

Xiao-Tao He

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,057
citations

394421

19
h-index

477307

29
g-index

30
all docs

30
docs citations

30
times ranked

1358
citing authors

#	ARTICLE	IF	CITATIONS
1	Concise Review: Periodontal Tissue Regeneration Using Stem Cells: Strategies and Translational Considerations. <i>Stem Cells Translational Medicine</i> , 2019, 8, 392-403.	3.3	127
2	Building capacity for macrophage modulation and stem cell recruitment in high-stiffness hydrogels for complex periodontal regeneration: Experimental studies in vitro and in rats. <i>Acta Biomaterialia</i> , 2019, 88, 162-180.	8.3	90
3	Macrophage involvement affects matrix stiffness-related influences on cell osteogenesis under three-dimensional culture conditions. <i>Acta Biomaterialia</i> , 2018, 71, 132-147.	8.3	72
4	Influences of age-related changes in mesenchymal stem cells on macrophages during in-vitro culture. <i>Stem Cell Research and Therapy</i> , 2017, 8, 153.	5.5	55
5	The effects of conditioned media generated by polarized macrophages on the cellular behaviours of bone marrow mesenchymal stem cells. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 1302-1315.	3.6	54
6	Biomaterials for endogenous regenerative medicine: Coaxing stem cell homing and beyond. <i>Applied Materials Today</i> , 2018, 11, 144-165.	4.3	52
7	The proangiogenic effects of extracellular vesicles secreted by dental pulp stem cells derived from periodontally compromised teeth. <i>Stem Cell Research and Therapy</i> , 2020, 11, 110.	5.5	43
8	Administration of signalling molecules dictates stem cell homing for <i>in situ</i> regeneration. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 3162-3177.	3.6	41
9	The analgesic effects of triptolide in the bone cancer pain rats via inhibiting the upregulation of HDACs in spinal glial cells. <i>Journal of Neuroinflammation</i> , 2017, 14, 213.	7.2	39
10	Modulating macrophage responses to promote tissue regeneration by changing the formulation of bone extracellular matrix from filler particles to gel bioscaffolds. <i>Materials Science and Engineering C</i> , 2019, 101, 330-340.	7.3	39
11	Exosomes derived from M0, M1 and M2 macrophages exert distinct influences on the proliferation and differentiation of mesenchymal stem cells. <i>PeerJ</i> , 2020, 8, e8970.	2.0	39
12	Pore size-mediated macrophage M1-to-M2 transition influences new vessel formation within the compartment of a scaffold. <i>Applied Materials Today</i> , 2020, 18, 100466.	4.3	36
13	Role of molybdenum in material immunomodulation and periodontal wound healing: Targeting immunometabolism and mitochondrial function for macrophage modulation. <i>Biomaterials</i> , 2022, 283, 121439.	11.4	34
14	Suppression of histone deacetylases by SAHA relieves bone cancer pain in rats via inhibiting activation of glial cells in spinal dorsal horn and dorsal root ganglia. <i>Journal of Neuroinflammation</i> , 2020, 17, 125.	7.2	33
15	Engineering a Cell Home for Stem Cell Homing and Accommodation. <i>Advanced Biology</i> , 2017, 1, e1700004.	3.0	31
16	M2 Macrophages Enhance the Cementoblastic Differentiation of Periodontal Ligament Stem Cells via the Akt and JNK Pathways. <i>Stem Cells</i> , 2019, 37, 1567-1580.	3.2	30
17	Melatonin induces the rejuvenation of long-term ex vivo expanded periodontal ligament stem cells by modulating the autophagic process. <i>Stem Cell Research and Therapy</i> , 2021, 12, 254.	5.5	26
18	Neurochemical properties of the synapses between the parabrachial nucleus-derived CGRP-positive axonal terminals and the GABAergic neurons in the lateral capsular division of central nucleus of amygdala. <i>Molecular Neurobiology</i> , 2015, 51, 105-118.	4.0	24

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19	Periodontitis-compromised dental pulp stem cells secrete extracellular vesicles carrying miRNA-378a promote local angiogenesis by targeting Sufu to activate the Hedgehog/Gli1 signalling. <i>Cell Proliferation</i> , 2021, 54, e13026.	5.3	22
20	Neuron-restrictive silencer factor-mediated downregulation of μ -opioid receptor contributes to the reduced morphine analgesia in bone cancer pain. <i>Pain</i> , 2017, 158, 879-890.	4.2	21
21	Hypoxia and low-dose inflammatory stimulus synergistically enhance bone marrow mesenchymal stem cell migration. <i>Cell Proliferation</i> , 2017, 50, .	5.3	21
22	LncRNA GACAT2 binds with protein PKM1/2 to regulate cell mitochondrial function and cementogenesis in an inflammatory environment. <i>Bone Research</i> , 2022, 10, 29.	11.4	17
23	Human platelet lysate supports the formation of robust human periodontal ligament cell sheets. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 961-972.	2.7	15
24	Surface modification via plasmid-mediated pLAMA3-CM gene transfection promotes the attachment of gingival epithelial cells to titanium sheets <i>in vitro</i> and improves biological sealing at the transmucosal sites of titanium implants <i>in vivo</i> . <i>Journal of Materials Chemistry B</i> , 2019, 7, 7415-7427.	5.8	15
25	Inhibition of Histone Deacetylases Attenuates Morphine Tolerance and Restores MOR Expression in the DRG of BCP Rats. <i>Frontiers in Pharmacology</i> , 2018, 9, 509.	3.5	11
26	Advanced Biotechnologies Toward Engineering a Cell Home for Stem Cell Accommodation. <i>Advanced Materials Technologies</i> , 2017, 2, 1700022.	5.8	9
27	XPro1595 ameliorates bone cancer pain in rats via inhibiting p38-mediated glial cell activation and neuroinflammation in the spinal dorsal horn. <i>Brain Research Bulletin</i> , 2019, 149, 137-147.	3.0	8
28	The Critical Role of Cell Homing in Cytotherapeutics and Regenerative Medicine. <i>Advanced Therapeutics</i> , 2019, 2, 1800098.	3.2	8
29	Periodontal tissue engineering and regeneration. , 2020, , 1221-1249.		3