

Xiaobo Feng

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

2,113
citations

236925

25
h-index

243625

44
g-index

48
all docs

48
docs citations

48
times ranked

2133
citing authors

#	ARTICLE	IF	CITATIONS
1	The enhanced photocatalytic sterilization of MOF-Based nanohybrid for rapid and portable therapy of bacteria-infected open wounds. <i>Bioactive Materials</i> , 2022, 13, 200-211.	15.6	47
2	Clinical Outcomes of Uniportal and Biportal Lumbar Endoscopic Unilateral Laminotomy for Bilateral Decompression in Patients with Lumbar Spinal Stenosis: A Retrospective Pair-Matched Case-Control Study. <i>World Neurosurgery</i> , 2022, 161, e134-e145.	1.3	17
3	Piezo-Augmented Sonosensitizer with Strong Ultrasound-Propelling Ability for Efficient Treatment of Osteomyelitis. <i>ACS Nano</i> , 2022, 16, 2546-2557.	14.6	56
4	Small extracellular vesicles with nanomorphology memory promote osteogenesis. <i>Bioactive Materials</i> , 2022, 17, 425-438.	15.6	13
5	Preoperative management and postoperative complications associated with transoral decompression for the upper cervical spine. <i>BMC Musculoskeletal Disorders</i> , 2022, 23, 128.	1.9	3
6	Cytosolic escape of mitochondrial DNA triggers cGAS-STING-NLRP3 axis-dependent nucleus pulposus cell pyroptosis. <i>Experimental and Molecular Medicine</i> , 2022, 54, 129-142.	7.7	94
7	m6A hypomethylation of DNMT3B regulated by ALKBH5 promotes intervertebral disc degeneration via E4F1 deficiency. <i>Clinical and Translational Medicine</i> , 2022, 12, e765.	4.0	27
8	WTAP-mediated m6A modification of lncRNA NORAD promotes intervertebral disc degeneration. <i>Nature Communications</i> , 2022, 13, 1469.	12.8	55
9	CircHGF suppressed cell proliferation and osteogenic differentiation of BMSCs in ONFH via inhibiting miR-25-3p binding to SMAD7. <i>Molecular Therapy - Nucleic Acids</i> , 2022, 28, 99-113.	5.1	20
10	Ultrasonic Interfacial Engineering of MoS ₂ -Modified Zn Single-Atom Catalysts for Efficient Osteomyelitis Sonodynamic Ion Therapy. <i>Small</i> , 2022, 18, e2105775.	10.0	43
11	Nanotopography Sequentially Mediates Human Mesenchymal Stem Cell-Derived Small Extracellular Vesicles for Enhancing Osteogenesis. <i>ACS Nano</i> , 2022, 16, 415-430.	14.6	18
12	Acid-sensing ion channels regulate nucleus pulposus cell inflammation and pyroptosis via the NLRP3 inflammasome in intervertebral disc degeneration. <i>Cell Proliferation</i> , 2021, 54, e12941.	5.3	105
13	An efficient treatment of biofilm-induced periodontitis using Pt nanocluster catalysis. <i>Nanoscale</i> , 2021, 13, 17912-17919.	5.6	10
14	Single-Atom Catalysis for Efficient Sonodynamic Therapy of Methicillin-Resistant <i>Staphylococcus aureus</i> -Infected Osteomyelitis. <i>ACS Nano</i> , 2021, 15, 10628-10639.	14.6	144
15	Autophagic Degradation of Gasdermin D Protects against Nucleus Pulposus Cell Pyroptosis and Retards Intervertebral Disc Degeneration In Vivo. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-22.	4.0	34
16	Autophagy-Based Unconventional Secretory for AIM2 Inflammasome Drives DNA Damage Resistance During Intervertebral Disc Degeneration. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 672847.	3.7	5
17	Metformin facilitates mesenchymal stem cell-derived extracellular nanovesicles release and optimizes therapeutic efficacy in intervertebral disc degeneration. <i>Biomaterials</i> , 2021, 274, 120850.	11.4	67
18	Mitochondrial quality control in intervertebral disc degeneration. <i>Experimental and Molecular Medicine</i> , 2021, 53, 1124-1133.	7.7	46

