

Xiao Zhang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

60
papers

1,420
citations

22
h-index

37
g-index

75
ext. papers

1,857
ext. citations

7.4
avg, IF

4.82
L-index

#	Paper	IF	Citations
60	The nanoscale geometry of TiO ₂ nanotubes influences the osteogenic differentiation of human adipose-derived stem cells by modulating H3K4 trimethylation. <i>Biomaterials</i> , 2015 , 39, 193-205	15.6	136
59	Exosomes derived from miR-375-overexpressing human adipose mesenchymal stem cells promote bone regeneration. <i>Cell Proliferation</i> , 2019 , 52, e12669	7.9	113
58	Tumor-Specific Multiple Stimuli-Activated Dendrimeric Nanoassemblies with Metabolic Blockade Surmount Chemotherapy Resistance. <i>ACS Nano</i> , 2017 , 11, 416-429	16.7	101
57	Bio-inspired supramolecular hybrid dendrimers self-assembled from low-generation peptide dendrons for highly efficient gene delivery and biological tracking. <i>ACS Nano</i> , 2014 , 8, 9255-64	16.7	85
56	The effect of simvastatin on chemotactic capability of SDF-1 α and the promotion of bone regeneration. <i>Biomaterials</i> , 2014 , 35, 4489-98	15.6	84
55	Virion-Like Membrane-Breaking Nanoparticles with Tumor-Activated Cell-and-Tissue Dual-Penetration Conquer Impermeable Cancer. <i>Advanced Materials</i> , 2018 , 30, e1707240	24	69
54	Bioinspired therapeutic dendrimers as efficient peptide drugs based on supramolecular interactions for tumor inhibition. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 4289-94	16.4	68
53	Virus-Inspired Mimics Based on Dendritic Lipopeptides for Efficient Tumor-Specific Infection and Systemic Drug Delivery. <i>Advanced Functional Materials</i> , 2015 , 25, 5250-5260	15.6	64
52	Supramolecular PEGylated Dendritic Systems as pH/Redox Dual-Responsive Theranostic Nanoplatforms for Platinum Drug Delivery and NIR Imaging. <i>Theranostics</i> , 2016 , 6, 1293-305	12.1	56
51	The roles of bone morphogenetic proteins and their signaling in the osteogenesis of adipose-derived stem cells. <i>Tissue Engineering - Part B: Reviews</i> , 2014 , 20, 84-92	7.9	49
50	The epigenetic promotion of osteogenic differentiation of human adipose-derived stem cells by the genetic and chemical blockade of histone demethylase LSD1. <i>Biomaterials</i> , 2014 , 35, 6015-25	15.6	44
49	Histone H3K9 Acetyltransferase PCAF Is Essential for Osteogenic Differentiation Through Bone Morphogenetic Protein Signaling and May Be Involved in Osteoporosis. <i>Stem Cells</i> , 2016 , 34, 2332-41	5.8	41
48	Rationale of 3,3',5,5'-Tetramethylbenzidine as the Chromogenic Substrate in Colorimetric Analysis. <i>Analytical Chemistry</i> , 2020 , 92, 12400-12406	7.8	37
47	Advances in mesenchymal stem cell transplantation for the treatment of osteoporosis. <i>Cell Proliferation</i> , 2021 , 54, e12956	7.9	36
46	Capsid-like supramolecular dendritic systems as pH-responsive nanocarriers for drug penetration and site-specific delivery. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016 , 12, 355-64	6	31
45	RSPO3-LGR4 Regulates Osteogenic Differentiation Of Human Adipose-Derived Stem Cells Via ERK/FGF Signalling. <i>Scientific Reports</i> , 2017 , 7, 42841	4.9	30
44	Co-administration of aspirin and allogeneic adipose-derived stromal cells attenuates bone loss in ovariectomized rats through the anti-inflammatory and chemotactic abilities of aspirin. <i>Stem Cell Research and Therapy</i> , 2015 , 6, 200	8.3	28

