

Wei Zhu

List of Publications by Year in descending order

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68
papers

4,089
citations

196777

29
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134545

62
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70
all docs

70
docs citations

70
times ranked

6619
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploring sustainable solutions for the water environment in Chinese and Southeast Asian cities. <i>Ambio</i> , 2022, 51, 1199-1218.	2.8	39
2	IgE and IgG Anti-Thyroid Autoantibodies in Chinese Patients With Chronic Spontaneous Urticaria and a Literature Review. <i>Allergy, Asthma and Immunology Research</i> , 2022, 14, 131.	1.1	6
3	FNDC5/irisin facilitates muscleâ€”adiposeâ€”bone connectivity through ubiquitination-dependent activation of runt-related transcriptional factors RUNX1/2. <i>Journal of Biological Chemistry</i> , 2022, 298, 101679.	1.6	3
4	Exosomal CD44 Transmits Lymph Node Metastatic Capacity Between Gastric Cancer Cells via YAP-CPT1A-Mediated FAO Reprogramming. <i>Frontiers in Oncology</i> , 2022, 12, 860175.	1.3	17
5	Strong and Flame-Resistant Thermoplastic Polymer Adhesives Based on Multiple Hydrogen Bonding Interactions. <i>ACS Applied Polymer Materials</i> , 2022, 4, 3520-3531.	2.0	7
6	Iodine-Mediated Domino Cyclization for One-Pot Synthesis of Indolizine-Fused Chromones via Metal-Free sp ³ C-H Functionalization. <i>Journal of Organic Chemistry</i> , 2022, 87, 835-845.	1.7	9
7	A Quantitative Analysis of the Influence of Temperature Change on the Extreme Precipitation. <i>Atmosphere</i> , 2022, 13, 612.	1.0	31
8	Watershed Ecohydrological Processes in a Changing Environment: Opportunities and Challenges. <i>Water (Switzerland)</i> , 2022, 14, 1502.	1.2	27
9	Spatiotemporal Variations and Climatological Trends in Precipitation Indices in Shaanxi Province, China. <i>Atmosphere</i> , 2022, 13, 744.	1.0	32
10	Analysis of the relationships between the thermophysical properties of rocks in the Dandong Area of China. <i>European Journal of Remote Sensing</i> , 2021, 54, 122-131.	1.7	3
11	Microencapsulated mulberry anthocyanins promote the in vitro-digestibility of whey proteins in glycosylated energy-ball models. <i>Food Chemistry</i> , 2021, 345, 128805.	4.2	12
12	Implantable multifunctional black phosphorus nanof ormulation-deposited biodegradable scaffold for combinational photothermal/ chemotherapy and wound healing. <i>Biomaterials</i> , 2021, 269, 120623.	5.7	53
13	Lymph node metastasis-derived gastric cancer cells educate bone marrow-derived mesenchymal stem cells via YAP signaling activation by exosomal Wnt5a. <i>Oncogene</i> , 2021, 40, 2296-2308.	2.6	35
14	A bibliometric analysis of the research on Sponge City: Current situation and future development direction. <i>Ecohydrology</i> , 2021, 14, e2328.	1.1	61
15	Mesenchymal Stem Cell-Derived Exosomes Ameliorate Dermal Fibrosis in a Murine Model of Bleomycin-Induced Scleroderma. <i>Stem Cells and Development</i> , 2021, 30, 981-990.	1.1	13
16	Seq12, Seq12m, and Seq13m, peptide analogues of the spike glycoprotein shows antiviral properties against SARS-CoV-2: An in silico study through molecular docking, molecular dynamics simulation, and MM-PB/GBSA calculations. <i>Journal of Molecular Structure</i> , 2021, 1246, 131113.	1.8	11
17	TDG is a pig-specific epigenetic regulator with insensitivity to H3K9 and H3K27 demethylation in nuclear transfer embryos. <i>Stem Cell Reports</i> , 2021, 16, 2674-2689.	2.3	15
18	Emerging 2D Nanomaterials for Multimodal Theranostics of Cancer. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 769178.	2.0	5

