

Wei Zhu

List of Publications by Year in descending order

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68
papers

4,089
citations

172457

29
h-index

118850

62
g-index

70
all docs

70
docs citations

70
times ranked

6136
citing authors

#	ARTICLE	IF	CITATIONS
1	Exosomes Derived from Human Umbilical Cord Mesenchymal Stem Cells Alleviate Liver Fibrosis. <i>Stem Cells and Development</i> , 2013, 22, 845-854.	2.1	716
2	HucMSC-Exosome Mediated-Wnt4 Signaling Is Required for Cutaneous Wound Healing. <i>Stem Cells</i> , 2015, 33, 2158-2168.	3.2	585
3	Exosomes derived from human bone marrow mesenchymal stem cells promote tumor growth in vivo. <i>Cancer Letters</i> , 2012, 315, 28-37.	7.2	403
4	Human Umbilical Cord Mesenchymal Stem Cell Exosomes Enhance Angiogenesis Through the Wnt4/ β 2-Catenin Pathway. <i>Stem Cells Translational Medicine</i> , 2015, 4, 513-522.	3.3	353
5	Exosomes Derived from Human Umbilical Cord Mesenchymal Stem Cells Relieve Acute Myocardial Ischemic Injury. <i>Stem Cells International</i> , 2015, 2015, 1-12.	2.5	197
6	SALL4: An emerging cancer biomarker and target. <i>Cancer Letters</i> , 2015, 357, 55-62.	7.2	85
7	Exosomes derived from human mesenchymal stem cells promote gastric cancer cell growth and migration via the activation of the Akt pathway. <i>Molecular Medicine Reports</i> , 2016, 14, 3452-3458.	2.4	84
8	Mesenchymal stem cell-secreted soluble signaling molecules potentiate tumor growth. <i>Cell Cycle</i> , 2011, 10, 3198-3207.	2.6	83
9	Changes in mesenchymal stem cells following long-term culture in vitro. <i>Molecular Medicine Reports</i> , 2016, 13, 5207-5215.	2.4	83
10	Upconversion Nanocrystals Mediated Lateral-Flow Nanoplatform for <i>in Vitro</i> Detection. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 3497-3504.	8.0	79
11	Tumorigenic hybrids between mesenchymal stem cells and gastric cancer cells enhanced cancer proliferation, migration and stemness. <i>BMC Cancer</i> , 2015, 15, 793.	2.6	68
12	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.	3.3	66
13	A bibliometric analysis of the research on Sponge City: Current situation and future development direction. <i>Ecohydrology</i> , 2021, 14, e2328.	2.4	61
14	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. <i>Oncotarget</i> , 2016, 7, 16567-16580.	1.8	60
15	One-pot synthesis of a highly porous anionic hypercrosslinked polymer for ultrafast adsorption of organic pollutants. <i>Polymer Chemistry</i> , 2018, 9, 4724-4732.	3.9	59
16	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.	2.9	56
17	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.	2.6	53
18	Implantable multifunctional black phosphorus nanoformulation-deposited biodegradable scaffold for combinational photothermal/ chemotherapy and wound healing. <i>Biomaterials</i> , 2021, 269, 120623.	11.4	53

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19	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.	3.4	46
20	The E3 ubiquitin ligase WWP2 facilitates RUNX2 protein transactivation in a mono-ubiquitination manner during osteogenic differentiation. <i>Journal of Biological Chemistry</i> , 2017, 292, 11178-11188.	3.4	43
21	Porphyrin-based porous polyimide polymer/Pd nanoparticle composites as efficient catalysts for Suzuki-Miyaura coupling reactions. <i>Polymer Chemistry</i> , 2018, 9, 1430-1438.	3.9	43
22	One-step facile synthesis of coral-like Zn-doped SnO ₂ and its cataluminescence sensing of 2-butanone. <i>Journal of Materials Chemistry A</i> , 2015, 3, 7132-7138.	10.3	41
23	Three-dimensional conductive porous organic polymers based on tetrahedral polythiophene for high-performance supercapacitors. <i>New Journal of Chemistry</i> , 2018, 42, 6247-6255.	2.8	40
24	Exploring sustainable solutions for the water environment in Chinese and Southeast Asian cities. <i>Ambio</i> , 2022, 51, 1199-1218.	5.5	39
25	The impact of a novel peach gum-derived polysaccharide on postprandial blood glucose control in streptozotocin-induced diabetic mice. <i>International Journal of Biological Macromolecules</i> , 2017, 98, 379-386.	7.5	35
26	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.	5.9	35
27	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.	11.7	34
28	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.	7.5	33
29	Activation of Mesenchymal Stem Cells by Macrophages Prompts Human Gastric Cancer Growth through NF- κ B Pathway. <i>PLoS ONE</i> , 2014, 9, e97569.	2.5	33
30	A three-dimensional porphyrin-based porous organic polymer with excellent biomimetic catalytic performance. <i>Polymer Chemistry</i> , 2017, 8, 4327-4331.	3.9	32
31	miR-188p 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.	4.1	32
32	Spatiotemporal Variations and Climatological Trends in Precipitation Indices in Shaanxi Province, China. <i>Atmosphere</i> , 2022, 13, 744.	2.3	32
33	A Quantitative Analysis of the Influence of Temperature Change on the Extreme Precipitation. <i>Atmosphere</i> , 2022, 13, 612.	2.3	31
34	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.	2.1	29
35	Watershed Ecohydrological Processes in a Changing Environment: Opportunities and Challenges. <i>Water (Switzerland)</i> , 2022, 14, 1502.	2.7	27
36	The role of miR-155p in 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.	2.8	21

