CO2 reduction on nickel single atom catalysts from quantum mechanics. Nature Communications, 2020, 11, 2256.	12.8	140
3	Synthesis of 2D transition metal dichalcogenides by chemical vapor deposition with controlled layer number and morphology. Nano Convergence, 2018, 5, 26.	12.1	119
4	The Potentiality of Rice Husk-Derived Activated Carbon: From Synthesis to Application. Processes, 2020, 8, 203.	2.8	76
5	Tailoring a Three-Phase Microenvironment for High-Performance Oxygen Reduction Reaction in Proton Exchange Membrane Fuel Cells. Matter, 2020, 3, 1774-1790.	10.0	71
6	Highly Reversible Sodiation/Desodiation from a Carbon-Sandwiched SnS <sub>2</sub> Nanosheet Anode for Sodium Ion Batteries. Nano Letters, 2020, 20, 3844-3851.	9.1	69
7	Selenium Edge as a Selective Anchoring Site for Lithium–Sulfur Batteries with MoSe <sub>2</sub> /Graphene-Based Cathodes. ACS Applied Materials & Interfaces, 2019, 11, 19986-19993.	8.0	67
8	A stretchable, conformable, and biocompatible graphene strain sensor based on a structured hydrogel for clinical application. Journal of Materials Chemistry A, 2019, 7, 27099-27109.	10.3	61
9	Graphitization of low-density amorphous carbon for electrocatalysis electrodes from ReaxFF reactive dynamics. Carbon, 2021, 183, 940-947.	10.3	20
10	New Approach to Unveiling Individual Atomic Layers of 2D Materials and Their Heterostructures. Chemistry of Materials, 2018, 30, 1718-1728.	6.7	19
11	Revealing the mechanism of DNA passing through graphene and boron nitride nanopores. Nanoscale, 2019, 11, 23438-23448.	5.6	15
12	Confinement-Enhanced Rapid Interlayer Diffusion within Graphene-Supported Anisotropic ReSe <sub>2</sub> Electrodes. ACS Applied Materials & Interfaces, 2019, 11, 31147-31154.	8.0	13
13	Modular functionalization of crystalline graphene by recombinant proteins: a nanoplatform for probing biomolecules. Nanoscale, 2018, 10, 22572-22582.	5.6	12
14	Effects of additives on the morphology and stability of PbO2 films electrodeposited on nickel substrate for light weight lead-acid battery application. Journal of Energy Storage, 2020, 27, 101108.	8.1	9
15	Effect of Deposition Parameters on the Morphology and Electrochemical Behavior of Lead Dioxide. Journal of Electrochemical Science and Technology, 2017, 8, 197-205.	2.2	6
16	Tellurium-assisted and space-confined growth of graphene single crystals. Carbon, 2021, 173, 54-60.	10.3	5