43	Tumor-adapting and tumor-remodeling AuNR@dendrimer-assembly nanohybrids overcome impermeable multidrug-resistant cancer. <i>Materials Horizons</i> , 2018 , 5, 1047-1057	14.4	26
42	Reduced paralimbic system gray matter volume in schizophrenia: Correlations with clinical variables, symptomatology and cognitive function. <i>Journal of Psychiatric Research</i> , 2015 , 65, 80-6	5.2	25
41	Effects of heterodimeric bone morphogenetic protein-2/7 on osteogenesis of human adipose-derived stem cells. <i>Cell Proliferation</i> , 2015 , 48, 650-60	7.9	23
40	Supramolecular Hydrogels Based on Nanoclay and Guanidine-Rich Chitosan: Injectable and Moldable Osteoinductive Carriers. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 16088-16096	9.5	22
39	Bi-functionalization of a calcium phosphate-coated titanium surface with slow-release simvastatin and metronidazole to provide antibacterial activities and pro-osteodifferentiation capabilities. <i>PLoS ONE</i> , 2014 , 9, e97741	3.7	22
38	Protein deubiquitinase USP7 is required for osteogenic differentiation of human adipose-derived stem cells. <i>Stem Cell Research and Therapy</i> , 2017 , 8, 186	8.3	19
37	SIRT6 promotes osteogenic differentiation of mesenchymal stem cells through BMP signaling. <i>Scientific Reports</i> , 2017 , 7, 10229	4.9	18
36	Bioreducible Peptide-Dendrimeric Nanogels with Abundant Expanded Voids for Efficient Drug Entrapment and Delivery. <i>Biomacromolecules</i> , 2017 , 18, 3498-3505	6.9	18
35	Inhibition of SLC7A11 by Sulfasalazine Enhances Osteogenic Differentiation of Mesenchymal Stem Cells by Modulating BMP2/4 Expression and Suppresses Bone Loss in Ovariectomized Mice. <i>Journal of Bone and Mineral Research</i> , 2017 , 32, 508-521	6.3	17
34	Inhibition of PTGS1 promotes osteogenic differentiation of adipose-derived stem cells by suppressing NF- κ B signaling. <i>Stem Cell Research and Therapy</i> , 2019 , 10, 57	8.3	15
33	Apoptotic vesicles restore liver macrophage homeostasis to counteract type 2 diabetes. <i>Journal of Extracellular Vesicles</i> , 2021 , 10, e12109	16.4	14
32	Apatite-binding nanoparticulate agonist of hedgehog signaling for bone repair. <i>Advanced Functional Materials</i> , 2020 , 30, 1909218	15.6	14
31	Mitochondrial Phosphoenolpyruvate Carboxykinase Regulates Osteogenic Differentiation by Modulating AMPK/ULK1-Dependent Autophagy. <i>Stem Cells</i> , 2019 , 37, 1542-1555	5.8	11
30	LRRC15 promotes osteogenic differentiation of mesenchymal stem cells by modulating p65 cytoplasmic/nuclear translocation. <i>Stem Cell Research and Therapy</i> , 2018 , 9, 65	8.3	11
29	Bioinspired Therapeutic Dendrimers as Efficient Peptide Drugs Based on Supramolecular Interactions for Tumor Inhibition. <i>Angewandte Chemie</i> , 2015 , 127, 4363-4368	3.6	11
28	A prospective, multi-center study assessing early loading with short implants in posterior regions. A 3-year post-loading follow-up study. <i>Clinical Implant Dentistry and Related Research</i> , 2018 , 20, 34-42	3.9	11
27	Human adipose-derived stem cells and simvastatin-functionalized biomimetic calcium phosphate to construct a novel tissue-engineered bone. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 495, 1264-1270	3.4	8
26	LAMA2 regulates the fate commitment of mesenchymal stem cells via hedgehog signaling. <i>Stem Cell Research and Therapy</i> , 2020 , 11, 135	8.3	6

