

# Longwei Lv

## List of Publications by Year in descending order

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29  
papers

1,406  
citations

430874

18  
h-index

501196

28  
g-index

32  
all docs

32  
docs citations

32  
times ranked

2087  
citing authors

#	ARTICLE	IF	CITATIONS
1	Four-dimensional bioprinting: Current developments and applications in bone tissue engineering. <i>Acta Biomaterialia</i> , 2020, 101, 26-42.	8.3	216
2	Exosomes derived from miR-375 overexpressing human adipose mesenchymal stem cells promote bone regeneration. <i>Cell Proliferation</i> , 2019, 52, e12669.	5.3	213
3	The nanoscale geometry of TiO <sub>2</sub> nanotubes influences the osteogenic differentiation of human adipose-derived stem cells by modulating H3K4 trimethylation. <i>Biomaterials</i> , 2015, 39, 193-205.	11.4	164
4	Advances in mesenchymal stem cell transplantation for the treatment of osteoporosis. <i>Cell Proliferation</i> , 2021, 54, e12956.	5.3	128
5	NIR light-assisted phototherapies for bone-related diseases and bone tissue regeneration: A systematic review. <i>Theranostics</i> , 2020, 10, 11837-11861.	10.0	68
6	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, 2332-2341.	3.2	61
7	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, 6015-6025.	11.4	54
8	The Current Situation and Future Prospects of Simulators in Dental Education. <i>Journal of Medical Internet Research</i> , 2021, 23, e23635.	4.3	49
9	RSPO3-LGR4 Regulates Osteogenic Differentiation Of Human Adipose-Derived Stem Cells Via ERK/FGF Signalling. <i>Scientific Reports</i> , 2017, 7, 42841.	3.3	48
10	Lysine-specific demethylase 1 inhibitor rescues the osteogenic ability of mesenchymal stem cells under osteoporotic conditions by modulating H3K4 methylation. <i>Bone Research</i> , 2016, 4, 16037.	11.4	42
11	Effects of thermal treatment on the adhesion strength and osteoinductive activity of single-layer graphene sheets on titanium substrates. <i>Scientific Reports</i> , 2018, 8, 8141.	3.3	41
12	Inhibition of PTGS1 promotes osteogenic differentiation of adipose-derived stem cells by suppressing NF- $\kappa$ B signaling. <i>Stem Cell Research and Therapy</i> , 2019, 10, 57.	5.5	33
13	Protein deubiquitinase USP7 is required for osteogenic differentiation of human adipose-derived stem cells. <i>Stem Cell Research and Therapy</i> , 2017, 8, 186.	5.5	31
14	Biomaterial Cues Regulate Epigenetic State and Cell Functions – A Systematic Review. <i>Tissue Engineering - Part B: Reviews</i> , 2018, 24, 112-132.	4.8	31
15	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.	2.8	28
16	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.	2.5	26
17	LRRC15 promotes osteogenic differentiation of mesenchymal stem cells by modulating p65 cytoplasmic/nuclear translocation. <i>Stem Cell Research and Therapy</i> , 2018, 9, 65.	5.5	22
18	The epigenetic mechanisms of nanotopography-guided osteogenic differentiation of mesenchymal stem cells via high-throughput transcriptome sequencing. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 5605-5623.	6.7	22

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19	SIRT6 promotes osteogenic differentiation of mesenchymal stem cells through BMP signaling. <i>Scientific Reports</i> , 2017, 7, 10229.	3.3	21
20	Mitochondrial Phosphoenolpyruvate Carboxykinase Regulates Osteogenic Differentiation by Modulating AMPK/ULK1-Dependent Autophagy. <i>Stem Cells</i> , 2019, 37, 1542-1555.	3.2	18
21	Mirâ€137 knockdown promotes the osteogenic differentiation of human adiposeâ€derived stem cells via the LSD1/BMP2/SMAD4 signaling network. <i>Journal of Cellular Physiology</i> , 2020, 235, 909-919.	4.1	17
22	Extracellular vesicles as a novel therapeutic tool for cellâ€free regenerative medicine in oral rehabilitation. <i>Journal of Oral Rehabilitation</i> , 2020, 47, 29-54.	3.0	16
23	CDC20 promotes bone formation via APC/C dependent ubiquitination and degradation of p65. <i>EMBO Reports</i> , 2021, 22, e52576.	4.5	13
24	Mixed Reality and Hapticâ€Based Dental Simulator for Tooth Preparation: Research, Development, and Preliminary Evaluation. <i>JMIR Serious Games</i> , 2022, 10, e30653.	3.1	13
25	The PCK2-glycolysis axis assists three-dimensional-stiffness maintaining stem cell osteogenesis. <i>Bioactive Materials</i> , 2022, 18, 492-506.	15.6	11
26	DUSP5 Promotes Osteogenic Differentiation Through SCP1/2-Dependent Phosphorylation of SMAD1. <i>Stem Cells</i> , 2021, 39, 1395-1409.	3.2	9
27	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.	2.1	7
28	DUSP5 promotes osteogenic differentiation through SCP1/2-dependent phosphorylation of SMAD1. <i>Stem Cells</i> , 2021, 39, 1395-1409.	3.2	3
29	UNCâ€5 netrin receptor B regulates adipogenesis of human adiposeâ€derived stem cells through JNK pathway. <i>Journal of Oral Rehabilitation</i> , 2020, 47, 91-98.	3.0	0