Liu Yang

List of Publications by Year
in descending order

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88	1,977	304743	289244
papers	citations	22 h-index	40 g-index

98	98	98	2622
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	miR-100-5p-abundant exosomes derived from infrapatellar fat pad MSCs protect articular cartilage and ameliorate gait abnormalities via inhibition of mTOR in osteoarthritis. Biomaterials, 2019, 206, 87-100.	11.4	343
2	LncRNA MALAT1 promotes osteoarthritis by modulating miR-150-5p/AKT3 axis. Cell and Bioscience, 2019, 9, 54.	4.8	120
3	Engineering zonal cartilage through bioprinting collagen type II hydrogel constructs with biomimetic chondrocyte density gradient. BMC Musculoskeletal Disorders, 2016, 17, 301.	1.9	97
4	Adductor canal block versus femoral nerve block for total knee arthroplasty: a meta-analysis of randomized controlled trials. Scientific Reports, 2017, 7, 40721.	3.3	70
5	Silk fibroin/carboxymethyl chitosan hydrogel with tunable biomechanical properties has application potential as cartilage scaffold. International Journal of Biological Macromolecules, 2019, 137, 382-391.	7.5	62
6	Navitoclax (ABT263) reduces inflammation and promotes chondrogenic phenotype by clearing senescent osteoarthritic chondrocytes in osteoarthritis. Aging, 2020, 12, 12750-12770.	3.1	62
7	Enzymatically crosslinked and mechanically tunable silk fibroin/pullulan hydrogels for mesenchymal stem cells delivery. International Journal of Biological Macromolecules, 2018, 115, 300-307.	7.5	56
8	Pellet coculture of osteoarthritic chondrocytes and infrapatellar fat pad-derived mesenchymal stem cells with chitosan/hyaluronic acid nanoparticles promotes chondrogenic differentiation. Stem Cell Research and Therapy, 2017, 8, 264.	5.5	50
9	Aptamer-Functionalized Bioscaffold Enhances Cartilage Repair by Improving Stem Cell Recruitment in Osteochondral Defects of Rabbit Knees. American Journal of Sports Medicine, 2019, 47, 2316-2326.	4.2	49
10	Interleukin-1β and tumor necrosis factor-α increase stiffness and impair contractile function of articular chondrocytes. Acta Biochimica Et Biophysica Sinica, 2015, 47, 121-129.	2.0	43
11	Total hip arthroplasty for patients with Crowe type IV developmental dysplasia of the hip: Ten years results. International Journal of Surgery, 2017, 42, 17-21.	2.7	42
12	Wnt/Î²-Catenin Signaling Regulates the Proliferation and Differentiation of Mesenchymal Progenitor Cells through the p53 Pathway. PLoS ONE, 2014, 9, e97283.	2.5	39
13	Natural ingredients-derived antioxidants attenuate H2O2-induced oxidative stress and have chondroprotective effects on human osteoarthritic chondrocytes via Keap1/Nrf2 pathway. Free Radical Biology and Medicine, 2020, 152, 854-864.	2.9	38
14	Navigation and robotics improved alignment compared with PSI and conventional instrument, while clinical outcomes were similar in TKA: a network meta-analysis. Knee Surgery, Sports Traumatology, Arthroscopy, 2022, 30, 721-733.	4.2	37
15	Arthroscopic arthrodesis for ankle arthritis without bone graft. Journal of Orthopaedic Surgery and Research, 2016, 11, 154.	2.3	36
16	Identifying the Functional Flexion-extension Axis of the Knee: An In-Vivo Kinematics Study. PLoS ONE, 2015, 10, e0128877.	2.5	34
17	Fabrication and Evaluation of Porous Keratin/chitosan (KCS) Scaffolds for Effectively Accelerating Wound Healing. Biomedical and Environmental Sciences, 2015, 28, 178-89.	0.2	34
18	Discoid Lateral Meniscus Tears and Concomitant Articular Cartilage Lesions in the Knee. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2014, 30, 311-318.	2.7	32

