

Tianyong Hou

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

1,424
citations

331259

21
h-index

344852

36
g-index

52
all docs

52
docs citations

52
times ranked

2425
citing authors

#	ARTICLE	IF	CITATIONS
1	The clinical use of the enriched bone marrow obtained by selective cell retention technology in treating adolescent idiopathic scoliosis. <i>Journal of Orthopaedic Translation</i> , 2021, 27, 146-152.	1.9	3
2	Tricortical iliac crest allograft with anterolateral single rod screw instrumentation in the treatment of thoracic and lumbar spinal tuberculosis. <i>Scientific Reports</i> , 2020, 10, 13037.	1.6	6
3	Comparison of Individual Tissue-Engineered Bones and Allogeneic Bone in Treating Bone Defects: A Long-Term Follow-Up Study. <i>Cell Transplantation</i> , 2020, 29, 096368972094072.	1.2	2
4	Modification of PLGA Scaffold by MSC-Derived Extracellular Matrix Combats Macrophage Inflammation to Initiate Bone Regeneration via TGF- β -Induced Protein. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000353.	3.9	48
5	Transforaminal debridement with a posterior-only approach involving placement of an interbody bone graft combined with diseased vertebral fixation for the treatment of thoracic and lumbar tuberculosis. <i>Medicine (United States)</i> , 2020, 99, e20359.	0.4	1
6	Individual Tissue-Engineered Bone in Repairing Bone Defects: A 10-Year Follow-Up Study. <i>Tissue Engineering - Part A</i> , 2020, 26, 896-904.	1.6	11
7	Bone Marrow-Derived CD44+ Cells Migrate to Tissue-Engineered Constructs via SDF-1/CXCR4-JNK Pathway and Aid Bone Repair. <i>Stem Cells International</i> , 2019, 2019, 1-14.	1.2	11
8	Can a posterior approach effectively heal thoracic and lumbar tuberculosis? Microbiology outcomes of the operative area. <i>Journal of Orthopaedic Surgery and Research</i> , 2019, 14, 24.	0.9	10
9	MSC-derived exosomes promote osteoclastogenesis through LncRNA MALAT1. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 3843-3854.	1.6	72
10	A Standardized and Quality-Controllable Protocol of Constructing Individual Tissue-Engineered Grafts Applicable to Treating Large Bone Defects. <i>Tissue Engineering - Part C: Methods</i> , 2019, 25, 137-147.	1.1	9
11	Clinical and radiological results comparison of allograft and polyetheretherketone cage for one to two-level anterior cervical discectomy and fusion. <i>Medicine (United States)</i> , 2019, 98, e17935.	0.4	17
12	Multiple parameters for evaluating posterior longitudinal ligaments in thoracolumbar burst fractures. <i>Der Orthopade</i> , 2019, 48, 420-425.	0.7	2
13	Drug Delivery: Graphene-Based MicroRNA Transfection Blocks Preosteoclast Fusion to Increase Bone Formation and Vascularization (<i>Adv. Sci.</i> 2/2018). <i>Advanced Science</i> , 2018, 5, 1870009.	5.6	2
14	Estrogen Deficiency-Mediated M2 Macrophage Osteoclastogenesis Contributes to M1/M2 Ratio Alteration in Ovariectomized Osteoporotic Mice. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 899-908.	3.1	96
15	Surgical Treatment of Thoracic Spinal Tuberculosis: A Multicenter Retrospective Study. <i>World Neurosurgery</i> , 2018, 110, e842-e850.	0.7	35
16	IGFBP3 deposited in the human umbilical cord mesenchymal stem cell-secreted extracellular matrix promotes bone formation. <i>Journal of Cellular Physiology</i> , 2018, 233, 5792-5804.	2.0	23
17	Mesenchymal stem cells promote endothelial progenitor cell migration, vascularization, and bone repair in tissue-engineered constructs via activating CXCR2- Src- PKL/Vav2-Rac1. <i>FASEB Journal</i> , 2018, 32, 2197-2211.	0.2	37
18	Endothelial Progenitor Cells Enhance the Migration and Osteoclastic Differentiation of Bone Marrow-Derived Macrophages in vitro and in a Mouse Femur Fracture Model through Talin-1. <i>Cellular Physiology and Biochemistry</i> , 2018, 49, 555-564.	1.1	14