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19	Integrative Physiological, Transcriptional, and Metabolic Analyses Provide Insights Into Response Mechanisms of <i>Prunus persica</i> to Autotoxicity Stress. <i>Frontiers in Plant Science</i> , 2021, 12, 794881.	1.7	5
20	Calibrating travel time thresholds with cluster analysis and AFC data for passenger reasonable route generation on an urban rail transit network. <i>Transportation</i> , 2020, 47, 3069-3090.	2.1	11
21	miR-188-5p suppresses cellular proliferation and migration via IL6ST: A potential noninvasive diagnostic biomarker for breast cancer. <i>Journal of Cellular Physiology</i> , 2020, 235, 4890-4901.	2.0	32
22	Tannins inhibit SARS-CoV-2 through binding with catalytic dyad residues of 3CL ^{pro} : An in silico approach with 19 structural different hydrolysable tannins. <i>Journal of Food Biochemistry</i> , 2020, 44, e13432.	1.2	56
23	Deformation characteristics of aramid fiber-reinforced pneumatic wheel and machining analysis. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 110, 581-591.	1.5	6
24	Research advances in the role of gastric cancer-derived mesenchymal stem cells in tumor progression (Review). <i>International Journal of Molecular Medicine</i> , 2020, 47, 455-462.	1.8	1
25	Hydrothermal pretreatment of salvaged cyanobacteria and use of pretreated medium for cultivating <i>Scenedesmus obliquus</i> . <i>Bioresource Technology</i> , 2019, 294, 122120.	4.8	12
26	miR-188-5p emerges as an oncomiRNA to promote gastric cancer cell proliferation and migration via upregulation of SALL4. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 15027-15037.	1.2	20
27	Anti-glycation and anti-hardening effects of microencapsulated mulberry polyphenols in high-protein-sugar ball models through binding with some glycation sites of whey proteins. <i>International Journal of Biological Macromolecules</i> , 2019, 123, 10-19.	3.6	33
28	Porphyrin-based porous polyimide polymer/Pd nanoparticle composites as efficient catalysts for Suzuki-Miyaura coupling reactions. <i>Polymer Chemistry</i> , 2018, 9, 1430-1438.	1.9	43
29	The role of miR-155-pâ€‹NF- κ B signaling in the education of bone marrow-derived mesenchymal stem cells by gastric cancer cells. <i>Cancer Medicine</i> , 2018, 7, 856-868.	1.3	21
30	Three-dimensional conductive porous organic polymers based on tetrahedral polythiophene for high-performance supercapacitors. <i>New Journal of Chemistry</i> , 2018, 42, 6247-6255.	1.4	40
31	Paclitaxel-resistant gastric cancer MGC-803 cells promote epithelial-to-mesenchymal transition and chemoresistance in paclitaxel-sensitive cells via exosomal delivery of miR-155-5p. <i>International Journal of Oncology</i> , 2018, 54, 326-338.	1.4	66
32	Triazine-based graphitic carbon nitride: controllable synthesis and enhanced cataluminescent sensing for formic acid. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 7499-7509.	1.9	21
33	Oligomerization of Frizzled and LRP5/6 protein initiates intracellular signaling for the canonical WNT/ β -catenin pathway. <i>Journal of Biological Chemistry</i> , 2018, 293, 19710-19724.	1.6	46
34	Empirical Analysis of Traveling Backwards and Passenger Flows Reassignment on a Metro Network with Automatic Fare Collection (AFC) Data and Train Diagram. <i>Transportation Research Record</i> , 2018, 2672, 230-242.	1.0	6
35	One-pot synthesis of a highly porous anionic hypercrosslinked polymer for ultrafast adsorption of organic pollutants. <i>Polymer Chemistry</i> , 2018, 9, 4724-4732.	1.9	59
36	Human Gastric Cancer Mesenchymal Stem Cell-Derived IL15 Contributes to Tumor Cell Epithelial-Mesenchymal Transition via Upregulation Tregs Ratio and PD-1 Expression in CD4 ⁺ T Cell. <i>Stem Cells and Development</i> , 2018, 27, 1203-1214.	1.1	29

