

# Mohammadreza Karamad

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10567504/publications.pdf>

Version: 2024-02-01

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	Enabling direct H <sub>2</sub> O <sub>2</sub> production through rational electrocatalyst design. Nature Materials, 2013, 12, 1137-1143.	13.3	1,031
2	Electrochemical ammonia synthesis via nitrate reduction on Fe single atom catalyst. Nature Communications, 2021, 12, 2870.	5.8	605
3	Electrochemical Activation of CO <sub>2</sub> through Atomic Ordering Transformations of AuCu Nanoparticles. Journal of the American Chemical Society, 2017, 139, 8329-8336.	6.6	529
4	Trends in the Electrochemical Synthesis of H <sub>2</sub> O <sub>2</sub> : Enhancing Activity and Selectivity by Electrocatalytic Site Engineering. Nano Letters, 2014, 14, 1603-1608.	4.5	521
5	Machine-Learning Methods Enable Exhaustive Searches for Active Bimetallic Facets and Reveal Active Site Motifs for CO <sub>2</sub> Reduction. ACS Catalysis, 2017, 7, 6600-6608.	5.5	300
6	Building and identifying highly active oxygenated groups in carbon materials for oxygen reduction to H <sub>2</sub> O <sub>2</sub> . Nature Communications, 2020, 11, 2209.	5.8	281
7	Mechanistic Pathway in the Electrochemical Reduction of CO <sub>2</sub> on RuO <sub>2</sub> . ACS Catalysis, 2015, 5, 4075-4081.	5.5	123
8	Intermetallic Alloys as CO Electroreduction Catalysts—Role of Isolated Active Sites. ACS Catalysis, 2014, 4, 2268-2273.	5.5	101
9	Theoretical Investigations into Defected Graphene for Electrochemical Reduction of CO <sub>2</sub> . ACS Sustainable Chemistry and Engineering, 2017, 5, 11080-11085.	3.2	93
10	Orbital graph convolutional neural network for material property prediction. Physical Review Materials, 2020, 4, .	0.9	64
11	Two-Dimensional Materials as Catalysts for Energy Conversion. Catalysis Letters, 2016, 146, 1917-1921.	1.4	58
12	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
13	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