

Zhen Yang

List of Publications by Year in descending order

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36
papers

380
citations

759055

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h-index

887953

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37
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Auxiliary Circuit Free Maximum Power Efficiency Tracking Scheme for Wireless Motor System With Source-Load Coupling. <i>IEEE Transactions on Industrial Electronics</i> , 2023, 70, 3414-3425.	5.2	5
2	Fluorescent PARP Inhibitors Applied To Intracranial Glioblastoma: Accumulation and Persistence In Vivo. <i>ACS Medicinal Chemistry Letters</i> , 2022, 13, 911-915.	1.3	1
3	All-optical attosecond time domain interferometry. <i>National Science Review</i> , 2021, 8, nwa211.	4.6	12
4	⁶⁴ Cu/ ¹⁷⁷ Lu-DOTA-diZD, a Small-Molecule-Based Theranostic Pair for Triple-Negative Breast Cancer. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 2705-2713.	2.9	5
5	Probing laser-driven bound-state dynamics using attosecond streaking spectroscopy. <i>Physical Review A</i> , 2020, 102, .	1.0	2
6	Perturbed ac Stark Effect for Attosecond Optical-Waveform Sampling. <i>Physical Review Applied</i> , 2020, 13, .	1.5	17
7	Dual Anti-/Prooxidant Behaviors of Flavonoids Pertaining to Cu(II)-Catalyzed Tyrosine Nitration of the Insulin Receptor Kinase Domain in an Antidiabetic Study. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 6202-6211.	2.4	14
8	Structure effect of water-soluble iron porphyrins on catalyzing protein tyrosine nitration in the presence of nitrite and hydrogen peroxide. <i>Nitric Oxide - Biology and Chemistry</i> , 2019, 91, 42-51.	1.2	10
9	Vulnerable Atherosclerotic Plaque Imaging by Small-Molecule High-Affinity Positron Emission Tomography Radiopharmaceutical. <i>Advanced Therapeutics</i> , 2019, 2, 1900005.	1.6	2
10	Carbon Nanotube Facilitated Interface Formation for Enhanced Protein Sensing in Electrosynthesized Molecular Imprinting. <i>ACS Applied Bio Materials</i> , 2019, 2, 4604-4611.	2.3	3
11	Single-Molecule Force Measurement Guides the Design of Multivalent Ligands with Picomolar Affinity. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5272-5276.	7.2	12
12	Nitration of hIAPP promotes its toxic oligomer formation and exacerbates its toxicity towards INS-1 cells. <i>Nitric Oxide - Biology and Chemistry</i> , 2019, 87, 23-30.	1.2	15
13	Single-Molecule Force Measurement Guides the Design of Multivalent Ligands with Picomolar Affinity. <i>Angewandte Chemie</i> , 2019, 131, 5326-5330.	1.6	3
14	Innentitelbild: Single-Molecule Force Measurement Guides the Design of Multivalent Ligands with Picomolar Affinity (<i>Angew. Chem.</i> 16/2019). <i>Angewandte Chemie</i> , 2019, 131, 5192-5192.	1.6	0
15	Photothermal Heating-Induced Localized Structural Disruption in a Poly- μ -caprolactone Nanocarrier System for Controlled Drug Delivery. <i>ACS Applied Bio Materials</i> , 2019, 2, 464-469.	2.3	4
16	Nitration of amyloid- β peptide (1-42) as a protective mechanism for the amyloid- β peptide (1-42) against copper ion toxicity. <i>Journal of Inorganic Biochemistry</i> , 2019, 190, 15-23.	1.5	15
17	Protein tyrosine nitration: Chemistry and role in diseases. <i>Advances in Molecular Toxicology</i> , 2019, , 109-128.	0.4	3
18	5,10,15,20-Tetrakis(4-sulfonatophenyl)porphyrinato iron(III) chloride (FeTPPS), a peroxynitrite decomposition catalyst, catalyzes protein tyrosine nitration in the presence of hydrogen peroxide and nitrite. <i>Journal of Inorganic Biochemistry</i> , 2018, 183, 9-17.	1.5	7

