

Bin Wang

List of Publications by Year in descending order

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37
papers

1,224
citations

535685

17
h-index

425179

34
g-index

37
all docs

37
docs citations

37
times ranked

1773
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep learning models for image and data processes of intracellular calcium ions. Cellular Signalling, 2022, 91, 110225.	1.7	0
2	PINK1/TAX1BP1-directed mitophagy attenuates vascular endothelial injury induced by copper oxide nanoparticles. Journal of Nanobiotechnology, 2022, 20, 149.	4.2	17
3	Reciprocal regulation of NRF2 by autophagy and ubiquitin-proteasome modulates vascular endothelial injury induced by copper oxide nanoparticles. Journal of Nanobiotechnology, 2022, 20, .	4.2	8
4	Chemerin located in bone marrow promotes osteogenic differentiation and bone formation via Akt/Gsk3 β /catenin axis in mice. Journal of Cellular Physiology, 2021, 236, 6042-6054.	2.0	16
5	Ferritinophagy is involved in the zinc oxide nanoparticles-induced ferroptosis of vascular endothelial cells. Autophagy, 2021, 17, 4266-4285.	4.3	162
6	Autophagy deficiency exacerbates acute lung injury induced by copper oxide nanoparticles. Journal of Nanobiotechnology, 2021, 19, 162.	4.2	21
7	A Potential Participant in Type 2 Diabetes Bone Fragility: TIMP-1 at Sites of Osteocyte Lacunar-Canalicular System. Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 2021, Volume 14, 4903-4909.	1.1	3
8	The lysosomal membrane protein LAMP2 is dispensable for PINK1/Parkin-mediated mitophagy. FEBS Letters, 2020, 594, 823-840.	1.3	4
9	<p>Multifunctional Islet Transplantation Hydrogel Encapsulating A20 High-Expressing Islets</p>. Drug Design, Development and Therapy, 2020, Volume 14, 4021-4027.	2.0	9
10	<p>MiTF is Associated with Chemoresistance to Cisplatin in A549 Lung Cancer Cells via Modulating Lysosomal Biogenesis and Autophagy</p>. Cancer Management and Research, 2020, Volume 12, 6563-6573.	0.9	16
11	<p>Zinc Oxide Nanoparticles Induce Ferroptotic Neuronal Cell Death in vitro and in vivo</p>. International Journal of Nanomedicine, 2020, Volume 15, 5299-5315.	3.3	33
12	<p>Copper Oxide Nanoparticles Induce Oxidative DNA Damage and Cell Death via Copper Ion-Mediated P38 MAPK Activation in Vascular Endothelial Cells</p>. International Journal of Nanomedicine, 2020, Volume 15, 3291-3302.	3.3	47
13	Anti-inflammatory effects of adiponectin in cigarette smoke-activated alveolar macrophage through the COX-2/PGE2 and TLRs signaling pathway. Cytokine, 2020, 133, 155148.	1.4	9
14	The NADPH oxidase 4 protects vascular endothelial cells from copper oxide nanoparticles-induced oxidative stress and cell death. Life Sciences, 2020, 252, 117571.	2.0	11
15	<p>Prognostic Values Of Preoperative Serum CEA And CA125 Levels And Nomograms For Young Breast Cancer Patients</p>. OncoTargets and Therapy, 2019, Volume 12, 8789-8800.	1.0	13
16	<p>Heterozygous Disruption of Beclin 1 Alleviates Zinc Oxide Nanoparticles-Induced Disturbance of Cholesterol Biosynthesis in Mouse Liver</p>. International Journal of Nanomedicine, 2019, Volume 14, 9865-9875.	3.3	7
17	Elevated solute transport at sites of diffuse matrix damage in cortical bone: Implications on bone repair. Journal of Orthopaedic Research, 2018, 36, 692-698.	1.2	6
18	Lysosomal deposition of copper oxide nanoparticles triggers HUVEC cells death. Biomaterials, 2018, 161, 228-239.	5.7	85

