

# Li-Ming Wang

## List of Publications by Citations

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48  
papers

830  
citations

18  
h-index

27  
g-index

57  
ext. papers

1,112  
ext. citations

5.3  
avg, IF

4.27  
L-index

#	Paper	IF	Citations
48	Luteolin inhibits IL-1 $\beta$ induced inflammation in rat chondrocytes and attenuates osteoarthritis progression in a rat model. <i>Biomedicine and Pharmacotherapy</i> , <b>2019</b> , 109, 1586-1592	7.5	69
47	Polysaccharide from <i>Angelica sinensis</i> protects chondrocytes from H <sub>2</sub> O <sub>2</sub> -induced apoptosis through its antioxidant effects in vitro. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 87, 322-329	7.9	55
46	Micro/Nanometer-Structured Scaffolds for Regeneration of Both Cartilage and Subchondral Bone. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1806068	15.6	51
45	3D Molecularly Functionalized Cell-Free Biomimetic Scaffolds for Osteochondral Regeneration. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1807356	15.6	49
44	Electrospun vancomycin-loaded coating on titanium implants for the prevention of implant-associated infections. <i>International Journal of Nanomedicine</i> , <b>2014</b> , 9, 3027-36	7.3	43
43	Chondrogenic regeneration using bone marrow clots and a porous polycaprolactone-hydroxyapatite scaffold by three-dimensional printing. <i>Tissue Engineering - Part A</i> , <b>2015</b> , 21, 1388-97	3.9	31
42	Drug-induced modulation of gp130 signalling prevents articular cartilage degeneration and promotes repair. <i>Annals of the Rheumatic Diseases</i> , <b>2018</b> , 77, 760-769	2.4	30
41	Application of computer-aided design and 3D-printed navigation template in Locking Compression Pediatric Hip Plate placement for pediatric hip disease. <i>International Journal of Computer Assisted Radiology and Surgery</i> , <b>2017</b> , 12, 865-871	3.9	28
40	Chondrogenic Differentiation Could Be Induced by Autologous Bone Marrow Mesenchymal Stem Cell-Derived Extracellular Matrix Scaffolds Without Exogenous Growth Factor. <i>Tissue Engineering - Part A</i> , <b>2016</b> , 22, 222-32	3.9	27
39	Modified posterior portals for hindfoot arthroscopy. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , <b>2007</b> , 23, 1116-23	5.4	27
38	Adhesion, proliferation and osteogenic differentiation of mesenchymal stem cells in 3D printed poly( $\epsilon$ -caprolactone)/hydroxyapatite scaffolds combined with bone marrow clots. <i>Molecular Medicine Reports</i> , <b>2017</b> , 16, 5078-5084	2.9	23
37	Antimicrobial Activity of 3D-Printed Poly( $\epsilon$ -Caprolactone) (PCL) Composite Scaffolds Presenting Vancomycin-Loaded Polylactic Acid-Glycolic Acid (PLGA) Microspheres. <i>Medical Science Monitor</i> , <b>2018</b> , 24, 6934-6945	3.2	23
36	Percutaneous kyphoplasty assisted with/without mixed reality technology in treatment of OVCF with IVC: a prospective study. <i>Journal of Orthopaedic Surgery and Research</i> , <b>2019</b> , 14, 255	2.8	20
35	IGF-1-releasing PLGA nanoparticles modified 3D printed PCL scaffolds for cartilage tissue engineering. <i>Drug Delivery</i> , <b>2020</b> , 27, 1106-1114	7	20
34	3D printing of Mo-containing scaffolds with activated anabolic responses and bi-lineage bioactivities. <i>Theranostics</i> , <b>2018</b> , 8, 4372-4392	12.1	19
33	Critical Role of ADAMTS2 (A Disintegrin and Metalloproteinase With Thrombospondin Motifs 2) in Cardiac Hypertrophy Induced by Pressure Overload. <i>Hypertension</i> , <b>2017</b> , 69, 1060-1069	8.5	18
32	Three-dimensional polycaprolactone-hydroxyapatite scaffolds combined with bone marrow cells for cartilage tissue engineering. <i>Journal of Biomaterials Applications</i> , <b>2015</b> , 30, 160-70	2.9	18