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37	Triazine-based graphitic carbon nitride: controllable synthesis and enhanced cataluminescent sensing for formic acid. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 7499-7509.	3.7	21
38	Anti-cancer drug 3,3'-diindolylmethane activates Wnt4 signaling to enhance gastric cancer cell stemness and tumorigenesis. <i>Oncotarget</i> , 2016, 7, 16311-16324.	1.8	21
39	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.	2.6	20
40	Interleukin-23A is associated with tumor growth in <i>Helicobacter-pylori</i> -related human gastric cancer. <i>Cancer Cell International</i> , 2014, 14, 104.	4.1	19
41	Comparison of the nutritional as well as the volatile composition of in-season and off-season Hezuo 903 tomato at red stage. <i>European Food Research and Technology</i> , 2017, 243, 203-214.	3.3	18
42	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.	2.8	17
43	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.	1.8	16
44	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.	4.8	15
45	Molecular isomerism induced Fe(II) spin state difference based on the tautomerization of the 4(5)-methylimidazole group. <i>Dalton Transactions</i> , 2017, 46, 4218-4224.	3.3	13
46	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.	2.1	13
47	Integrating spin-crossover nanoparticles with silver nanowires: toward magnetic and conductive bifunctional nanomaterials. <i>New Journal of Chemistry</i> , 2017, 41, 10062-10068.	2.8	12
48	Hydrothermal pretreatment of salvaged cyanobacteria and use of pretreated medium for cultivating <i>Scenedesmus obliquus</i> . <i>Bioresource Technology</i> , 2019, 294, 122120.	9.6	12
49	Microencapsulated mulberry anthocyanins promote the in vitro-digestibility of whey proteins in glycated energy-ball models. <i>Food Chemistry</i> , 2021, 345, 128805.	8.2	12
50	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.	4.0	11
51	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.	3.6	11
52	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
53	Iodine-Mediated Domino Cyclization for One-Pot Synthesis of Indolizine-Fused Chromones via Metal-Free $\text{sp}^3\text{-C}^{\text{H}}$ Functionalization. <i>Journal of Organic Chemistry</i> , 2022, 87, 835-845.	3.2	9
54	Cancer stemness and metastatic potential of the novel tumor cell line K3: an inner mutated cell of bone marrow-derived mesenchymal stem cells. <i>Oncotarget</i> , 2017, 8, 39522-39533.	1.8	8

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55	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.	2.4	7
56	Strong and Flame-Resistant Thermoplastic Polymer Adhesives Based on Multiple Hydrogen Bonding Interactions. <i>ACS Applied Polymer Materials</i> , 2022, 4, 3520-3531.	4.4	7
57	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.	1.9	6
58	Deformation characteristics of aramid fiber-reinforced pneumatic wheel and machining analysis. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 110, 581-591.	3.0	6
59	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.	2.9	6
60	Digital core based transmitted ultrasonic wave simulation and velocity accuracy analysis. <i>Applied Geophysics</i> , 2016, 13, 375-381.	0.6	5
61	Emerging 2D Nanomaterials for Multimodel Theranostics of Cancer. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 769178.	4.1	5
62	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.	3.6	5
63	Anti-proliferation effect of BMI-1 in U937 cells with siRNA. <i>International Journal of Molecular Medicine</i> , 2010, 25, 889-95.	4.0	4
64	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.	4.1	3
65	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.	3.5	3
66	FNDC5/irisin facilitates muscle-adipose-bone connectivity through ubiquitination-dependent activation of runt-related transcriptional factors RUNX1/2. <i>Journal of Biological Chemistry</i> , 2022, 298, 101679.	3.4	3
67	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.	4.0	1
68	Data on water consumption in streptozotocin-induced diabetic mice by a novel peach gum-derived polysaccharide. <i>Data in Brief</i> , 2017, 12, 358-360.	1.0	0