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19	The Use of Particulated Juvenile Allograft Cartilage for the Repair of Porcine Articular Cartilage Defects. American Journal of Sports Medicine, 2019, 47, 2308-2315.	4.2	32
20	Investigation of association between hip morphology and prevalence of osteoarthritis. Scientific Reports, 2016, 6, 23477.	3.3	31
21	Vâ€Ÿ Tendon Plasty for Reconstruction of Chronic Achilles Tendon Rupture: A Mediumâ€term and Longâ€term Followâ€up. Orthopaedic Surgery, 2019, 11, 109-116.	1.8	27
22	Surgical Strategy for the Chronic Achilles Tendon Rupture. BioMed Research International, 2016, 2016, 1-8.	1.9	26
23	Midterm Results of Total Hip Arthroplasty in Patients With High Hip Dislocation After Suppurative Hip Arthritis. Journal of Arthroplasty, 2019, 34, 102-107.	3.1	25
24	A Reduction Technique of Arthroplasty Without Subtrochanteric Femoral Shortening Osteotomy for the Treatment of Developmental High Dislocation of Hip: A Case Series of 28 Hips. Journal of Arthroplasty, 2014, 29, 2289-2293.	3.1	23
25	Asiatic acid attenuates hypertrophic and fibrotic differentiation of articular chondrocytes via AMPK/PI3K/AKT signaling pathway. Arthritis Research and Therapy, 2020, 22, 112.	3.5	23
26	Methacrylated pullulan/polyethylene (glycol) diacrylate composite hydrogel for cartilage tissue engineering. Journal of Biomaterials Science, Polymer Edition, 2021, 32, 1057-1071.	3.5	23
27	Intra-articular injection of anti-inflammatory peptide-loaded glycol chitosan/fucoidan nanogels to inhibit inflammation and attenuate osteoarthritis progression. International Journal of Biological Macromolecules, 2021, 170, 469-478.	7.5	22
28	In vitro targeted magnetic delivery and tracking of superparamagnetic iron oxide particles labeled stem cells for articular cartilage defect repair. Journal of Huazhong University of Science and Technology [Medical Sciences], 2011, 31, 204-209.	1.0	20
29	An Arthroscopic Second-Look Study on the Effect of Remnant Preservation on Synovialization of Boneâ€“Patellar Tendonâ€“Bone Allograft in Anterior Cruciate Ligament Reconstruction. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2016, 32, 868-877.	2.7	20
30	Effects of vimentin disruption on the mechanoresponses of articular chondrocyte. Biochemical and Biophysical Research Communications, 2016, 469, 132-137.	2.1	19
31	Risk Factors for the Rupture of Intracranial Aneurysms Using Computed Tomography Angiography. World Neurosurgery, 2018, 110, e333-e338.	1.3	18
32	Three-dimensional printing in the surgical treatment of osteoid osteoma of the calcaneus: A case report. Journal of International Medical Research, 2017, 45, 372-380.	1.0	17
33	Application of 3Dâ€printed Customized Guides in Subtalar Joint Arthrodesis. Orthopaedic Surgery, 2019, 11, 405-413.	1.8	17
34	Altered spontaneous calcium signaling of in situ chondrocytes in human osteoarthritic cartilage. Scientific Reports, 2017, 7, 17093.	3.3	16
35	Application of 3D-Printed Personalized Guide in Arthroscopic Ankle Arthrodesis. BioMed Research International, 2018, 2018, 1-8.	1.9	15
36	Ibuprofen attenuates interleukin-1<bold>β</bold>-induced inflammation and actin reorganization via modulation of RhoA signaling in rabbit chondrocytes. Acta Biochimica Et Biophysica Sinica, 2019, 51, 1026-1033.	2.0	15