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37	Upconversion Nanocrystals Mediated Lateral-Flow Nanoplatform for <i>in Vitro</i> Detection. ACS Applied Materials & Interfaces, 2017, 9, 3497-3504.	4.0	79
38	The impact of a novel peach gum-derived polysaccharide on postprandial blood glucose control in streptozotocin-induced diabetic mice. International Journal of Biological Macromolecules, 2017, 98, 379-386.	3.6	35
39	Molecular isomerism induced Fe(II) spin state difference based on the tautomerization of the 4(5)-methylimidazole group. Dalton Transactions, 2017, 46, 4218-4224.	1.6	13
40	The E3 ubiquitin ligase WWP2 facilitates RUNX2 protein transactivation in a mono-ubiquitination manner during osteogenic differentiation. Journal of Biological Chemistry, 2017, 292, 11178-11188.	1.6	43
41	Data on water consumption in streptozotocin-induced diabetic mice by a novel peach gum-derived polysaccharide. Data in Brief, 2017, 12, 358-360.	0.5	0
42	Integrating spin-crossover nanoparticles with silver nanowires: toward magnetic and conductive bifunctional nanomaterials. New Journal of Chemistry, 2017, 41, 10062-10068.	1.4	12
43	A three-dimensional porphyrin-based porous organic polymer with excellent biomimetic catalytic performance. Polymer Chemistry, 2017, 8, 4327-4331.	1.9	32
44	Comparison of the nutritional as well as the volatile composition of in-season and off-season Hezuo 903 tomato at red stage. European Food Research and Technology, 2017, 243, 203-214.	1.6	18
45	Cancer stemness and metastatic potential of the novel tumor cell line K3: an inner mutated cell of bone marrow-derived mesenchymal stem cells. Oncotarget, 2017, 8, 39522-39533.	0.8	8
46	Digital core based transmitted ultrasonic wave simulation and velocity accuracy analysis. Applied Geophysics, 2016, 13, 375-381.	0.1	5
47	Exosomes derived from human mesenchymal stem cells promote gastric cancer cell growth and migration via the activation of the Akt pathway. Molecular Medicine Reports, 2016, 14, 3452-3458.	1.1	84
48	Anti-cancer drug 3,3'-diindolylmethane activates Wnt4 signaling to enhance gastric cancer cell stemness and tumorigenesis. Oncotarget, 2016, 7, 16311-16324.	0.8	21
49	miR-155-5p inhibition promotes the transition of bone marrow mesenchymal stem cells to gastric cancer tissue derived MSC-like cells via NF- κ B p65 activation. Oncotarget, 2016, 7, 16567-16580.	0.8	60
50	Changes in mesenchymal stem cells following long-term culture in vitro. Molecular Medicine Reports, 2016, 13, 5207-5215.	1.1	83
51	Tumorigenic hybrids between mesenchymal stem cells and gastric cancer cells enhanced cancer proliferation, migration and stemness. BMC Cancer, 2015, 15, 793.	1.1	68
52	Exosomes Derived from Human Umbilical Cord Mesenchymal Stem Cells Relieve Acute Myocardial Ischemic Injury. Stem Cells International, 2015, 2015, 1-12.	1.2	197
53	One-step facile synthesis of coral-like Zn-doped SnO ₂ and its cataluminescence sensing of 2-butanone. Journal of Materials Chemistry A, 2015, 3, 7132-7138.	5.2	41
54	Human Umbilical Cord Mesenchymal Stem Cell Exosomes Enhance Angiogenesis Through the Wnt4/ β -Catenin Pathway. Stem Cells Translational Medicine, 2015, 4, 513-522.	1.6	353

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55	HucMSC-Exosome Mediated-Wnt4 Signaling Is Required for Cutaneous Wound Healing. <i>Stem Cells</i> , 2015, 33, 2158-2168.	1.4	585
56	Umbilical cord-derived mesenchymal stem cells promote proliferation and migration in MCF-7 and MDA-MB-231 breast cancer cells through activation of the ERK pathway. <i>Oncology Reports</i> , 2015, 34, 1469-1477.	1.2	53
57	Extracellular regulated protein kinases 1/2 phosphorylation is required for hepatic differentiation of human umbilical cord-derived mesenchymal stem cells. <i>Experimental Biology and Medicine</i> , 2015, 240, 534-545.	1.1	7
58	Culture medium of bone marrow-derived human mesenchymal stem cells effects lymphatic endothelial cells and tumor lymph vessel formation. <i>Oncology Letters</i> , 2015, 9, 1221-1226.	0.8	16
59	SALL4: An emerging cancer biomarker and target. <i>Cancer Letters</i> , 2015, 357, 55-62.	3.2	85
60	Interleukin-23A is associated with tumor growth in Helicobacter-pylori-related human gastric cancer. <i>Cancer Cell International</i> , 2014, 14, 104.	1.8	19
61	Recent advances in genes involved in secondary metabolite synthesis, hyphal development, energy metabolism and pathogenicity in <i>Fusarium graminearum</i> (teleomorph <i>Gibberella zeae</i>). <i>Biotechnology Advances</i> , 2014, 32, 390-402.	6.0	34
62	Modelling of catalytically oxidative decomposition of carbon tetrachloride on a ZnS nanocluster using density functional theory. <i>Catalysis Science and Technology</i> , 2014, 4, 1038.	2.1	3
63	Activation of Mesenchymal Stem Cells by Macrophages Prompts Human Gastric Cancer Growth through NF- κ B Pathway. <i>PLoS ONE</i> , 2014, 9, e97569.	1.1	33
64	Exosomes Derived from Human Umbilical Cord Mesenchymal Stem Cells Alleviate Liver Fibrosis. <i>Stem Cells and Development</i> , 2013, 22, 845-854.	1.1	716
65	Exosomes derived from human bone marrow mesenchymal stem cells promote tumor growth in vivo. <i>Cancer Letters</i> , 2012, 315, 28-37.	3.2	403
66	Mesenchymal stem cell-secreted soluble signaling molecules potentiate tumor growth. <i>Cell Cycle</i> , 2011, 10, 3198-3207.	1.3	83
67	Anti-proliferation effect of BMI-1 in U937 cells with siRNA. <i>International Journal of Molecular Medicine</i> , 2010, 25, 889-95.	1.8	4
68	A probability density function of liftoff velocities in mixed-size wind sand flux. <i>Science in China Series G: Physics, Mechanics and Astronomy</i> , 2008, 51, 976-985.	0.2	10