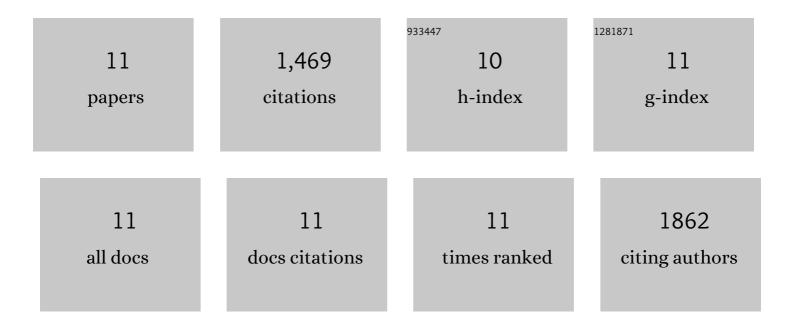
Xiaomei Shen

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6152989/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Differential Pd-nanocrystal facets demonstrate distinct antibacterial activity against Gram-positive and Gram-negative bacteria. Nature Communications, 2018, 9, 129.	12.8	414
2	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. Journal of the American Chemical Society, 2015, 137, 15882-15891.	13.7	407
3	Facet Energy <i>versus</i> Enzyme-like Activities: The Unexpected Protection of Palladium Nanocrystals against Oxidative Damage. ACS Nano, 2016, 10, 10436-10445.	14.6	247
4	Simultaneous enzyme mimicking and chemical reduction mechanisms for nanoceria as a bio-antioxidant: a catalytic model bridging computations and experiments for nanozymes. Nanoscale, 2019, 11, 13289-13299.	5.6	100
5	Density Functional Theory-Based Method to Predict the Activities of Nanomaterials as Peroxidase Mimics. ACS Catalysis, 2020, 10, 12657-12665.	11.2	92
6	Immobilized Ferrous Ion and Glucose Oxidase on Graphdiyne and Its Application on One-Step Glucose Detection. ACS Applied Materials & Interfaces, 2019, 11, 2647-2654.	8.0	86
7	Accelerated discovery of superoxide-dismutase nanozymes via high-throughput computational screening. Nature Communications, 2021, 12, 6866.	12.8	62
8	Density Functional Theory Mechanistic Insight into the Peroxidase- and Oxidase-like Activities of Nanoceria. Journal of Physical Chemistry C, 2021, 125, 23098-23104.	3.1	23
9	Electron Pair Repulsion Responsible for the Peculiar Edge Effects and Surface Chemistry of Black Phosphorus. Journal of Physical Chemistry Letters, 2018, 9, 947-953.	4.6	15
10	Control of Stepwise Hg ²⁺ Reduction on Gold to Selectively Tune its Peroxidase and Catalaseâ€Like Activities and the Mechanism. Advanced Materials Interfaces, 2021, 8, 2100086.	3.7	13
11	Improved Description for the Structures of Fullerenols C60(OH)n (n = 12–48) and C2v(9)-C82(OH)x (x =) Tj E	TQg <u>1</u> 10.7	784314 rgB⊤ 10

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