

Liu Yang

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

1,977
citations

304743

22
h-index

289244

40
g-index

98
all docs

98
docs citations

98
times ranked

2622
citing authors

#	ARTICLE	IF	CITATIONS
1	Proximal external femoral torsion increases lateral femoral shaft bowing: a study based on 3D CT reconstruction models. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2023, 31, 1524-1532.	4.2	6
2	Navigation and robotics improved alignment compared with PSI and conventional instrument, while clinical outcomes were similar in TKA: a network meta-analysis. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2022, 30, 721-733.	4.2	37
3	Tropoelastin improves adhesion and migration of intra-articular injected infrapatellar fat pad MSCs and reduces osteoarthritis progression. <i>Bioactive Materials</i> , 2022, 10, 443-459.	15.6	14
4	Slight femoral under-correction versus neutral alignment in total knee arthroplasty with preoperative varus knees: a comparative study. <i>Arthroplasty</i> , 2022, 4, 7.	2.2	1
5	Robotics versus personalized 3D preoperative planning in total knee arthroplasty: a propensity score-matched analysis. <i>Journal of Orthopaedic Surgery and Research</i> , 2022, 17, 227.	2.3	4
6	Hydrogel composed of type II collagen, chondroitin sulfate and hyaluronic acid for cartilage tissue engineering. <i>Bio-Medical Materials and Engineering</i> , 2022, 33, 515-523.	0.6	2
7	A Newly Designed <i>“SkyWalker”</i> Robot Applied in Total Knee Arthroplasty: A Retrospective Cohort Study for Femoral Rotational Alignment Restoration. <i>Orthopaedic Surgery</i> , 2022, 14, 1681-1694.	1.8	2
8	Semiactive robotic-arm system versus patient-specific instrumentation in primary total knee arthroplasty: Efficacy and accuracy. <i>Asian Journal of Surgery</i> , 2022, , .	0.4	2
9	Observation of Solute Transport between Articular Cartilage and Subchondral Bone in Live Mice. <i>Cartilage</i> , 2021, 13, 398S-407S.	2.7	4
10	Bone Marrow Edema Syndrome of the Foot Treated with Extracorporeal Shock Wave Therapy: A Retrospective Case Series. <i>Journal of Foot and Ankle Surgery</i> , 2021, 60, 523-528.	1.0	5
11	Proliferation ability of particulated juvenile allograft cartilage. <i>Journal of Orthopaedic Surgery and Research</i> , 2021, 16, 56.	2.3	8
12	Intra-articular injection of anti-inflammatory peptide-loaded glycol chitosan/fucoidan nanogels to inhibit inflammation and attenuate osteoarthritis progression. <i>International Journal of Biological Macromolecules</i> , 2021, 170, 469-478.	7.5	22
13	Methacrylated pullulan/polyethylene (glycol) diacrylate composite hydrogel for cartilage tissue engineering. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2021, 32, 1057-1071.	3.5	23
14	Surgical treatment for insertional Achilles tendinopathy and retrocalcaneal bursitis: more than 1 year of follow-up. <i>Journal of International Medical Research</i> , 2021, 49, 030006052199295.	1.0	3
15	Is Valgus Cut Angle Based on Radiographic Measurements in Total Knee Arthroplasty Really Inaccurate? A Comparison of Two- and Three-Dimensional Measurements. <i>Journal of Knee Surgery</i> , 2021, , .	1.6	2
16	Scaffold With Natural Calcified Cartilage Zone for Osteochondral Defect Repair in Minipigs. <i>American Journal of Sports Medicine</i> , 2021, 49, 1883-1891.	4.2	11
17	Mixed bacterial-fungal infection following total hip arthroplasty: A case report. <i>Chinese Journal of Traumatology - English Edition</i> , 2021, 25, 32-32.	1.4	1
18	Applications of 3D Printing Technology in Orthopedic Treatment. <i>BioMed Research International</i> , 2021, 2021, 1-3.	1.9	9