31	In vitro behavior of tendon stem/progenitor cells on bioactive electrospun nanofiber membranes for tendon-bone tissue engineering applications. <i>International Journal of Nanomedicine</i> , <b>2019</b> , 14, 5831-5848	7.3	15
30	MicroRNA-483-5p Modulates the Expression of Cartilage-Related Genes in Human Chondrocytes through Down-Regulating TGF- $\beta$ Expression. <i>Tohoku Journal of Experimental Medicine</i> , <b>2017</b> , 243, 41-48	2.4	14
29	3D-printed Mg-incorporated PCL-based scaffolds: A promising approach for bone healing. <i>Materials Science and Engineering C</i> , <b>2021</b> , 129, 112372	8.3	14
28	Application of 3D printing rapid prototyping-assisted percutaneous fixation in the treatment of intertrochanteric fracture. <i>Experimental and Therapeutic Medicine</i> , <b>2017</b> , 14, 3644-3650	2.1	13
27	Gentiopicroside inhibits RANKL-induced osteoclastogenesis by regulating NF- $\kappa$ B and JNK signaling pathways. <i>Biomedicine and Pharmacotherapy</i> , <b>2018</b> , 100, 142-146	7.5	13
26	Comparison of off-pump and on-pump coronary endarterectomy for patients with diffusely diseased coronary arteries: early and midterm outcome. <i>Journal of Cardiothoracic Surgery</i> , <b>2014</b> , 9, 186	1.6	12
25	Loss of Klotho contributes to cartilage damage by derepression of canonical Wnt/ $\beta$ catenin signaling in osteoarthritis mice. <i>Aging</i> , <b>2019</b> , 11, 12793-12809	5.6	11
24	Use of quantitative MRI for the detection of progressive cartilage degeneration in a mini-pig model of osteoarthritis caused by anterior cruciate ligament transection. <i>Journal of Magnetic Resonance Imaging</i> , <b>2015</b> , 42, 1032-8	5.6	9
23	The midterm results of coronary endarterectomy in patients with diffuse coronary artery disease. <i>Journal of Cardiothoracic Surgery</i> , <b>2018</b> , 13, 90	1.6	8
22	Cartilage matrix changes in contralateral mobile knees in a rabbit model of osteoarthritis induced by immobilization. <i>BMC Musculoskeletal Disorders</i> , <b>2015</b> , 16, 224	2.8	8
21	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. <i>Magnetic Resonance Imaging</i> , <b>2015</b> , 33, 1000-6	3.3	7
20	The Role of Minimally Invasive Vertebral Body Stent on Reduction of the Deflation Effect After Kyphoplasty: A Biomechanical Study. <i>Spine</i> , <b>2018</b> , 43, E341-E347	3.3	7
19	Evaluation of an Autologous Bone Mesenchymal Stem Cell-Derived Extracellular Matrix Scaffold in a Rabbit and Minipig Model of Cartilage Repair. <i>Medical Science Monitor</i> , <b>2019</b> , 25, 7342-7350	3.2	7
18	Identification of circulating miR-663a as a potential biomarker for diagnosing osteosarcoma. <i>Pathology Research and Practice</i> , <b>2019</b> , 215, 152411	3.4	6
17	Composite scaffolds composed of bone marrow mesenchymal stem cell-derived extracellular matrix and marrow clots promote marrow cell retention and proliferation. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2015</b> , 103, 2374-82	5.4	6
16	Minimally invasive treatment of displaced femoral shaft fractures with a teleoperated robot-assisted surgical system. <i>Injury</i> , <b>2017</b> , 48, 2253-2259	2.5	6
15	Analysis of the relationship between the facet fluid sign and lumbar spine motion of degenerative spondylolytic segment using Kinematic MRI. <i>European Journal of Radiology</i> , <b>2017</b> , 94, 6-12	4.7	6
14	Force/torque intraoperative measurements for femoral shaft fracture reduction. <i>Computer Assisted Surgery</i> , <b>2016</b> , 21, 37-44	1.8	5

13	Lithium Chloride-Releasing 3D Printed Scaffold for Enhanced Cartilage Regeneration. <i>Medical Science Monitor</i> , <b>2019</b> , 25, 4041-4050	3.2	5
12	Randomized trial of 3-drug combination for lumbar nerve root epidural injections with a TNF- $\alpha$ inhibitor in treatment of lumbar stenosis. <i>British Journal of Neurosurgery</i> , <b>2020</b> , 34, 168-171	1	4
11	Investigations of Cartilage Matrix Degeneration in Patients with Early-Stage Femoral Head Necrosis. <i>Medical Science Monitor</i> , <b>2017</b> , 23, 5783-5792	3.2	4
10	Conservative vs Surgical Treatment of Impacted Femoral Neck Fracture in Patients 75 Years and Older. <i>Journal of the American Geriatrics Society</i> , <b>2020</b> , 68, 2214-2221	5.6	3
9	Technetium-99m-labeled annexin V imaging for detecting prosthetic joint infection in a rabbit model. <i>Journal of Biomedical Research</i> , <b>2015</b> , 29, 224-31	1.5	3
8	Rg1 in combination with mannitol protects neurons against glutamate-induced ER stress via the PERK-eIF2 $\beta$ -ATF4 signaling pathway. <i>Life Sciences</i> , <b>2020</b> , 263, 118559	6.8	3
7	In vitro evaluation of marrow clot enrichment on microstructure decoration, cell delivery and proliferation of porous titanium scaffolds by selective laser melting three-dimensional printing. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2018</b> , 106, 2245-2253	3.5	2
6	gp130/STAT3 signaling is required for homeostatic proliferation and anabolism in postnatal growth plate and articular chondrocytes.. <i>Communications Biology</i> , <b>2022</b> , 5, 64	6.7	2
5	Long-term repair of porcine articular cartilage using cryopreservable, clinically compatible human embryonic stem cell-derived chondrocytes. <i>Npj Regenerative Medicine</i> , <b>2021</b> , 6, 77	15.8	2
4	Enhanced recovery after surgery protocols in total knee arthroplasty via midvastus approach: a randomized controlled trial. <i>BMC Musculoskeletal Disorders</i> , <b>2021</b> , 22, 856	2.8	2
3	Three-Dimensional-Printed Guiding Template for Unicompartmental Knee Arthroplasty. <i>BioMed Research International</i> , <b>2020</b> , 2020, 7019794	3	2
2	Biomimetic Scaffolds: 3D Molecularly Functionalized Cell-Free Biomimetic Scaffolds for Osteochondral Regeneration (Adv. Funct. Mater. 6/2019). <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1970036	15.6	1
1	A feasibility study of individual 3D-printed navigation template for the deep external fixator pin position on the iliac crest. <i>BMC Musculoskeletal Disorders</i> , <b>2020</b> , 21, 478	2.8	1