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19	The size of zinc oxide nanoparticles controls its toxicity through impairing autophagic flux in A549 lung epithelial cells. <i>Toxicology Letters</i> , 2018, 285, 51-59.	0.4	52
20	Mechanically induced autophagy is associated with ATP metabolism and cellular viability in osteocytes in vitro. <i>Redox Biology</i> , 2018, 14, 492-498.	3.9	62
21	Disruption of the superoxide anions-mitophagy regulation axis mediates copper oxide nanoparticles-induced vascular endothelial cell death. <i>Free Radical Biology and Medicine</i> , 2018, 129, 268-278.	1.3	33
22	Autophagy-dependent release of zinc ions is critical for acute lung injury triggered by zinc oxide nanoparticles. <i>Nanotoxicology</i> , 2018, 12, 1068-1091.	1.6	44
23	Novel osteogenic growth peptide C-terminal pentapeptide grafted poly(D,L-lactic acid) improves the proliferation and differentiation of osteoblasts: The potential bone regenerative biomaterial. <i>International Journal of Biological Macromolecules</i> , 2018, 119, 874-881.	3.6	7
24	LAMP-2 mediates oxidative stress-dependent cell death in Zn ²⁺ -treated lung epithelium cells. <i>Biochemical and Biophysical Research Communications</i> , 2017, 488, 177-181.	1.0	24
25	Zinc oxide nanoparticles harness autophagy to induce cell death in lung epithelial cells. <i>Cell Death and Disease</i> , 2017, 8, e2954-e2954.	2.7	130
26	Altered spontaneous calcium signaling of in situ chondrocytes in human osteoarthritic cartilage. <i>Scientific Reports</i> , 2017, 7, 17093.	1.6	16
27	HMGB1 translocation and release mediate cigarette smoke-induced pulmonary inflammation in mice through a TLR4/MyD88-dependent signaling pathway. <i>Molecular Biology of the Cell</i> , 2017, 28, 201-209.	0.9	56
28	Nomograms for Predicting the Prognostic Value of Pre-Therapeutic CA15-3 and CEA Serum Levels in TNBC Patients. <i>PLoS ONE</i> , 2016, 11, e0161902.	1.1	23
29	Synthesis, characterization, and <i>in vitro</i> biocompatibility study of novel disulfide cross-linked hydrogels based on poly(amic acid). <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	1
30	Perlecan-Containing Pericellular Matrix Regulates Solute Transport and Mechanosensing Within the Osteocyte Lacunar-Canalicular System. <i>Journal of Bone and Mineral Research</i> , 2014, 29, 878-891.	3.1	82
31	Quantifying load-induced solute transport and solute-matrix interaction within the osteocyte lacunar-canalicular system. <i>Journal of Bone and Mineral Research</i> , 2013, 28, 1075-1086.	3.1	47
32	Elevated cross-talk between subchondral bone and cartilage in osteoarthritic joints. <i>Bone</i> , 2012, 51, 212-217.	1.4	136
33	Novel multi-biotin grafted poly(lactic acid) and its self-assembling nanoparticles capable of binding to streptavidin. <i>International Journal of Nanomedicine</i> , 2012, 7, 457.	3.3	5
34	Investigating the Sieving and Structural Property of the Osteocyte Pericellular Matrix: Experiments and Modeling. , 2012, , .		0
35	Novel PEG-graft-PLA nanoparticles with the potential for encapsulation and controlled release of hydrophobic and hydrophilic medications in aqueous medium. <i>International Journal of Nanomedicine</i> , 2011, 6, 1443.	3.3	20
36	Stepwise Increasing and Decreasing Fluid Shear Stresses Differentially Regulate the Functions of Osteoblasts. <i>Cellular and Molecular Bioengineering</i> , 2010, 3, 376-386.	1.0	9

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37	Development of a new poly(ethylene glycol)- <i>graft</i> -poly(D,L-lactic acid) as potential drug carriers. Journal of Biomedical Materials Research - Part A, 2009, 89A, 160-167.	2.1	10