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19	IL-8 Enhances Therapeutic Effects of BMSCs on Bone Regeneration via CXCR2-Mediated PI3k/Akt Signaling Pathway. <i>Cellular Physiology and Biochemistry</i> , 2018, 48, 361-370.	1.1	53
20	1,25(OH)D suppresses proinflammatory responses by inhibiting Th1 cell differentiation and cytokine production through the JAK/STAT pathway. <i>American Journal of Translational Research (discontinued)</i> , 2018, 10, 2737-2746.	0.0	15
21	A nano-scaled and multi-layered recombinant fibronectin/cadherin chimera composite selectively concentrates osteogenesis-related cells and factors to aid bone repair. <i>Acta Biomaterialia</i> , 2017, 53, 470-482.	4.1	19
22	A Retrospective Study of Thoracolumbar Fractures Treated with Fixation and Nonfusion Surgery of Intravertebral Bone Graft Assisted with Balloon Kyphoplasty. <i>World Neurosurgery</i> , 2017, 108, 798-806.	0.7	7
23	Long noncoding RNA expression profiles in chondrogenic and hypertrophic differentiation of mouse mesenchymal stem cells. <i>Functional and Integrative Genomics</i> , 2017, 17, 739-749.	1.4	12
24	The influence of L4â€“S1 DynesysÂ® dynamic stabilization versus fusion on lumbar motion and its relationship with lumbar degeneration: a retrospective study. <i>Journal of Orthopaedic Surgery and Research</i> , 2017, 12, 99.	0.9	16
25	TGFÎ²3 recruits endogenous mesenchymal stem cells to initiate bone regeneration. <i>Stem Cell Research and Therapy</i> , 2017, 8, 258.	2.4	32
26	Cordycepin Prevents Bone Loss through Inhibiting Osteoclastogenesis by Scavenging ROS Generation. <i>Nutrients</i> , 2016, 8, 231.	1.7	29
27	Sustained release of bioactive protein from a lyophilized tissueâ€“engineered construct promotes the osteogenic potential of mesenchymal stem cells. <i>Journal of Orthopaedic Research</i> , 2016, 34, 386-394.	1.2	10
28	HDAC2 regulates FoxO1 during RANKL-induced osteoclastogenesis. <i>American Journal of Physiology - Cell Physiology</i> , 2016, 310, C780-C787.	2.1	29
29	A High-Adhesive Lysine-Cyclic RGD Peptide Designed for Selective Cell Retention Technology. <i>Tissue Engineering - Part C: Methods</i> , 2016, 22, 585-595.	1.1	13
30	Tissue-engineered bone treating simple bone cystâ€“a new strategy. <i>Journal of Surgical Research</i> , 2016, 200, 544-551.	0.8	12
31	Changing expression profiles of lncRNAs, mRNAs, circRNAs and miRNAs during osteoclastogenesis. <i>Scientific Reports</i> , 2016, 6, 21499.	1.6	157
32	Knockdown of TNFR1 Suppresses Expression of TLR2 in the Cellular Response to <i>Staphylococcus aureus</i> Infection. <i>Inflammation</i> , 2016, 39, 798-806.	1.7	10
33	Repeated microendoscopic discectomy for recurrent lumbar disk herniation. <i>Clinics</i> , 2015, 70, 120-125.	0.6	19
34	Improved Monosegment Pedicle Instrumentation for Treatment of Thoracolumbar Incomplete Burst Fractures. <i>BioMed Research International</i> , 2015, 2015, 1-7.	0.9	7
35	Pitavastatin attenuates monocyte activation in response to orthopedic implant-derived wear particles by suppressing the NF-Î²B signaling pathway. <i>Molecular Medicine Reports</i> , 2015, 12, 6932-6938.	1.1	6
36	Treatment effect, postoperative complications, and their reasons in juvenile thoracic and lumbar spinal tuberculosis surgery. <i>Journal of Orthopaedic Surgery and Research</i> , 2015, 10, 156.	0.9	8

