Zhen Yang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2281208/publications.pdf

Version: 2024-02-01

36	380	759055 12	887953 17
papers	citations	h-index	g-index

37	37	37	547
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Amyloid betaâ€“heme peroxidase promoted protein nitrotyrosination: relevance to widespread protein nitration in Alzheimerâ€™s disease. Journal of Biological Inorganic Chemistry, 2012, 17, 197-207.	1.1	35
2	NADPH oxidase-dependent degradation of single-walled carbon nanotubes in macrophages. Journal of Materials Science: Materials in Medicine, 2017, 28, 7.	1.7	24
3	Insulin enhances the peroxidase activity of heme by forming heme-insulin complex: Relevance to type 2 diabetes mellitus. International Journal of Biological Macromolecules, 2017, 102, 1009-1015.	3.6	21
4	Molecular extraction in single live cells by sneaking in and out magnetic nanomaterials. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10966-10971.	3.3	20
5	Strong Inhibitory Effect of Heme on hIAPP Fibrillation. Chemical Research in Toxicology, 2017, 30, 1711-1719.	1.7	18
6	Nitration of Tyrosine Residue Y10 of AÎ²_{1â€“42} Significantly Inhibits Its Aggregation and Cytotoxicity. Chemical Research in Toxicology, 2017, 30, 1085-1092.	1.7	17
7	Perturbed ac Stark Effect for Attosecond Optical-Waveform Sampling. Physical Review Applied, 2020, 13, .	1.5	17
8	Binding of human IgG to single-walled carbon nanotubes accelerated myeloperoxidase-mediated degradation in activated neutrophils. Biophysical Chemistry, 2016, 218, 36-41.	1.5	15
9	Interaction of glyceraldehyde-3-phosphate dehydrogenase and heme: The relevance of its biological function. Archives of Biochemistry and Biophysics, 2017, 619, 54-61.	1.4	15
10	Nitration of hIAPP promotes its toxic oligomer formation and exacerbates its toxicity towards INS-1â€cells. Nitric Oxide - Biology and Chemistry, 2019, 87, 23-30.	1.2	15
11	Nitration of amyloid-Î² peptide (1â€“42) as a protective mechanism for the amyloid-Î² peptide (1â€“42) against copper ion toxicity. Journal of Inorganic Biochemistry, 2019, 190, 15-23.	1.5	15
12	A zwitterionic near-infrared dye linked TrkC targeting agent for imaging metastatic breast cancer. MedChemComm, 2018, 9, 1754-1760.	3.5	14
13	Dual Anti-/Prooxidant Behaviors of Flavonoids Pertaining to Cu(II)-Catalyzed Tyrosine Nitration of the Insulin Receptor Kinase Domain in an Antidiabetic Study. Journal of Agricultural and Food Chemistry, 2020, 68, 6202-6211.	2.4	14
14	Effects of rutin on the redox reactions of hemoglobin. International Journal of Biological Macromolecules, 2016, 89, 175-180.	3.6	12
15	Singleâ€Molecule Force Measurement Guides the Design of Multivalent Ligands with Picomolar Affinity. Angewandte Chemie - International Edition, 2019, 58, 5272-5276.	7.2	12
16	All-optical attosecond time domain interferometry. National Science Review, 2021, 8, nwaa211.	4.6	12
17	Effects of serum albumin on the degradation and cytotoxicity of single-walled carbon nanotubes. Biophysical Chemistry, 2017, 222, 1-6.	1.5	10
18	Structure effect of water-soluble iron porphyrins on catalyzing protein tyrosine nitration in the presence of nitrite and hydrogen peroxide. Nitric Oxide - Biology and Chemistry, 2019, 91, 42-51.	1.2	10

#	Article	IF	Citations
19	NPY binds with heme to form a NPYâ€“heme complex: enhancing peroxidase activity in free heme and promoting NPY nitration and inactivation. Dalton Transactions, 2017, 46, 10315-10323.	1.6	9
20	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. Journal of Inorganic Biochemistry, 2018, 189, 40-52.	1.5	9
21	Gallium nitride porous microtubules self-assembled from wurtzite nanorods. Journal of Crystal Growth, 2015, 415, 139-145.	0.7	8
22	Heminâ€Graphene Derivatives with Increased Peroxidase Activities Restrain Protein Tyrosine Nitration. Chemistry - A European Journal, 2017, 23, 17755-17763.	1.7	8
23	Targeted Maytansinoid Conjugate Improves Therapeutic Index for Metastatic Breast Cancer Cells. Bioconjugate Chemistry, 2018, 29, 2920-2926.	1.8	8
24	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. Journal of Inorganic Biochemistry, 2018, 183, 9-17.	1.5	7
25	Theoretical analysis of a high performance protein imprint on a nanosensor. Sensing and Bio-Sensing Research, 2016, 7, 12-19.	2.2	5
26	⁶⁴Cu/¹⁷⁷Lu-DOTA-diZD, a Small-Molecule-Based Theranostic Pair for Triple-Negative Breast Cancer. Journal of Medicinal Chemistry, 2021, 64, 2705-2713.	2.9	5
27	Auxiliary Circuit Free Maximum Power Efficiency Tracking Scheme for Wireless Motor System With Source-Load Coupling. IEEE Transactions on Industrial Electronics, 2023, 70, 3414-3425.	5.2	5
28	Photothermal Heating-Induced Localized Structural Disruption in a Poly-Îµ-caprolactone Nanocarrier System for Controlled Drug Delivery. ACS Applied Bio Materials, 2019, 2, 464-469.	2.3	4
29	Carbon Nanotube Facilitated Interface Formation for Enhanced Protein Sensing in Electrosynthesized Molecular Imprinting. ACS Applied Bio Materials, 2019, 2, 4604-4611.	2.3	3
30	Singleâ€Molecule Force Measurement Guides the Design of Multivalent Ligands with Picomolar Affinity. Angewandte Chemie, 2019, 131, 5326-5330.	1.6	3
31	Protein tyrosine nitration: Chemistry and role in diseases. Advances in Molecular Toxicology, 2019, , 109-128.	0.4	3
32	Effects of pharmacological ascorbate on hemoglobin-induced cancer cell proliferation. International Journal of Biological Macromolecules, 2016, 92, 1215-1219.	3.6	2
33	Vulnerable Atherosclerotic Plaque Imaging by Smallâ€Molecule Highâ€Affinity Positron Emission Tomography Radiopharmaceutical. Advanced Therapeutics, 2019, 2, 1900005.	1.6	2
34	Probing laser-driven bound-state dynamics using attosecond streaking spectroscopy. Physical Review A, 2020, 102, .	1.0	2
35	Fluorescent PARP Inhibitors Applied To Intracranial Glioblastoma: Accumulation and Persistence In Vivo. ACS Medicinal Chemistry Letters, 2022, 13, 911-915.	1.3	1
36	Innentitelbild: Singleâ€Molecule Force Measurement Guides the Design of Multivalent Ligands with Picomolar Affinity (Angew. Chem. 16/2019). Angewandte Chemie, 2019, 131, 5192-5192.	1.6	0