

# Chao Liu

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

1,306  
citations

361413

20  
h-index

361022

35  
g-index

51  
all docs

51  
docs citations

51  
times ranked

2012  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Bibliometric Analysis of the Top-Cited Articles on Diabetic Foot Ulcers. <i>International Journal of Lower Extremity Wounds</i> , 2023, 22, 588-598.	1.1	2
2	Laparoscopic posterior pelvic exenteration and total vaginectomy for rectal squamous cell carcinoma: A video vignette. <i>Colorectal Disease</i> , 2022, 24, 1259-1260.	1.4	1
3	A Lightweight Semantic Segmentation Model of Wucai Seedlings Based on Attention Mechanism. <i>Photonics</i> , 2022, 9, 393.	2.0	2
4	Mechanical loading attenuated negative effects of nucleotide analogue reverse-transcriptase inhibitor TDF on bone repair via Wnt/ $\beta^2$ -catenin pathway. <i>Bone</i> , 2022, 161, 116449.	2.9	2
5	Metallic Scaffold with Micron-Scale Geometrical Cues Promotes Osteogenesis and Angiogenesis via the ROCK/Myosin/YAP Pathway. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 3498-3514.	5.2	5
6	Whole-genome analysis of probiotic product isolates reveals the presence of genes related to antimicrobial resistance, virulence factors, and toxic metabolites, posing potential health risks. <i>BMC Genomics</i> , 2021, 22, 210.	2.8	30
7	Motion Pattern Optimization and Energy Analysis for Underwater Glider Based on the Multi-Objective Artificial Bee Colony Method. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 327.	2.6	6
8	Issues related to the health status, work pressure and occupational environments of medical staff at level A tertiary public hospitals in Shanghai. <i>Annals of Palliative Medicine</i> , 2021, 10, 8190-8202.	1.2	6
9	Laparoscopic sphincter-preserving total pelvic exenteration for recurrent cervical cancer –A Video Vignette. <i>Colorectal Disease</i> , 2021, , .	1.4	0
10	Relationship Between First 24-h Mean Body Temperature and Clinical Outcomes of Post-cardiac Surgery Patients. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 746228.	2.4	6
11	Renal Denervation Mitigated Fecal Microbiota Aberrations in Rats with Chronic Heart Failure. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-17.	1.2	4
12	Targeting Uric Acid Prevents Brain Injury and Anxiety in a Rat Model of Hemorrhagic Shock. <i>Shock</i> , 2021, 56, 298-307.	2.1	7
13	Mechanical loading alleviated the inhibition of $\beta^2$ -adrenergic receptor agonist terbutaline on bone regeneration. <i>FASEB Journal</i> , 2021, 35, e22033.	0.5	6
14	Correlation Analysis Between Basic Diseases and Subsequent Vertebral Fractures After Percutaneous Kyphoplasty (PKP) for Osteoporotic Vertebral Compression Fractures. <i>Pain Physician</i> , 2021, 24, E803-E810.	0.4	2
15	Broiler stunned state detection based on an improved fast region-based convolutional neural network algorithm. <i>Poultry Science</i> , 2020, 99, 637-646.	3.4	10
16	KLF2+ stemness maintains human mesenchymal stem cells in bone regeneration. <i>Stem Cells</i> , 2020, 38, 395-409.	3.2	15
17	Influence of environmental conditions on drying efficiency and heat pump performance in closed and open loop drying of paddy. <i>Drying Technology</i> , 2020, 38, 2217-2230.	3.1	5
18	Cells Involved in Mechanotransduction Including Mesenchymal Stem Cells. , 2020, , 311-332.		2