25	UNC-5 netrin receptor B mediates osteogenic differentiation by modulating bone morphogenetic protein signaling in human adipose-derived stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 495, 1167-1174	3.4	6
24	Integration analysis of methylation quantitative trait loci and GWAS identify three schizophrenia risk variants. <i>Neuropsychopharmacology</i> , 2020 , 45, 1179-1187	8.7	5
23	The Current Situation and Future Prospects of Simulators in Dental Education. <i>Journal of Medical Internet Research</i> , 2021 , 23, e23635	7.6	5
22	Air pollution interacts with genetic risk to influence cortical networks implicated in depression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	4
21	Altered Resting-State Brain Activity in Schizophrenia and Obsessive-Compulsive Disorder Compared With Non-psychiatric Controls: Commonalities and Distinctions Across Disorders. <i>Frontiers in Psychiatry</i> , 2021 , 12, 681701	5	4
20	Knockdown of LAP2 inhibits osteogenic differentiation of human adipose-derived stem cells by activating NF- κ B. <i>Stem Cell Research and Therapy</i> , 2020 , 11, 263	8.3	3
19	DUSP5 Promotes Osteogenic Differentiation Through SCP1/2-Dependent Phosphorylation of SMAD1. <i>Stem Cells</i> , 2021 , 39, 1395-1409	5.8	3
18	DUSP5 promotes osteogenic differentiation through SCP1/2-dependent phosphorylation of SMAD1. <i>Stem Cells</i> , 2021 , 39, 1395-1409	5.8	3
17	Comparative efficacy and safety of radiotherapy/cetuximab radiotherapy/chemotherapy for locally advanced head and neck squamous cell carcinoma patients: a systematic review of published, primarily non-randomized, data. <i>Therapeutic Advances in Medical Oncology</i> , 2020 , 12, 1758835920975355	5.4	3
16	CDC20 promotes bone formation via APC/C dependent ubiquitination and degradation of p65. <i>EMBO Reports</i> , 2021 , 22, e52576	6.5	3
15	Childhood urbanicity interacts with polygenic risk for depression to affect stress-related medial prefrontal function. <i>Translational Psychiatry</i> , 2021 , 11, 522	8.6	2
14	Childhood urbanization affects prefrontal cortical responses to trait anxiety and interacts with polygenic risk for depression		2
13	Distinct Effects of Social Stress on Working Memory in Obsessive-Compulsive Disorder. <i>Neuroscience Bulletin</i> , 2021 , 37, 81-93	4.3	2
12	Heterodimeric BMP-2/7 exhibits different osteoinductive effects in human and murine cells. <i>Growth Factors</i> , 2018 , 36, 141-152	1.6	2
11	Cancer Therapy: Virion-Like Membrane-Breaking Nanoparticles with Tumor-Activated Cell-and-Tissue Dual-Penetration Conquer Impermeable Cancer (Adv. Mater. 27/2018). <i>Advanced Materials</i> , 2018 , 30, 1870199	24	2
10	Overlapping common genetic architecture between major depressive disorders and anxiety and stress-related disorders. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2022 , 113, 110450	5.5	1
9	Common and Distinct Alterations of Cognitive Function and Brain Structure in Schizophrenia and Major Depressive Disorder: A Pilot Study. <i>Frontiers in Psychiatry</i> , 2021 , 12, 705998	5	1
8	Co-delivery of simvastatin and demineralized bone matrix hierarchically from nanosheet-based supramolecular hydrogels for osteogenesis. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 7741-7750	7.3	1

7	Mixed Reality and Haptic-Based Dental Simulator for Tooth Preparation: Research, Development, and Preliminary Evaluation.. <i>JMIR Serious Games</i> , 2022 , 10, e30653	3.4	○
6	Assessment of the relationships between genetic determinants of thyroid functions and bipolar disorder: A mendelian randomization study. <i>Journal of Affective Disorders</i> , 2022 , 298, 373-380	6.6	○
5	Osteoclasts may contribute bone substitute materials remodeling and bone formation in bone augmentation. <i>Medical Hypotheses</i> , 2020 , 135, 109438	3.8	○
4	Childhood Maltreatment Was Correlated With the Decreased Cortical Function in Depressed Patients Under Social Stress in a Working Memory Task: A Pilot Study. <i>Frontiers in Psychiatry</i> , 2021 , 12, 671574	5	○
3	Pharmacokinetics, distribution and excretion of inulin-type fructan CPA after oral or intravenous administration to mice.. <i>Food and Function</i> , 2022 , 13, 4130-4141	6.1	○
2	Innenrücktitelbild: Bioinspired Therapeutic Dendrimers as Efficient Peptide Drugs Based on Supramolecular Interactions for Tumor Inhibition (Angew. Chem. 14/2015). <i>Angewandte Chemie</i> , 2015 , 127, 4477-4477	3.6	
1	UNC-5 netrin receptor B regulates adipogenesis of human adipose-derived stem cells through JNK pathway. <i>Journal of Oral Rehabilitation</i> , 2020 , 47 Suppl 1, 91-98	3.4	