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19	Highly Porous 3D Printed Tantalum Scaffolds Have Better Biomechanical and Microstructural Properties than Titanium Scaffolds. <i>BioMed Research International</i> , 2021, 2021, 1-8.	1.9	11
20	Microfracture of Acetabular Rim After Segmental Labral Resection to Restore the Morphology and Function of Labrum: A Retrospective Study of More than 20 Years Follow-up. <i>Orthopaedic Surgery</i> , 2021, 13, 1853-1862.	1.8	2
21	Triple Hemisection Percutaneous Achilles Tendon Lengthening for Severe Ankle Joint Deformity. <i>Orthopaedic Surgery</i> , 2021, 13, 2373-2381.	1.8	1
22	Extracorporeal Shock Wave Therapy for Pain Relief After Arthroscopic Treatment of Osteochondral Lesions of Talus. <i>Journal of Foot and Ankle Surgery</i> , 2020, 59, 190-194.	1.0	15
23	Three-dimensional printed porous tantalum prosthesis for treating inflammation after total knee arthroplasty in one-stage surgery – a case report. <i>Journal of International Medical Research</i> , 2020, 48, 030006051989128.	1.0	8
24	Treatment of massive iliac chondrosarcoma with personalized three-dimensional printed tantalum implant: a case report and literature review. <i>Journal of International Medical Research</i> , 2020, 48, 030006052095950.	1.0	7
25	Donor Cell Fate in Particulated Juvenile Allograft Cartilage for the Repair of Articular Cartilage Defects. <i>American Journal of Sports Medicine</i> , 2020, 48, 3224-3232.	4.2	11
26	Arthroscopic Ankle Arthrodesis for End-Stage Tuberculosis of the Ankle: A 2-Year Follow-Up. <i>Journal of Foot and Ankle Surgery</i> , 2020, 59, 577-586.	1.0	5
27	Asiatic acid attenuates hypertrophic and fibrotic differentiation of articular chondrocytes via AMPK/PI3K/AKT signaling pathway. <i>Arthritis Research and Therapy</i> , 2020, 22, 112.	3.5	23
28	The association between anterior femoroacetabular impingement and femoral neck fractures. <i>Medicine (United States)</i> , 2020, 99, e19068.	1.0	3
29	Natural ingredients-derived antioxidants attenuate H ₂ O ₂ -induced oxidative stress and have chondroprotective effects on human osteoarthritic chondrocytes via Keap1/Nrf2 pathway. <i>Free Radical Biology and Medicine</i> , 2020, 152, 854-864.	2.9	38
30	Three-dimensional printed implant for reconstruction of pelvic bone after removal of giant chondrosarcoma: a case report. <i>Journal of International Medical Research</i> , 2020, 48, 030006052091727.	1.0	10
31	Endoscopic Treatment of Symptomatic Foot and Ankle Bone Cyst with 3D Printing Application. <i>BioMed Research International</i> , 2020, 2020, 1-10.	1.9	7
32	Navitoclax (ABT263) reduces inflammation and promotes chondrogenic phenotype by clearing senescent osteoarthritic chondrocytes in osteoarthritis. <i>Aging</i> , 2020, 12, 12750-12770.	3.1	62
33	LncRNA MALAT1 promotes osteoarthritis by modulating miR-150-5p/AKT3 axis. <i>Cell and Bioscience</i> , 2019, 9, 54.	4.8	120
34	The Use of Particulated Juvenile Allograft Cartilage for the Repair of Porcine Articular Cartilage Defects. <i>American Journal of Sports Medicine</i> , 2019, 47, 2308-2315.	4.2	32
35	Silk fibroin/carboxymethyl chitosan hydrogel with tunable biomechanical properties has application potential as cartilage scaffold. <i>International Journal of Biological Macromolecules</i> , 2019, 137, 382-391.	7.5	62
36	Ibuprofen attenuates interleukin-1 β -induced inflammation and actin reorganization via modulation of RhoA signaling in rabbit chondrocytes. <i>Acta Biochimica Et Biophysica Sinica</i> , 2019, 51, 1026-1033.	2.0	15

