

Baichuan Wang

List of Publications by Year in descending order

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42
papers

1,000
citations

430874

18
h-index

477307

29
g-index

44
all docs

44
docs citations

44
times ranked

1312
citing authors

#	ARTICLE	IF	CITATIONS
1	RIPK1/RIPK3/MLKL-mediated necroptosis contributes to compression-induced rat nucleus pulposus cells death. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2017, 22, 626-638.	4.9	99
2	HIF1A Alleviates compression-induced apoptosis of nucleus pulposus derived stem cells via upregulating autophagy. <i>Autophagy</i> , 2021, 17, 3338-3360.	9.1	82
3	Computer-aided designed, three dimensional-printed hemipelvic prosthesis for peri-acetabular malignant bone tumour. <i>International Orthopaedics</i> , 2018, 42, 687-694.	1.9	71
4	Prognostic significance of 8-hydroxy-2- α -deoxyguanosine in solid tumors: a meta-analysis. <i>BMC Cancer</i> , 2019, 19, 997.	2.6	53
5	Ultrafast Low-Temperature Photothermal Therapy Activates Autophagy and Recovers Immunity for Efficient Antitumor Treatment. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 4265-4275.	8.0	48
6	Intervertebral Disc-Derived Stem/Progenitor Cells as a Promising Cell Source for Intervertebral Disc Regeneration. <i>Stem Cells International</i> , 2018, 2018, 1-11.	2.5	42
7	Three-dimensional-printed intercalary prosthesis for the reconstruction of large bone defect after joint-preserving tumor resection. <i>Journal of Surgical Oncology</i> , 2020, 121, 570-577.	1.7	40
8	Functionalized self-assembling peptide nanofiber hydrogel as a scaffold for rabbit nucleus pulposus cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 646-653.	4.0	38
9	Promising application of Pulsed Electromagnetic Fields (PEMFs) in musculoskeletal disorders. <i>Biomedicine and Pharmacotherapy</i> , 2020, 131, 110767.	5.6	36
10	Hydrogen peroxide induces programmed necrosis in rat nucleus pulposus cells through the RIP1/RIP3- PARP - AIF pathway. <i>Journal of Orthopaedic Research</i> , 2018, 36, 1269-1282.	2.3	31
11	Hsa_circ_0000285 functions as a competitive endogenous RNA to promote osteosarcoma progression by sponging hsa-miRNA-599. <i>Gene Therapy</i> , 2020, 27, 186-195.	4.5	29
12	What are the Functional Results, Complications, and Outcomes of Using a Custom Unipolar Wrist Hemiarthroplasty for Treatment of Grade III Giant Cell Tumors of the Distal Radius?. <i>Clinical Orthopaedics and Related Research</i> , 2016, 474, 2583-2590.	1.5	28
13	Inhibiting Heat Shock Protein 90 Protects Nucleus Pulposus-Derived Stem/Progenitor Cells From Compression-Induced Necroptosis and Apoptosis. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 685.	3.7	26
14	Endoprosthesis reconstruction of the proximal humerus after tumour resection with polypropylene mesh. <i>International Orthopaedics</i> , 2015, 39, 501-506.	1.9	25
15	Downregulation of DEPTOR inhibits the proliferation, migration, and survival of osteosarcoma through PI3K/Akt/mTOR pathway. <i>OncoTargets and Therapy</i> , 2017, Volume 10, 4379-4391.	2.0	25
16	Designer Self-Assembling Peptide Nanofiber Scaffolds Containing Link Protein N-Terminal Peptide Induce Chondrogenesis of Rabbit Bone Marrow Stem Cells. <i>BioMed Research International</i> , 2014, 2014, 1-10.	1.9	22
17	High Birth Weight Increases the Risk for Bone Tumor: A Systematic Review and Meta-Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 11178-11195.	2.6	21
18	Link Protein N-Terminal Peptide as a Potential Stimulating Factor for Stem Cell-Based Cartilage Regeneration. <i>Stem Cells International</i> , 2018, 2018, 1-11.	2.5	20