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37	Umbilical Cord Wharton's Jelly Repeated Culture System: A New Device and Method for Obtaining Abundant Mesenchymal Stem Cells for Bone Tissue Engineering. <i>PLoS ONE</i> , 2014, 9, e110764.	1.1	5
38	Could high-concentration rifampicin kill rifampicin-resistant <i>M. tuberculosis</i> ? Rifampicin MIC test in rifampicin-resistant isolates from patients with osteoarticular tuberculosis. <i>Journal of Orthopaedic Surgery and Research</i> , 2014, 9, 124.	0.9	7
39	The effect of mechanical stimulation on the maturation of TDSCs-poly(L-lactide-co-ε-caprolactone)/collagen scaffold constructs for tendon tissue engineering. <i>Biomaterials</i> , 2014, 35, 2760-2772.	5.7	97
40	A composite demineralized bone matrix " Self assembling peptide scaffold for enhancing cell and growth factor activity in bone marrow. <i>Biomaterials</i> , 2014, 35, 5689-5699.	5.7	55
41	Establishment of a bilateral femoral large segmental bone defect mouse model potentially applicable to basic research in bone tissue engineering. <i>Journal of Surgical Research</i> , 2014, 192, 454-463.	0.8	22
42	Anti-Infection Tissue Engineering Construct Treating Osteomyelitis in Rabbit Tibia. <i>Tissue Engineering - Part A</i> , 2013, 19, 255-263.	1.6	31
43	Vascular Endothelial Growth Factor and Physiological Compressive Loading Synergistically Promote Bone Formation of Tissue-Engineered Bone. <i>Tissue Engineering - Part A</i> , 2013, 19, 2486-2494.	1.6	10
44	MicroRNA-24 inhibits osteosarcoma cell proliferation both in vitro and in vivo by targeting LPAAT ² . <i>Archives of Biochemistry and Biophysics</i> , 2013, 535, 128-135.	1.4	57
45	Rapid and accurate detection of RMP- and INH- resistant <i>Mycobacterium tuberculosis</i> in spinal tuberculosis specimens by CapitalBio's DNA microarray: A prospective validation study. <i>BMC Infectious Diseases</i> , 2012, 12, 303.	1.3	41
46	Cellular Prostheses Fabricated with Motor Neurons Seeded in Self-Assembling Peptide Promotes Partial Functional Recovery After Spinal Cord Injury in Rats. <i>Tissue Engineering - Part A</i> , 2012, 18, 974-985.	1.6	11
47	Effects of Pulsed Electromagnetic Field Frequencies on the Osteogenic Differentiation of Human Mesenchymal Stem Cells. <i>Orthopedics</i> , 2012, 35, e526-31.	0.5	60
48	Epidemiological survey of idiopathic scoliosis and sequence alignment analysis of multiple candidate genes. <i>International Orthopaedics</i> , 2012, 36, 1307-1314.	0.9	8
49	Vascular Endothelial Growth Factor Release from Alginate Microspheres Under Simulated Physiological Compressive Loading and the Effect on Human Vascular Endothelial Cells. <i>Tissue Engineering - Part A</i> , 2011, 17, 1777-1785.	1.6	10
50	Controlled Dynamization to Enhance Reconstruction Capacity of Tissue-Engineered Bone in Healing Critically Sized Bone Defects: An <i>In Vivo</i> Study in Goats. <i>Tissue Engineering - Part A</i> , 2010, 16, 201-212.	1.6	23
51	Umbilical Cord Wharton's Jelly: A New Potential Cell Source of Mesenchymal Stromal Cells for Bone Tissue Engineering. <i>Tissue Engineering - Part A</i> , 2009, 15, 2325-2334.	1.6	80
52	In Vitro Evaluation of a Fibrin Gel Antibiotic Delivery System Containing Mesenchymal Stem Cells and Vancomycin Alginate Beads for Treating Bone Infections and Facilitating Bone Formation. <i>Tissue Engineering - Part A</i> , 2008, 14, 1173-1182.	1.6	54