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19	Study on the detoxification mechanisms to 5,10,15,20-tetrakis (4-sulfonatophenyl) porphyrinato iron(III) chloride (FeTPPS), an efficient pro-oxidant of heme water-soluble analogue. <i>Journal of Inorganic Biochemistry</i> , 2018, 189, 40-52.	1.5	9
20	A zwitterionic near-infrared dye linked TrkC targeting agent for imaging metastatic breast cancer. <i>MedChemComm</i> , 2018, 9, 1754-1760.	3.5	14
21	Targeted Maytansinoid Conjugate Improves Therapeutic Index for Metastatic Breast Cancer Cells. <i>Bioconjugate Chemistry</i> , 2018, 29, 2920-2926.	1.8	8
22	Nitration of Tyrosine Residue Y10 of A β 42 Significantly Inhibits Its Aggregation and Cytotoxicity. <i>Chemical Research in Toxicology</i> , 2017, 30, 1085-1092.	1.7	17
23	Insulin enhances the peroxidase activity of heme by forming heme-insulin complex: Relevance to type 2 diabetes mellitus. <i>International Journal of Biological Macromolecules</i> , 2017, 102, 1009-1015.	3.6	21
24	Interaction of glyceraldehyde-3-phosphate dehydrogenase and heme: The relevance of its biological function. <i>Archives of Biochemistry and Biophysics</i> , 2017, 619, 54-61.	1.4	15
25	Effects of serum albumin on the degradation and cytotoxicity of single-walled carbon nanotubes. <i>Biophysical Chemistry</i> , 2017, 222, 1-6.	1.5	10
26	Hemin-Graphene Derivatives with Increased Peroxidase Activities Restrain Protein Tyrosine Nitration. <i>Chemistry - A European Journal</i> , 2017, 23, 17755-17763.	1.7	8
27	NPY binds with heme to form a NPY-heme complex: enhancing peroxidase activity in free heme and promoting NPY nitration and inactivation. <i>Dalton Transactions</i> , 2017, 46, 10315-10323.	1.6	9
28	Strong Inhibitory Effect of Heme on hIAPP Fibrillation. <i>Chemical Research in Toxicology</i> , 2017, 30, 1711-1719.	1.7	18
29	NADPH oxidase-dependent degradation of single-walled carbon nanotubes in macrophages. <i>Journal of Materials Science: Materials in Medicine</i> , 2017, 28, 7.	1.7	24
30	Effects of rutin on the redox reactions of hemoglobin. <i>International Journal of Biological Macromolecules</i> , 2016, 89, 175-180.	3.6	12
31	Binding of human IgG to single-walled carbon nanotubes accelerated myeloperoxidase-mediated degradation in activated neutrophils. <i>Biophysical Chemistry</i> , 2016, 218, 36-41.	1.5	15
32	Effects of pharmacological ascorbate on hemoglobin-induced cancer cell proliferation. <i>International Journal of Biological Macromolecules</i> , 2016, 92, 1215-1219.	3.6	2
33	Theoretical analysis of a high performance protein imprint on a nanosensor. <i>Sensing and Bio-Sensing Research</i> , 2016, 7, 12-19.	2.2	5
34	Gallium nitride porous microtubules self-assembled from wurtzite nanorods. <i>Journal of Crystal Growth</i> , 2015, 415, 139-145.	0.7	8
35	Molecular extraction in single live cells by sneaking in and out magnetic nanomaterials. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10966-10971.	3.3	20
36	Amyloid beta-heme peroxidase promoted protein nitrotyrosination: relevance to widespread protein nitration in Alzheimer's disease. <i>Journal of Biological Inorganic Chemistry</i> , 2012, 17, 197-207.	1.1	35