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37	Effects of Conditioned Medium From Osteoarthritic Cartilage Fragments on Donor-Matched Infrapatellar Fat Pad-Derived Mesenchymal Stromal Cells. <i>American Journal of Sports Medicine</i> , 2019, 47, 2927-2936.	4.2	6
38	Arthroscopic management for early-stage tuberculosis of the ankle. <i>Journal of Orthopaedic Surgery and Research</i> , 2019, 14, 25.	2.3	12
39	Application of 3D-Printed Customized Guides in Subtalar Joint Arthrodesis. <i>Orthopaedic Surgery</i> , 2019, 11, 405-413.	1.8	17
40	Aptamer-Functionalized Bioscaffold Enhances Cartilage Repair by Improving Stem Cell Recruitment in Osteochondral Defects of Rabbit Knees. <i>American Journal of Sports Medicine</i> , 2019, 47, 2316-2326.	4.2	49
41	miR-100-5p-abundant exosomes derived from infrapatellar fat pad MSCs protect articular cartilage and ameliorate gait abnormalities via inhibition of mTOR in osteoarthritis. <i>Biomaterials</i> , 2019, 206, 87-100.	11.4	343
42	V-Y Tendon Plasty for Reconstruction of Chronic Achilles Tendon Rupture: A Medium-term and Long-term Follow-up. <i>Orthopaedic Surgery</i> , 2019, 11, 109-116.	1.8	27
43	Modified Percutaneous Achilles Tendon Lengthening by Triple Hemisection for Achilles Tendon Contracture. <i>BioMed Research International</i> , 2019, 2019, 1-8.	1.9	11
44	Synergistically regulated spontaneous calcium signaling is attributed to cartilaginous extracellular matrix metabolism. <i>Journal of Cellular Physiology</i> , 2019, 234, 9711-9722.	4.1	8
45	Arthroscopically Assisted Anterior Treatment of Symptomatic Large Talar Bone Cyst. <i>Journal of Foot and Ankle Surgery</i> , 2019, 58, 151-155.	1.0	10
46	Zyxin-involved actin regulation is essential in the maintenance of vinculin focal adhesion and chondrocyte differentiation status. <i>Cell Proliferation</i> , 2019, 52, e12532.	5.3	10
47	Midterm Results of Total Hip Arthroplasty in Patients With High Hip Dislocation After Suppurative Hip Arthritis. <i>Journal of Arthroplasty</i> , 2019, 34, 102-107.	3.1	25
48	One-step strategy for chondral defect repair. <i>Frontiers in Bioscience - Landmark</i> , 2019, 24, 628-647.	3.0	0
49	Low-Dose Epinephrine Plus Tranexamic Acid Reduces Early Postoperative Blood Loss and Inflammatory Response. <i>Journal of Bone and Joint Surgery - Series A</i> , 2018, 100, 295-304.	3.0	14
50	Magnetic-targeting of polyethylenimine-wrapped iron oxide nanoparticle labeled chondrocytes in a rabbit articular cartilage defect model. <i>RSC Advances</i> , 2018, 8, 7633-7640.	3.6	5
51	Enzymatically crosslinked and mechanically tunable silk fibroin/pullulan hydrogels for mesenchymal stem cells delivery. <i>International Journal of Biological Macromolecules</i> , 2018, 115, 300-307.	7.5	56
52	How Do Axial Scan Orientation Deviations Affect the Measurements of Knee Anatomical Parameters Associated with Patellofemoral Instability? A Simulated Computed Tomography Study. <i>Journal of Knee Surgery</i> , 2018, 31, 425-432.	1.6	7
53	Risk Factors for the Rupture of Intracranial Aneurysms Using Computed Tomography Angiography. <i>World Neurosurgery</i> , 2018, 110, e333-e338.	1.3	18
54	Treatment of isolated talonavicular coalition: Case report and literature review. <i>Journal of International Medical Research</i> , 2018, 46, 5322-5330.	1.0	1

