Mohammadreza Karamad

List of Publications by Year
in descending order

13 papers	3,796 citations	687220 13 h-index	996849 15 g-index
15 all docs	15 docs citations	15 times ranked	4629 citing authors

#	Article	IF	Citations
1	Electrochemical ammonia synthesis via nitrate reduction on Fe single atom catalyst. Nature Communications, 2021, 12, 2870.	5.8	605
2	Heteroatom-Doped Transition Metal Nitrides for CO Electrochemical Reduction: A Density Functional Theory Screening Study. Journal of Physical Chemistry C, 2020, 124, 26344-26351.	1.5	8
3	Building and identifying highly active oxygenated groups in carbon materials for oxygen reduction to H2O2. Nature Communications, 2020, 11, 2209.	5.8	281
4	Orbital graph convolutional neural network for material property prediction. Physical Review Materials, 2020, 4, .	0.9	64
5	Electrochemical Activation of CO₂ through Atomic Ordering Transformations of AuCu Nanoparticles. Journal of the American Chemical Society, 2017, 139, 8329-8336.	6.6	529
6	Theoretical Investigations into Defected Graphene for Electrochemical Reduction of CO₂. ACS Sustainable Chemistry and Engineering, 2017, 5, 11080-11085.	3.2	93
7	Machine-Learning Methods Enable Exhaustive Searches for Active Bimetallic Facets and Reveal Active Site Motifs for CO₂ Reduction. ACS Catalysis, 2017, 7, 6600-6608.	5.5	300
8	Theoretical Investigations of the Electrochemical Reduction of CO on Single Metal Atoms Embedded in Graphene. ACS Central Science, 2017, 3, 1286-1293.	5.3	54
9	Two-Dimensional Materials as Catalysts for Energy Conversion. Catalysis Letters, 2016, 146, 1917-1921.	1.4	58
10	Mechanistic Pathway in the Electrochemical Reduction of CO2 on RuO2. ACS Catalysis, 2015, 5, 4075-4081.	5.5	123
11	Trends in the Electrochemical Synthesis of H₂O₂: Enhancing Activity and Selectivity by Electrocatalytic Site Engineering. Nano Letters, 2014, 14, 1603-1608.	4.5	521
12	Intermetallic Alloys as CO Electroreduction Catalystsâ€”Role of Isolated Active Sites. ACS Catalysis, 2014, 4, 2268-2273.	5.5	101
13	Enabling direct H2O2 production through rational electrocatalyst design. Nature Materials, 2013, 12, 1137-1143.	13.3	1,031