

Hong Zhang

List of Publications by Year in descending order

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24
papers

1,033
citations

840776

11
h-index

610901

24
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docs citations

24
times ranked

1418
citing authors

#	ARTICLE	IF	CITATIONS
1	XRCC1 Stimulates Human Polynucleotide Kinase Activity at Damaged DNA Termini and Accelerates DNA Single-Strand Break Repair. <i>Cell</i> , 2001, 104, 107-117.	28.9	554
2	An AIE-Based Probe for Rapid and Ultrasensitive Imaging of Plasma Membranes in Biosystems. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9962-9966.	13.8	80
3	A novel peptide-based fluorescence chemosensor for selective imaging of hydrogen sulfide both in living cells and zebrafish. <i>Biosensors and Bioelectronics</i> , 2017, 92, 602-609.	10.1	66
4	Transforming growth factor β signaling pathway: A promising therapeutic target for cancer. <i>Journal of Cellular Physiology</i> , 2020, 235, 1903-1914.	4.1	64
5	Mitochondria-Immobilized Fluorescent Probe for the Detection of Hypochlorite in Living Cells, Tissues, and Zebrafishes. <i>Analytical Chemistry</i> , 2020, 92, 3262-3269.	6.5	51
6	Fluorophore-Dependent Cleavage of Disulfide Bond Leading to a Highly Selective Fluorescent Probe of Thioredoxin. <i>Analytical Chemistry</i> , 2019, 91, 8524-8531.	6.5	26
7	Carbon ion beams induce hepatoma cell death by NADPH oxidase-mediated mitochondrial damage. <i>Journal of Cellular Physiology</i> , 2013, 229, n/a-n/a.	4.1	23
8	Proteomic analysis for testis of mice exposed to carbon ion radiation. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2013, 755, 148-155.	1.7	20
9	Loss of thioredoxin reductase function in a mouse stroke model disclosed by a two-photon fluorescent probe. <i>Chemical Communications</i> , 2020, 56, 14075-14078.	4.1	18
10	Heavy ion radiation-induced DNA damage mediates apoptosis via the Rpl27a-Rpl5-MDM2-p53/E2F1 signaling pathway in mouse spermatogonia. <i>Ecotoxicology and Environmental Safety</i> , 2020, 201, 110831.	6.0	16
11	Toxic effects of ^{56}Fe ion radiation on the zebrafish (<i>Danio rerio</i>) embryonic development. <i>Aquatic Toxicology</i> , 2017, 186, 87-95.	4.0	15
12	Effects of ionizing radiation and HLY78 on the zebrafish embryonic developmental toxicity. <i>Toxicology</i> , 2019, 411, 143-153.	4.2	13
13	Depletion of protein thiols and the accumulation of oxidized thioredoxin in Parkinsonism disclosed by a red-emitting and environment-sensitive probe. <i>Journal of Materials Chemistry B</i> , 2019, 7, 2696-2702.	5.8	11
14	^{56}Fe irradiation-induced cognitive deficits through oxidative stress in mice. <i>Toxicology Research</i> , 2016, 5, 1672-1679.	2.1	10
15	Carbon ion combined with tigecycline inhibits lung cancer cell proliferation by inducing mitochondrial dysfunction. <i>Life Sciences</i> , 2020, 263, 118586.	4.3	10
16	A β -allyl carbamate fluorescent probe for vicinal dithiol proteins. <i>Chemical Communications</i> , 2020, 56, 2857-2860.	4.1	10
17	Baylis-Hillman Adducts as a Versatile Module for Constructing Fluorogenic Release System. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 6056-6069.	6.4	10
18	Dynamic recognition and repair of DNA complex damage. <i>Journal of Cellular Physiology</i> , 2019, 234, 13014-13020.	4.1	7

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19	E2F is involved in radioresistance of carbon ion induced apoptosis via Bax/caspase 3 signal pathway in human hepatoma cell. <i>Journal of Cellular Physiology</i> , 2018, 233, 1312-1320.	4.1	6
20	Cediranib Induces Apoptosis, G1 Phase Cell Cycle Arrest, and Autophagy in Non-Small-Cell Lung Cancer Cell A549 In Vitro. <i>BioMed Research International</i> , 2021, 2021, 1-11.	1.9	6
21	Mitochondrial proteomics reveals the mechanism of spermatogenic cells apoptosis induced by carbon ion radiation in zebrafish. <i>Journal of Cellular Physiology</i> , 2019, 234, 22439-22449.	4.1	5
22	Fluorescent Probes for Imaging Protein Disulfides in Live Organisms. <i>ACS Sensors</i> , 2021, 6, 1384-1391.	7.8	5
23	Early embryonic exposure of ionizing radiations disrupts zebrafish pigmentation. <i>Journal of Cellular Physiology</i> , 2019, 234, 940-949.	4.1	4
24	Evaluation of the toxicity of iron-ion irradiation in murine bone marrow dendritic cells via increasing the expression of indoleamine 2,3-dioxygenase 1. <i>Toxicology Research</i> , 2017, 6, 958-968.	2.1	3