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19	Simultaneous Recruitment of Stem Cells and Chondrocytes Induced by a Functionalized Self-Assembling Peptide Hydrogel Improves Endogenous Cartilage Regeneration. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 864.	3.7	20
20	Endogenous Repair and Regeneration of Injured Articular Cartilage: A Challenging but Promising Therapeutic Strategy. , 2021, 12, 886.		19
21	Activation of HSP70 impedes tert-butyl hydroperoxide (t-BHP)-induced apoptosis and senescence of human nucleus pulposus stem cells via inhibiting the JNK/c-Jun pathway. <i>Molecular and Cellular Biochemistry</i> , 2021, 476, 1979-1994.	3.1	18
22	Encapsulation of mesenchymal stem cells in chitosan/β2-glycerophosphate hydrogel for seeding on a novel calcium phosphate cement scaffold. <i>Medical Engineering and Physics</i> , 2018, 56, 9-15.	1.7	17
23	<p>The Personalized Shoulder Reconstruction Assisted by 3D Printing Technology After Resection of the Proximal Humerus Tumours<p>. <i>Cancer Management and Research</i> , 2019, Volume 11, 10665-10673.	1.9	17
24	Mitochondria-targeted accumulation of oxygen-irrelevant free radicals for enhanced synergistic low-temperature photothermal and thermodynamic therapy. <i>Journal of Nanobiotechnology</i> , 2021, 19, 390.	9.1	16
25	HSP70 attenuates compression-induced apoptosis of nucleus pulposus cells by suppressing mitochondrial fission via upregulating the expression of SIRT3. <i>Experimental and Molecular Medicine</i> , 2022, 54, 309-323.	7.7	16
26	Presacral Tarlov Cyst as an Unusual Cause of Abdominal Pain: New Case and Literature Review. <i>World Neurosurgery</i> , 2018, 110, 79-84.	1.3	14
27	Tauroursodeoxycholic Acid Protects Nucleus Pulposus Cells from Compression-Induced Apoptosis and Necroptosis via Inhibiting Endoplasmic Reticulum Stress. <i>Evidence-based Complementary and Alternative Medicine</i> , 2018, 2018, 1-11.	1.2	14
28	Wrist Reconstruction after En bloc Resection of Bone Tumors of the Distal Radius. <i>Orthopaedic Surgery</i> , 2021, 13, 376-383.	1.8	14
29	Reconstruction with constrained scapular prosthesis after total scapulectomy for scapular malignant tumor. <i>Journal of Surgical Oncology</i> , 2018, 118, 177-183.	1.7	13
30	Amplification of oxidative stress with lycorine and gold-based nanocomposites for synergistic cascade cancer therapy. <i>Journal of Nanobiotechnology</i> , 2021, 19, 221.	9.1	13
31	LncCCAT1 interaction protein PKM2 upregulates SREBP2 phosphorylation to promote osteosarcoma tumorigenesis by enhancing the Warburg effect and lipogenesis. <i>International Journal of Oncology</i> , 2022, 60, .	3.3	11
32	The synergistic anticancer effect of cisplatin combined with Oldenlandia diffusa in osteosarcoma MG-63 cell line in vitro. <i>OncoTargets and Therapy</i> , 2016, 9, 255.	2.0	10
33	<p>Prognostic Value of the Preoperative Lymphocyte-to-C-Reactive Protein Ratio and Albumin-to-Globulin Ratio in Patients with Osteosarcoma<p>. <i>OncoTargets and Therapy</i> , 2020, Volume 13, 12673-12681.	2.0	8
34	En bloc resection and intercalary prosthesis implantation for the treatment of humeral diaphyseal bone metastases. <i>International Orthopaedics</i> , 2021, 45, 281-288.	1.9	8
35	A novel skin-stretching device for closing large skin-soft tissue defects after soft tissue sarcoma resection. <i>World Journal of Surgical Oncology</i> , 2020, 18, 247.	1.9	7
36	Total sacrectomy with a combined antero-posterior surgical approach for malignant sacral tumours. <i>International Orthopaedics</i> , 2021, 45, 1347-1354.	1.9	7

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37	Giant chordoma in the thoracolumbar spine: a case report and literature review. <i>European Spine Journal</i> , 2017, 26, 95-99.	2.2	6
38	Reconstruction With 3D-Printed Prostheses After Sacroiliac Joint Tumor Resection: A Retrospective Case-Control Study. <i>Frontiers in Oncology</i> , 2021, 11, 764938.	2.8	5
39	Association between GSTP1 polymorphisms and prognosis of osteosarcoma in patients treated with chemotherapy: a meta-analysis. <i>OncoTargets and Therapy</i> , 2015, 8, 1835.	2.0	4
40	Application of the da Vinci surgical robot system in presacral nerve sheath tumor treatment. <i>Oncology Letters</i> , 2020, 20, 1-1.	1.8	3
41	A predictive model with a risk-classification system for cancer-specific survival in patients with primary osteosarcoma of long bone. <i>Translational Oncology</i> , 2022, 18, 101349.	3.7	3
42	Bone cement filling combined with lumbo-sacroiliac screw internal fixation in the treatment of benign sacroiliac joint tumours. <i>ANZ Journal of Surgery</i> , 2022, 92, 212-217.	0.7	0