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37	Extracorporeal Shock Wave Therapy for Pain Relief After Arthroscopic Treatment of Osteochondral Lesions of Talus. Journal of Foot and Ankle Surgery, 2020, 59, 190-194.	1.0	15
38	Contribution of PTHrP to mechanical strain-induced fibrochondrogenic differentiation in entheses of Achilles tendon of miniature pigs. Journal of Biomechanics, 2014, 47, 2406-2414.	2.1	14
39	Management of Acute Hematogenous Infection Following Total Knee Arthroplasty: <scp>A</scp> Case Series of 11 Patients. Orthopaedic Surgery, 2016, 8, 475-482.	1.8	14
40	Low-Dose Epinephrine Plus Tranexamic Acid Reduces Early Postoperative Blood Loss and Inflammatory Response. Journal of Bone and Joint Surgery - Series A, 2018, 100, 295-304.	3.0	14
41	Tropoelastin improves adhesion and migration of intra-articular injected infrapatellar fat pad MSCs and reduces osteoarthritis progression. Bioactive Materials, 2022, 10, 443-459.	15.6	14
42	Effect of anterior cruciate ligament rupture on secondary damage to menisci and articular cartilage. Knee, 2016, 23, 102-105.	1.6	13
43	Arthroscopic management for early-stage tuberculosis of the ankle. Journal of Orthopaedic Surgery and Research, 2019, 14, 25.	2.3	12
44	Modified Percutaneous Achilles Tendon Lengthening by Triple Hemisection for Achilles Tendon Contracture. BioMed Research International, 2019, 2019, 1-8.	1.9	11
45	Donor Cell Fate in Particulated Juvenile Allograft Cartilage for the Repair of Articular Cartilage Defects. American Journal of Sports Medicine, 2020, 48, 3224-3232.	4.2	11
46	Scaffold With Natural Calcified Cartilage Zone for Osteochondral Defect Repair in Minipigs. American Journal of Sports Medicine, 2021, 49, 1883-1891.	4.2	11
47	Highly Porous 3D Printed Tantalum Scaffolds Have Better Biomechanical and Microstructural Properties than Titanium Scaffolds. BioMed Research International, 2021, 2021, 1-8.	1.9	11
48	Arthroscopically Assisted Anterior Treatment of Symptomatic Large Talar Bone Cyst. Journal of Foot and Ankle Surgery, 2019, 58, 151-155.	1.0	10
49	Zyxinâ€involved actin regulation is essential in the maintenance of vinculin focal adhesion and chondrocyte differentiation status. Cell Proliferation, 2019, 52, e12532.	5.3	10
50	Three-dimensional printed implant for reconstruction of pelvic bone after removal of giant chondrosarcoma: a case report. Journal of International Medical Research, 2020, 48, 030006052091727.	1.0	10
51	Removal of osteoblastoma of the talar neck using standard anterior ankle Arthroscopyï¼šA case report. International Journal of Surgery Case Reports, 2016, 23, 52-55.	0.6	9
52	Does Patella Tendon Tenodesis Improve Tibial Tubercle Distalization in Treating Patella Alta? A Computational Study. Clinical Orthopaedics and Related Research, 2016, 474, 2451-2461.	1.5	9
53	Applications of 3D Printing Technology in Orthopedic Treatment. BioMed Research International, 2021, 2021, 1-3.	1.9	9
54	Influence of the image levels of distal femur on the measurement of tibial tubercle-trochlear groove distanceâ€”a comparative study. Journal of Orthopaedic Surgery and Research, 2015, 10, 174.	2.3	8

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55	Knee alignment in the transverse plane during weight-bearing activity and its implication for the tibial rotational alignment in total knee arthroplasty. Clinical Biomechanics, 2015, 30, 565-571.	1.2	8
56	Synergistically regulated spontaneous calcium signaling is attributed to cartilaginous extracellular matrix metabolism. Journal of Cellular Physiology, 2019, 234, 9711-9722.	4.1	8
57	Three-dimensional printed porous tantalum prosthesis for treating inflammation after total knee arthroplasty in one-stage surgery â€“ a case report. Journal of International Medical Research, 2020, 48, 030006051989128.	1.0	8
58	Proliferation ability of particulated juvenile allograft cartilage. Journal of Orthopaedic Surgery and Research, 2021, 16, 56.	2.3	8
59	A study of pre-operative presence of micro-organisms in affected knee joints of rheumatoid arthritis patients who need total knee arthroplasty. Knee, 2017, 24, 409-418.	1.6	7
60	How Do Axial Scan Orientation Deviations Affect the Measurements of Knee Anatomical Parameters Associated with Patellofemoral Instability? A Simulated Computed Tomography Study. Journal of Knee Surgery, 2018, 31, 425-432.	1.6	7
61	Treatment of massive iliac chondrosarcoma with personalized three-dimensional printed tantalum implant: a case report and literature review. Journal of International Medical Research, 2020, 48, 030006052095950.	1.0	7
62	Endoscopic Treatment of Symptomatic Foot and Ankle Bone Cyst with 3D Printing Application. BioMed Research International, 2020, 2020, 1-10.	1.9	7
63	Efficacy and Safety of Zhuanggu Joint Capsules in Combination with Celecoxib in Knee Osteoarthritis. Chinese Medical Journal, 2016, 129, 891-897.	2.3	6
64	Effects of Conditioned Medium From Osteoarthritic Cartilage Fragments on Donor-Matched Infrapatellar Fat Padâ€“Derived Mesenchymal Stromal Cells. American Journal of Sports Medicine, 2019, 47, 2927-2936.	4.2	6
65	Proximal external femoral torsion increases lateral femoral shaft bowing: a study based on 3D CT reconstruction models. Knee Surgery, Sports Traumatology, Arthroscopy, 2023, 31, 1524-1532.	4.2	6
66	In Vivo MRI Tracking of Polyethylenimine-Wrapped Superparamagnetic Iron Oxide Nanoparticleâ€“Labeled BMSCs for Cartilage Repair. Cartilage, 2013, 4, 75-82.	2.7	5
67	Chondromodulin-I expression and correlation with angiogenesis in human osteoarthritic cartilage. Molecular Medicine Reports, 2017, 16, 2142-2148.	2.4	5
68	Magnetic-targeting of polyethylenimine-wrapped iron oxide nanoparticle labeled chondrocytes in a rabbit articular cartilage defect model. RSC Advances, 2018, 8, 7633-7640.	3.6	5
69	Arthroscopic Ankle Arthrodesis for End-Stage Tuberculosis of the Ankle: A 2-Year Follow-Up. Journal of Foot and Ankle Surgery, 2020, 59, 577-586.	1.0	5
70	Bone Marrow Edema Syndrome of the Foot Treated with Extracorporeal Shock Wave Therapy: A Retrospective Case Series. Journal of Foot and Ankle Surgery, 2021, 60, 523-528.	1.0	5
71	Observation of Solute Transport between Articular Cartilage and Subchondral Bone in Live Mice. Cartilage, 2021, 13, 398S-407S.	2.7	4
72	Robotics versus personalized 3D preoperative planning in total knee arthroplasty: a propensity score-matched analysis. Journal of Orthopaedic Surgery and Research, 2022, 17, 227.	2.3	4

