

# Xiaomei Shen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6152989/publications.pdf>

Version: 2024-02-01

11  
papers

1,469  
citations

933447

10  
h-index

1281871

11  
g-index

11  
all docs

11  
docs citations

11  
times ranked

1862  
citing authors

#	ARTICLE	IF	CITATIONS
1	Control of Stepwise Hg <sup>2+</sup> Reduction on Gold to Selectively Tune its Peroxidase and Catalase-Like Activities and the Mechanism. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100086.	3.7	13
2	Density Functional Theory Mechanistic Insight into the Peroxidase- and Oxidase-like Activities of Nanoceria. <i>Journal of Physical Chemistry C</i> , 2021, 125, 23098-23104.	3.1	23
3	Accelerated discovery of superoxide-dismutase nanozymes via high-throughput computational screening. <i>Nature Communications</i> , 2021, 12, 6866.	12.8	62
4	Density Functional Theory-Based Method to Predict the Activities of Nanomaterials as Peroxidase Mimics. <i>ACS Catalysis</i> , 2020, 10, 12657-12665.	11.2	92
5	Simultaneous enzyme mimicking and chemical reduction mechanisms for nanoceria as a bio-antioxidant: a catalytic model bridging computations and experiments for nanozymes. <i>Nanoscale</i> , 2019, 11, 13289-13299.	5.6	100
6	Immobilized Ferrous Ion and Glucose Oxidase on Graphdiyne and Its Application on One-Step Glucose Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 2647-2654.	8.0	86
7	Electron Pair Repulsion Responsible for the Peculiar Edge Effects and Surface Chemistry of Black Phosphorus. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 947-953.	4.6	15
8	Differential Pd-nanocrystal facets demonstrate distinct antibacterial activity against Gram-positive and Gram-negative bacteria. <i>Nature Communications</i> , 2018, 9, 129.	12.8	414
9	Improved Description for the Structures of Fullerenols C <sub>60</sub> (OH) <sub>n</sub> (n = 12–48) and C <sub>2v</sub> (9)-C <sub>82</sub> (OH) <sub>x</sub> (x = 1–10). <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 1074-1079.	3.1	10
10	Facet Energy versus Enzyme-like Activities: The Unexpected Protection of Palladium Nanocrystals against Oxidative Damage. <i>ACS Nano</i> , 2016, 10, 10436-10445.	14.6	247
11	Mechanisms of Oxidase and Superoxide Dismutation-like Activities of Gold, Silver, Platinum, and Palladium, and Their Alloys: A General Way to the Activation of Molecular Oxygen. <i>Journal of the American Chemical Society</i> , 2015, 137, 15882-15891.	13.7	407