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19	Rejuvenation of Senescent Bone Marrow Mesenchymal Stromal Cells by Pulsed Triboelectric Stimulation. <i>Advanced Science</i> , 2021, 8, e2100964.	11.2	38
20	Remote-controllable bone-targeted delivery of estradiol for the treatment of ovariectomy-induced osteoporosis in rats. <i>Journal of Nanobiotechnology</i> , 2021, 19, 248.	9.1	13
21	Engineering Extracellular Vesicles Restore the Impaired Cellular Uptake and Attenuate Intervertebral Disc Degeneration. <i>ACS Nano</i> , 2021, 15, 14709-14724.	14.6	61
22	Dexamethasone promotes mesenchymal stem cell apoptosis and inhibits osteogenesis by disrupting mitochondrial dynamics. <i>FEBS Open Bio</i> , 2020, 10, 211-220.	2.3	20
23	Osteointegration of 3D-Printed Fully Porous Polyetheretherketone Scaffolds with Different Pore Sizes. <i>ACS Omega</i> , 2020, 5, 26655-26666.	3.5	44
24	CircCOG8 Downregulation Contributes to the Compression-Induced Intervertebral Disk Degeneration by Targeting miR-182-5p and FOXO3. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 581941.	3.7	5
25	Clinical Characteristics and Short-Term Outcomes of Severe Patients With COVID-19 in Wuhan, China. <i>Frontiers in Medicine</i> , 2020, 7, 491.	2.6	43
26	Allicin Attenuated Advanced Oxidation Protein Product-Induced Oxidative Stress and Mitochondrial Apoptosis in Human Nucleus Pulposus Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-17.	4.0	28
27	Chemo-immunotherapy with doxorubicin prodrug and erythrocyte membrane-enveloped polymer nano-vaccine enhances antitumor activity. <i>Biomedicine and Pharmacotherapy</i> , 2020, 129, 110377.	5.6	6
28	Bone-derived mesenchymal stem cells alleviate compression-induced apoptosis of nucleus pulposus cells by N6 methyladenosine of autophagy. <i>Cell Death and Disease</i> , 2020, 11, 103.	6.3	35
29	A novel photothermally controlled multifunctional scaffold for clinical treatment of osteosarcoma and tissue regeneration. <i>Materials Today</i> , 2020, 36, 48-62.	14.2	123
30	Rapid Photo-Sonotherapy for Clinical Treatment of Bacterial Infected Bone Implants by Creating Oxygen Deficiency Using Sulfur Doping. <i>ACS Nano</i> , 2020, 14, 2077-2089.	14.6	182
31	Engineered probiotics biofilm enhances osseointegration via immunoregulation and anti-infection. <i>Science Advances</i> , 2020, 6, .	10.3	82
32	Blending of PLGA-PEG-PLGA for Improving the Erosion and Drug Release Profile of PCL Microspheres. <i>Current Pharmaceutical Biotechnology</i> , 2020, 21, 1079-1087.	1.6	8
33	Dual Metal-Organic Framework Heterointerface. <i>ACS Central Science</i> , 2019, 5, 1591-1601.	11.3	108
34	<p>Gold nanoparticles-loaded hydroxyapatite composites guide osteogenic differentiation of human mesenchymal stem cells through Wnt/ β 2-catenin signaling pathway</p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 6151-6163.	6.7	44
35	Accelerated Bone Regeneration by Gold-Nanoparticle-Loaded Mesoporous Silica through Stimulating Immunomodulation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 41758-41769.	8.0	73
36	Photoelectric-Responsive Extracellular Matrix for Bone Engineering. <i>ACS Nano</i> , 2019, 13, 13581-13594.	14.6	51

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37	Micro- and Nanohemispherical 3D Imprints Modulate the Osteogenic Differentiation and Mineralization Tendency of Bone Cells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 35513-35524.	8.0	16
38	Primary total knee arthroplasty using constrained condylar knee design for severe deformity and stiffness of knee secondary to post-traumatic arthritis. <i>Journal of Orthopaedic Surgery and Research</i> , 2018, 13, 67.	2.3	22
39	The influence of hydrophilic mPEG segment on formation, morphology, and properties of PCL-mPEG microspheres. <i>Advances in Polymer Technology</i> , 2018, 37, 2281-2287.	1.7	3
40	Long non-coding RNA BDNF-AS modulates osteogenic differentiation of bone marrow-derived mesenchymal stem cells. <i>Molecular and Cellular Biochemistry</i> , 2018, 445, 59-65.	3.1	25
41	BCL3 regulates RANKL-induced osteoclastogenesis by interacting with TRAF6 in bone marrow-derived macrophages. <i>Bone</i> , 2018, 114, 257-267.	2.9	11
42	Drug-loaded poly(D,L-lactide-co-glycolide) microspheres as treatment for allergic contact dermatitis in mice model. <i>Journal of Bioactive and Compatible Polymers</i> , 2017, 32, 445-455.	2.1	3
43	Relation between the development of osteoporosis and osteonecrosis following glucocorticoid in a rabbit model. <i>Indian Journal of Orthopaedics</i> , 2016, 50, 406-413.	1.1	9
44	A novel study on the mechanisms of drug release in PLGA-mPEG microspheres with fluorescent drug. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2016, 27, 854-864.	3.5	5
45	Establishment and characterization of a novel osteosarcoma cell line: CHOS. <i>Journal of Orthopaedic Research</i> , 2016, 34, 2116-2125.	2.3	10
46	µ-Polylysine and next-generation dendrigraft poly-L-lysine: chemistry, activity, and applications in biopharmaceuticals. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2015, 26, 1343-1356.	3.5	57
47	TNF- α mediated inflammatory macrophage polarization contributes to the pathogenesis of steroid-induced osteonecrosis in mice. <i>International Journal of Immunopathology and Pharmacology</i> , 2015, 28, 351-361.	2.1	91
48	MiR-17-5p modulates osteoblastic differentiation and cell proliferation by targeting SMAD7 in non-traumatic osteonecrosis. <i>Experimental and Molecular Medicine</i> , 2014, 46, e107-e107.	7.7	93