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73	Substance-P in symptomatic mediopatellar plica as a predictor of patellofemoral pain. Biomedical Reports, 2016, 4, 21-26.	2.0	3
74	The association between anterior femoroacetabular impingement and femoral neck fractures. Medicine (United States), 2020, 99, e19068.	1.0	3
75	Surgical treatment for insertional Achilles tendinopathy and retrocalcaneal bursitis: more than 1 year of follow-up. Journal of International Medical Research, 2021, 49, 030006052199295.	1.0	3
76	Study on anti-osteosarcoma activity of ethanol extract of Venenum bufonis in vitro. African Journal of Traditional Complementary and Alternative Medicines, 2014, 11, 73-7.	0.2	3
77	Is Valgus Cut Angle Based on Radiographic Measurements in Total Knee Arthroplasty Really Inaccurate? A Comparison of Two- and Three-Dimensional Measurements. Journal of Knee Surgery, 2021, , .	1.6	2
78	Microfracture of Acetabular Rim After Segmental Labral Resection to Restore the Morphology and Function of Labrum: A Retrospective Study of More than 2â€‰Years Followâ€up. Orthopaedic Surgery, 2021, 13, 1853-1862.	1.8	2
79	Hydrogel composed of type II collagen, chondroitin sulfate and hyaluronic acid for cartilage tissue engineering. Bio-Medical Materials and Engineering, 2022, 33, 515-523.	0.6	2
80	A Newly Designed â€œ<scp>SkyWalker</scp>â€•Robot Applied in Total Knee Arthroplasty: A Retrospective Cohort Study for Femoral Rotational Alignment Restoration. Orthopaedic Surgery, 2022, 14, 1681-1694.	1.8	2
81	Semiactive robotic-arm system versus patient-specific instrumentation in primary total knee arthroplasty: Efficacy and accuracy. Asian Journal of Surgery, 2022, , .	0.4	2
82	A Study on Construction of Finite Element Model and Stress Analysis of Anterior Cruciate Ligament Tibial Insertion. Pakistan Journal of Medical Sciences, 1969, 31, 632-6.	0.6	1
83	Treatment of isolated talonavicular coalition: Case report and literature review. Journal of International Medical Research, 2018, 46, 5322-5330.	1.0	1
84	Mixed bacterial-fungal infection following total hip arthroplasty: A case report. Chinese Journal of Traumatology - English Edition, 2021, 25, 32-32.	1.4	1
85	Triple Hemisection Percutaneous Achilles Tendon Lengthening for Severe Ankle Joint Deformity. Orthopaedic Surgery, 2021, 13, 2373-2381.	1.8	1
86	Slight femoral under-correction versus neutral alignment in total knee arthroplasty with preoperative varus knees: a comparative study. Arthroplasty, 2022, 4, 7.	2.2	1
87	Hemi-arthroplasty performed in a 109-year-old patient with intertrochanteric fracture: A case report. Chinese Journal of Traumatology - English Edition, 2017, 20, 352-354.	1.4	0
88	One-step strategy for chondral defect repair. Frontiers in Bioscience - Landmark, 2019, 24, 628-647.	3.0	0