Li-Ming Wang

List of Publications by Year
in descending order

49 papers	1,394 citations	361413 20 h-index	361022 35 g-index
57 all docs	57 docs citations	57 times ranked	2232 citing authors

#	Article	IF	Citations
1	Luteolin inhibits IL-1Î²-induced inï¬,ammation in rat chondrocytes and attenuates osteoarthritis progression in a rat model. Biomedicine and Pharmacotherapy, 2019, 109, 1586-1592.	5.6	150
2	Micro/Nanometerâ€Structured Scaffolds for Regeneration of Both Cartilage and Subchondral Bone. Advanced Functional Materials, 2019, 29, 1806068.	14.9	79
3	3D Molecularly Functionalized Cellâ€Free Biomimetic Scaffolds for Osteochondral Regeneration. Advanced Functional Materials, 2019, 29, 1807356.	14.9	75
4	Polysaccharide from Angelica sinensis protects chondrocytes from H2O2-induced apoptosis through its antioxidant effects in vitro. International Journal of Biological Macromolecules, 2016, 87, 322-328.	7.5	64
5	3D-printed Mg-incorporated PCL-based scaffolds: A promising approach for bone healing. Materials Science and Engineering C, 2021, 129, 112372.	7.3	61
6	Electrospun vancomycin-loaded coating on titanium implants for the prevention of implant-associated infections. International Journal of Nanomedicine, 2014, 9, 3027.	6.7	59
7	IGF-1-releasing PLGA nanoparticles modified 3D printed PCL scaffolds for cartilage tissue engineering. Drug Delivery, 2020, 27, 1106-1114.	5.7	49
8	Chondrogenic Regeneration Using Bone Marrow Clots and a Porous Polycaprolactone-Hydroxyapatite Scaffold by Three-Dimensional Printing. Tissue Engineering - Part A, 2015, 21, 1388-1397.	3.1	45
9	Drug-induced modulation of gp130 signalling prevents articular cartilage degeneration and promotes repair. Annals of the Rheumatic Diseases, 2018, 77, 760-769.	0.9	44
10	Antimicrobial Activity of 3D-Printed Poly(Îµ-Caprolactone) (PCL) Composite Scaffolds Presenting Vancomycin-Loaded Polylactic Acid-Glycolic Acid (PLGA) Microspheres. Medical Science Monitor, 2018, 24, 6934-6945.	1.1	44
11	Percutaneous kyphoplasty assisted with/without mixed reality technology in treatment of OVCF with IVC: a prospective study. Journal of Orthopaedic Surgery and Research, 2019, 14, 255.	2.3	43
12	Critical Role of ADAMTS2 (A Disintegrin and Metalloproteinase With Thrombospondin Motifs 2) in Cardiac Hypertrophy Induced by Pressure Overload. Hypertension, 2017, 69, 1060-1069.	2.7	42
13	Application of computer-aided design and 3D-printed navigation template in Locking Compression Pediatric Hip Plate $$^{mathrm{TM}}$$ TM placement for pediatric hip disease. International Journal of Computer Assisted Radiology and Surgery, 2017, 12, 865-871.	2.8	37
14	Adhesion, proliferation and osteogenic differentiation of mesenchymal stem cells in 3D printed poly-Îµ-caprolactone/hydroxyapatite scaffolds combined with bone marrow clots. Molecular Medicine Reports, 2017, 16, 5078-5084.	2.4	35
15	3D printing of Mo-containing scaffolds with activated anabolic responses and bi-lineage bioactivities. Theranostics, 2018, 8, 4372-4392.	10.0	33
16	Chondrogenic Differentiation Could Be Induced by Autologous Bone Marrow Mesenchymal Stem Cellâ€"Derived Extracellular Matrix Scaffolds Without Exogenous Growth Factor. Tissue Engineering - Part A, 2016, 22, 222-232.	3.1	32
17	Modified Posterior Portals for Hindfoot Arthroscopy. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2007, 23, 1116-1123.	2.7	29
18	In vitro behavior of tendon stem/progenitor cells on bioactive electrospun nanofiber membranes for tendon-bone tissue engineering applications . International Journal of Nanomedicine, 2019, Volume 14, 5831-5848.	6.7	29

