

Hongbin Fan

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,577
citations

471509

17
h-index

477307

29
g-index

32
all docs

32
docs citations

32
times ranked

2205
citing authors

#	ARTICLE	IF	CITATIONS
1	Anterior cruciate ligament regeneration using mesenchymal stem cells and silk scaffold in large animal model. <i>Biomaterials</i> , 2009, 30, 4967-4977.	11.4	243
2	In vivo study of anterior cruciate ligament regeneration using mesenchymal stem cells and silk scaffold. <i>Biomaterials</i> , 2008, 29, 3324-3337.	11.4	190
3	Cartilage regeneration using mesenchymal stem cells and a PLGA-gelatin/chondroitin/hyaluronate hybrid scaffold. <i>Biomaterials</i> , 2006, 27, 4573-4580.	11.4	187
4	Enhanced differentiation of mesenchymal stem cells co-cultured with ligament fibroblasts on gelatin/silk fibroin hybrid scaffold. <i>Biomaterials</i> , 2008, 29, 1017-1027.	11.4	141
5	Implantation of customized 3-D printed titanium prosthesis in limb salvage surgery: a case series and review of the literature. <i>World Journal of Surgical Oncology</i> , 2015, 13, 308.	1.9	105
6	Porous gelatin-chondroitin-hyaluronate tri-copolymer scaffold containing microspheres loaded with TGF- β 1 induces differentiation of mesenchymal stem cells in vivo for enhancing cartilage repair. <i>Journal of Biomedical Materials Research - Part A</i> , 2006, 77A, 785-794.	4.0	94
7	TGF- β 3 immobilized PLGA-gelatin/chondroitin sulfate/hyaluronic acid hybrid scaffold for cartilage regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 95A, 982-992.	4.0	86
8	Gelatin Microspheres Containing TGF- β 3 Enhance the Chondrogenesis of Mesenchymal Stem Cells in Modified Pellet Culture. <i>Biomacromolecules</i> , 2008, 9, 927-934.	5.4	85
9	Efficacy of prevascularization for segmental bone defect repair using β -tricalcium phosphate scaffold in rhesus monkey. <i>Biomaterials</i> , 2014, 35, 7407-7415.	11.4	58
10	A general multi-objective topology optimization methodology developed for customized design of pelvic prostheses. <i>Medical Engineering and Physics</i> , 2019, 69, 8-16.	1.7	56
11	Functional regeneration of ligament-bone interface using a triphasic silk-based graft. <i>Biomaterials</i> , 2016, 106, 180-192.	11.4	49
12	Development of a Silk Cable-Reinforced Gelatin/Silk Fibroin Hybrid Scaffold for Ligament Tissue Engineering. <i>Cell Transplantation</i> , 2008, 17, 1389-1401.	2.5	38
13	Effects of Mechanical Stretch on Cell Proliferation and Matrix Formation of Mesenchymal Stem Cell and Anterior Cruciate Ligament Fibroblast. <i>Stem Cells International</i> , 2016, 2016, 1-10.	2.5	34
14	Implant Failure of Bryan Cervical Disc due to Broken Polyurethane Sheath. <i>Spine</i> , 2012, 37, E814-E816.	2.0	28
15	Immobilized Lentivirus Vector on Chondroitin Sulfate-Hyaluronate Acid-Silk Fibroin Hybrid Scaffold for Tissue-Engineered Ligament-Bone Junction. <i>BioMed Research International</i> , 2014, 2014, 1-10.	1.9	27
16	Comparison of Chondral Defects Repair with In Vitro and In Vivo Differentiated Mesenchymal Stem Cells. <i>Cell Transplantation</i> , 2007, 16, 823-832.	2.5	24
17	Giant cell tumor of axial vertebra: surgical experience of five cases and a review of the literature. <i>World Journal of Surgical Oncology</i> , 2015, 13, 62.	1.9	19
18	Prognostic value of tumoral and peritumoral magnetic resonance parameters in osteosarcoma patients for monitoring chemotherapy response. <i>European Radiology</i> , 2021, 31, 3518-3529.	4.5	19

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19	Reconstruction with customized, 3D-printed prosthesis after resection of periacetabular Ewing's sarcoma in children using "triradiate cartilage-based" surgical strategy: a technical note. <i>Journal of Orthopaedic Translation</i> , 2021, 28, 108-117.	3.9	19
20	Surgical Technique: Unicondylar Osteoallograft Prosthesis Composite in Tumor Limb Salvage Surgery. <i>Clinical Orthopaedics and Related Research</i> , 2012, 470, 3577-3586.	1.5	16
21	Identification of key biomarkers related to epithelial-mesenchymal transition and immune infiltration in ameloblastoma using integrated bioinformatics analysis. <i>Oral Diseases</i> , 2023, 29, 1657-1667.	3.0	13
22	Surgical management of pelvic Ewing's sarcoma in children and adolescents. <i>Oncology Letters</i> , 2017, 14, 3917-3926.	1.8	12
23	Effect of Thickness of HA-Coating on Microporous Silk Scaffolds Using Alternate Soaking Technology. <i>BioMed Research International</i> , 2014, 2014, 1-8.	1.9	10
24	Preclinical Strength Checking for Artificial Pelvic Prosthesis under Multi-activities - A Case Study. <i>Journal of Bionic Engineering</i> , 2019, 16, 1092-1102.	5.0	8
25	Stem Cells in Musculoskeletal Regeneration: From Benchtop to Bedside. <i>Stem Cells International</i> , 2016, 2016, 1-2.	2.5	4
26	Comparison between trabectedin and doxorubicin in soft-tissue sarcomas: a systematic review and meta-analysis. <i>Annals of Translational Medicine</i> , 2021, 9, 1764-1764.	1.7	4
27	Functional testing on engineered cartilage to identify the role played by shearing. <i>Medical Engineering and Physics</i> , 2018, 51, 17-23.	1.7	3
28	Investigating the protective effect of tanshinone IIA against chondrocyte dedifferentiation: a combined molecular biology and network pharmacology approach. <i>Annals of Translational Medicine</i> , 2021, 9, 249-249.	1.7	3
29	Clinical application of 3D-printed patient-specific guide plate combined with computer navigation in acetabular reconstruction following resection of periacetabular tumors. <i>Annals of Translational Medicine</i> , 2022, 10, 76-76.	1.7	0
30	Comparison between trabectedin and doxorubicin in soft-tissue sarcomas-reply letter. <i>Annals of Translational Medicine</i> , 2021, 10, 0-0.	1.7	0