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19	Dendrobium officinale Kimura et Migo and American ginseng mixture: A Chinese herbal formulation for gut microbiota modulation. Chinese Journal of Natural Medicines, 2020, 18, 446-459.	1.3	15
20	Site-specific Load-induced Expansion of Sca1 <sup>+</sup> Prrx1 <sup>+</sup> and Sca1 <sup>+</sup> Prrx1 <sup>+</sup> Cells in Adult Mouse Long Bone Is Attenuated With Age. JBMR Plus, 2019, 3, e10199.	2.7	15
21	Mechanical Loading Promotes the Expansion of Primitive Osteoprogenitors and Organizes Matrix and Vascular Morphology in Long Bone Defects. Journal of Bone and Mineral Research, 2019, 34, 896-910.	2.8	35
22	Targeting Osteogenesis-Angiogenesis Coupling for Bone Repair. Journal of the American Academy of Orthopaedic Surgeons, The, 2018, 26, e153-e155.	2.5	16
23	Mechanical regulation of breast cancer migration and apoptosis via direct and indirect osteocyte signaling. Journal of Cellular Biochemistry, 2018, 119, 5665-5675.	2.6	44
24	Effects of mechanical loading on cortical defect repair using a novel mechanobiological model of bone healing. Bone, 2018, 108, 145-155.	2.9	50
25	Enhanced Osteointegration of Hierarchical Structured 3D-Printed Titanium Implants. ACS Applied Bio Materials, 2018, 1, 90-99.	4.6	13
26	Induction of pro-inflammatory genes by serum amyloid A1 in human amnion fibroblasts. Scientific Reports, 2017, 7, 693.	3.3	35
27	Role of NF- $\kappa$ B/GATA3 in the inhibition of lysyl oxidase by IL-1 $\beta$ in human amnion fibroblasts. Immunology and Cell Biology, 2017, 95, 943-952.	2.3	18
28	Nanotopographic Regulation of Human Mesenchymal Stem Cell Osteogenesis. ACS Applied Materials & Interfaces, 2017, 9, 41794-41806.	8.0	52
29	Engineering prevascularized composite cell sheet by light-induced cell sheet technology. RSC Advances, 2017, 7, 32468-32477.	3.6	9
30	The Selective Serotonin Reuptake Inhibitor Fluoxetine Directly Inhibits Osteoblast Differentiation and Mineralization During Fracture Healing in Mice. Journal of Bone and Mineral Research, 2017, 32, 821-833.	2.8	51
31	Autophagic Degradation of Collagen 1A1 by Cortisol in Human Amnion Fibroblasts. Endocrinology, 2017, 158, 1005-1014.	2.8	23
32	Automated left heart chamber volumetric assessment using three-dimensional echocardiography in Chinese adolescents. Journal of Animal Science and Technology, 2017, 4, 53-61.	2.5	10
33	Compartmentalized localization of 11 $\beta$ -HSD 1 and 2 at the fetomaternal interface in the first trimester of human pregnancy. Placenta, 2016, 46, 63-71.	1.5	19
34	Induction of Amnion Epithelial Apoptosis by Cortisol via tPA/Plasmin System. Endocrinology, 2016, 157, 4487-4498.	2.8	22
35	Effect of PFOS on glucocorticoid-induced changes in human decidual stromal cells in the first trimester of pregnancy. Reproductive Toxicology, 2016, 63, 142-150.	2.9	17
36	Osteoblast-derived paracrine factors regulate angiogenesis in response to mechanical stimulation. Integrative Biology (United Kingdom), 2016, 8, 785-794.	1.3	35

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37	IL-1 $\beta$ promotes ADAMTS enzyme-mediated aggrecan degradation through NF- $\kappa$ B in human intervertebral disc. <i>Journal of Orthopaedic Surgery and Research</i> , 2015, 10, 159.	2.3	34
38	Bone cell mechanobiology using micro- and nano-techniques. , 2015, , 245-265.		2
39	Gambogic acid inhibits osteoclast formation and ovariectomy-induced osteoporosis by suppressing the JNK, p38 and Akt signalling pathways. <i>Biochemical Journal</i> , 2015, 469, 399-408.	3.7	29
40	Mechanical loading up-regulates early remodeling signals from osteocytes subjected to physical damage. <i>Journal of Biomechanics</i> , 2015, 48, 4221-4228.	2.1	13
41	Osteocyte culture in microfluidic devices. <i>Biomicrofluidics</i> , 2015, 9, 014109.	2.4	12
42	The Changes in the Expression of NF-KB in a Degenerative Human Intervertebral Disc model. <i>Cell Biochemistry and Biophysics</i> , 2015, 72, 115-122.	1.8	37
43	Bone's responses to mechanical loading are impaired in type 1 diabetes. <i>Bone</i> , 2015, 81, 152-160.	2.9	53
44	The role of the sphingosine-1-phosphate signaling pathway in osteocyte mechanotransduction. <i>Bone</i> , 2015, 79, 71-78.	2.9	33
45	Phosphorylation of STAT3 mediates the induction of cyclooxygenase-2 by cortisol in the human amnion at parturition. <i>Science Signaling</i> , 2015, 8, ra106.	3.6	51
46	Quantitative estimation of the high-intensity zone in the lumbar spine: comparison between the symptomatic and asymptomatic population. <i>Spine Journal</i> , 2014, 14, 391-396.	1.3	26
47	Degenerative changes in the interspinous ligament. <i>Acta Orthopaedica Et Traumatologica Turcica</i> , 2014, 48, 661-666.	0.8	5
48	Osteocyte apoptosis is mechanically regulated and induces angiogenesis in vitro. <i>Journal of Orthopaedic Research</i> , 2011, 29, 523-530.	2.3	62
49	Boning up on Wolff's Law: Mechanical regulation of the cells that make and maintain bone. <i>Journal of Biomechanics</i> , 2010, 43, 108-118.	2.1	290
50	Effects of cyclic hydraulic pressure on osteocytes. <i>Bone</i> , 2010, 46, 1449-1456.	2.9	69
51	Modified straight leg raising test: A hypothetical clinical adjunct to distinguish two types of lumbar disc herniation preoperatively. <i>Medical Hypotheses</i> , 2009, 73, 52-55.	1.5	0