

Zhen-Zhen Wang

List of Publications by Year in descending order

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16
papers

688
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687220

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826
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#	ARTICLE	IF	CITATIONS
1	Multifunctional Graphdiyneâ€‘Cerium Oxide Nanozymes Facilitate MicroRNA Delivery and Attenuate Tumor Hypoxia for Highly Efficient Radiotherapy of Esophageal Cancer. <i>Advanced Materials</i> , 2021, 33, e2100556.	11.1	119
2	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.	2.8	100
3	Hammett Relationship in Oxidaseâ€‘Mimicking Metalâ€‘Organic Frameworks Revealed through a Proteinâ€‘Engineeringâ€‘Inspired Strategy. <i>Advanced Materials</i> , 2021, 33, e2005024.	11.1	85
4	Accelerated discovery of superoxide-dismutase nanozymes via high-throughput computational screening. <i>Nature Communications</i> , 2021, 12, 6866.	5.8	62
5	Twoâ€‘Dimensional Tin Selenide (SnSe) Nanosheets Capable of Mimicking Key Dehydrogenases in Cellular Metabolism. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3618-3623.	7.2	58
6	SO ₃ H-functionalized Brønsted acidic ionic liquids as efficient catalysts for the synthesis of isoamyl salicylate. <i>RSC Advances</i> , 2014, 4, 1-7.	1.7	50
7	A precision structural model for fullereneols. <i>Chemical Science</i> , 2014, 5, 2940-2948.	3.7	43
8	Syntheses, Structures and Antioxidant Activities of Fullereneols: Knowledge Learned at the Atomistic Level. <i>Journal of Cluster Science</i> , 2015, 26, 375-388.	1.7	43
9	Oxidation-induced water-solubilization and chemical functionalization of fullerenes C ₆₀ , Gd@C ₆₀ and Gd@C ₈₂ : atomistic insights into the formation mechanisms and structures of fullereneols synthesized by different methods. <i>Nanoscale</i> , 2015, 7, 2914-2925.	2.8	27
10	Mechanisms of Antioxidant Activities of Fullereneols from First-Principles Calculation. <i>Journal of Physical Chemistry A</i> , 2018, 122, 8183-8190.	1.1	27
11	A highly sensitive SERS-based platform for Zn(II) detection in cellular media. <i>Chemical Communications</i> , 2017, 53, 1797-1800.	2.2	23
12	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.	1.5	23
13	Engineering catalytic dephosphorylation reaction for endotoxin inactivation. <i>Nano Today</i> , 2022, 44, 101456.	6.2	14
14	Twoâ€‘Dimensional Tin Selenide (SnSe) Nanosheets Capable of Mimicking Key Dehydrogenases in Cellular Metabolism. <i>Angewandte Chemie</i> , 2020, 132, 3647-3652.	1.6	8
15	Anti-solvatochromic and highly emissive twisted Dâ€‘A structure with intramolecular hydrogen bond. <i>Materials Chemistry Frontiers</i> , 2022, 6, 512-518.	3.2	4
16	Effect of Aâ€‘Site Cation Ordering on the Electrical and Magnetic Properties of Manganite Films. <i>Physica Status Solidi (B): Basic Research</i> , 2022, 259, .	0.7	2