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19	Three-dimensional polycaprolactoneâ€“hydroxyapatite scaffolds combined with bone marrow cells for cartilage tissue engineering. Journal of Biomaterials Applications, 2015, 30, 160-170.	2.4	28
20	Gentiopicroside inhibits RANKL-induced osteoclastogenesis by regulating NF-Î¹B and JNK signaling pathways. Biomedicine and Pharmacotherapy, 2018, 100, 142-146.	5.6	23
21	Loss of Klotho contributes to cartilage damage by derepression of canonical Wnt/Î²-catenin signaling in osteoarthritis mice. Aging, 2019, 11, 12793-12809.	3.1	20
22	Application of 3D printing rapid prototyping-assisted percutaneous fixation in the treatment of intertrochanteric fracture. Experimental and Therapeutic Medicine, 2017, 14, 3644-3650.	1.8	19
23	MicroRNA-483-5p Modulates the Expression of Cartilage-Related Genes in Human Chondrocytes through Down-Regulating TGF-<i>Î²</i>1 Expression. Tohoku Journal of Experimental Medicine, 2017, 243, 41-48.	1.2	19
24	Comparison of off-pump and on-pump coronary endarterectomy for patients with diffusely diseased coronary arteries: early and midterm outcome. Journal of Cardiothoracic Surgery, 2014, 9, 186.	1.1	18
25	Analysis of the relationship between the facet fluid sign and lumbar spine motion of degenerative spondylolytic segment using Kinematic MRI. European Journal of Radiology, 2017, 94, 6-12.	2.6	16
26	Enhanced recovery after surgery protocols in total knee arthroplasty via midvastus approach: a randomized controlled trial. BMC Musculoskeletal Disorders, 2021, 22, 856.	1.9	14
27	The midterm results of coronary endarterectomy in patients with diffuse coronary artery disease. Journal of Cardiothoracic Surgery, 2018, 13, 90.	1.1	13
28	Use of quantitative MRI for the detection of progressive cartilage degeneration in a miniâ€pig model of osteoarthritis caused by anterior cruciate ligament transection. Journal of Magnetic Resonance Imaging, 2015, 42, 1032-1038.	3.4	12
29	Identification of circulating miR-663a as a potential biomarker for diagnosing osteosarcoma. Pathology Research and Practice, 2019, 215, 152411.	2.3	12
30	Evaluation of an Autologous Bone Mesenchymal Stem Cell-Derived Extracellular Matrix Scaffold in a Rabbit and Minipig Model of Cartilage Repair. Medical Science Monitor, 2019, 25, 7342-7350.	1.1	12
31	Cartilage matrix changes in contralateral mobile knees in a rabbit model of osteoarthritis induced by immobilization. BMC Musculoskeletal Disorders, 2015, 16, 224.	1.9	11
32	Forceâ€“torque intraoperative measurements for femoral shaft fracture reduction. Computer Assisted Surgery, 2016, 21, 37-44.	1.3	11
33	Lithium Chloride-Releasing 3D Printed Scaffold for Enhanced Cartilage Regeneration. Medical Science Monitor, 2019, 25, 4041-4050.	1.1	11
34	Chondrogenic preconditioning of mesenchymal stem/stromal cells within a magnetic scaffold for osteochondral repair. Biofabrication, 2022, 14, 025020.	7.1	11
35	Minimally invasive treatment of displaced femoral shaft fractures with a teleoperated robot-assisted surgical system. Injury, 2017, 48, 2253-2259.	1.7	10
36	The Role of Minimally Invasive Vertebral Body Stent on Reduction of the Deflation Effect After Kyphoplasty. Spine, 2018, 43, E341-E347.	2.0	10

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37	Composite scaffolds composed of bone marrow mesenchymal stem cell-derived extracellular matrix and marrow clots promote marrow cell retention and proliferation. Journal of Biomedical Materials Research - Part A, 2015, 103, 2374-2382.	4.0	9
38	Rg1 in combination with mannitol protects neurons against glutamate-induced ER stress via the PERK-eIF2 Î±-ATF4 signaling pathway. Life Sciences, 2020, 263, 118559.	4.3	9
39	Using 7.0T MRI T2 mapping to detect early changes of the cartilage matrix caused by immobilization in a rabbit model of immobilization-induced osteoarthritis. Magnetic Resonance Imaging, 2015, 33, 1000-1006.	1.8	8
40	Conservative vs Surgical Treatment of Impacted Femoral Neck Fracture in Patients 75â€‰Years and Older. Journal of the American Geriatrics Society, 2020, 68, 2214-2221.	2.6	7
41	Randomized trial of 3-drug combination for lumbar nerve root epidural injections with a TNF-Î± inhibitor in treatment of lumbar stenosis. British Journal of Neurosurgery, 2020, 34, 168-171.	0.8	7
42	Long-term repair of porcine articular cartilage using cryopreservable, clinically compatible human embryonic stem cell-derived chondrocytes. Npj Regenerative Medicine, 2021, 6, 77.	5.2	7
43	gp130/STAT3 signaling is required for homeostatic proliferation and anabolism in postnatal growth plate and articular chondrocytes. Communications Biology, 2022, 5, 64.	4.4	7
44	A feasibility study of individual 3D-printed navigation template for the deep external fixator pin position on the iliac crest. BMC Musculoskeletal Disorders, 2020, 21, 478.	1.9	6
45	Three-Dimensional-Printed Guiding Template for Unicompartmental Knee Arthroplasty. BioMed Research International, 2020, 2020, 1-10.	1.9	6
46	Investigations of Cartilage Matrix Degeneration in Patients with Early-Stage Femoral Head Necrosis. Medical Science Monitor, 2017, 23, 5783-5792.	1.1	4
47	Technetium-99m-labeled annexin V imaging for detecting prosthetic joint infection in a rabbit model. Journal of Biomedical Research, 2015, 29, 224-31.	1.6	4
48	In vitro evaluation of marrow clot enrichment on microstructure decoration, cell delivery and proliferation of porous titanium scaffolds by selective laser melting threeâ€dimensional printing. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 2245-2253.	3.4	3
49	Biomimetic Scaffolds: 3D Molecularly Functionalized Cellâ€Free Biomimetic Scaffolds for Osteochondral Regeneration (Adv. Funct. Mater. 6/2019). Advanced Functional Materials, 2019, 29, 1970036.	14.9	2