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55	Application of 3D-Printed Personalized Guide in Arthroscopic Ankle Arthrodesis. <i>BioMed Research International</i> , 2018, 2018, 1-8.	1.9	15
56	Adductor canal block versus femoral nerve block for total knee arthroplasty: a meta-analysis of randomized controlled trials. <i>Scientific Reports</i> , 2017, 7, 40721.	3.3	70
57	Three-dimensional printing in the surgical treatment of osteoid osteoma of the calcaneus: A case report. <i>Journal of International Medical Research</i> , 2017, 45, 372-380.	1.0	17
58	Total hip arthroplasty for patients with Crowe type IV developmental dysplasia of the hip: Ten years results. <i>International Journal of Surgery</i> , 2017, 42, 17-21.	2.7	42
59	A study of pre-operative presence of micro-organisms in affected knee joints of rheumatoid arthritis patients who need total knee arthroplasty. <i>Knee</i> , 2017, 24, 409-418.	1.6	7
60	Altered spontaneous calcium signaling of in situ chondrocytes in human osteoarthritic cartilage. <i>Scientific Reports</i> , 2017, 7, 17093.	3.3	16
61	Hemi-arthroplasty performed in a 109-year-old patient with intertrochanteric fracture: A case report. <i>Chinese Journal of Traumatology - English Edition</i> , 2017, 20, 352-354.	1.4	0
62	Pellet coculture of osteoarthritic chondrocytes and infrapatellar fat pad-derived mesenchymal stem cells with chitosan/hyaluronic acid nanoparticles promotes chondrogenic differentiation. <i>Stem Cell Research and Therapy</i> , 2017, 8, 264.	5.5	50
63	Chondromodulin-I expression and correlation with angiogenesis in human osteoarthritic cartilage. <i>Molecular Medicine Reports</i> , 2017, 16, 2142-2148.	2.4	5
64	Efficacy and Safety of Zhuanggu Joint Capsules in Combination with Celecoxib in Knee Osteoarthritis. <i>Chinese Medical Journal</i> , 2016, 129, 891-897.	2.3	6
65	Surgical Strategy for the Chronic Achilles Tendon Rupture. <i>BioMed Research International</i> , 2016, 2016, 1-8.	1.9	26
66	Substance-P in symptomatic mediopatellar plica as a predictor of patellofemoral pain. <i>Biomedical Reports</i> , 2016, 4, 21-26.	2.0	3
67	Management of Acute Hematogenous Infection Following Total Knee Arthroplasty: <sc>A</sc> Case Series of 11 Patients. <i>Orthopaedic Surgery</i> , 2016, 8, 475-482.	1.8	14
68	Arthroscopic arthrodesis for ankle arthritis without bone graft. <i>Journal of Orthopaedic Surgery and Research</i> , 2016, 11, 154.	2.3	36
69	Investigation of association between hip morphology and prevalence of osteoarthritis. <i>Scientific Reports</i> , 2016, 6, 23477.	3.3	31
70	Effects of vimentin disruption on the mechanoresponses of articular chondrocyte. <i>Biochemical and Biophysical Research Communications</i> , 2016, 469, 132-137.	2.1	19
71	An Arthroscopic Second-Look Study on the Effect of Remnant Preservation on Synovialization of Boneâ€“Patellar Tendonâ€“Bone Allograft in Anterior Cruciate Ligament Reconstruction. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2016, 32, 868-877.	2.7	20
72	Removal of osteoblastoma of the talar neck using standard anterior ankle Arthroscopy: A case report. <i>International Journal of Surgery Case Reports</i> , 2016, 23, 52-55.	0.6	9

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73	Does Patella Tendon Tenodesis Improve Tibial Tubercle Distalization in Treating Patella Alta? A Computational Study. <i>Clinical Orthopaedics and Related Research</i> , 2016, 474, 2451-2461.	1.5	9
74	Engineering zonal cartilage through bioprinting collagen type II hydrogel constructs with biomimetic chondrocyte density gradient. <i>BMC Musculoskeletal Disorders</i> , 2016, 17, 301.	1.9	97
75	Effect of anterior cruciate ligament rupture on secondary damage to menisci and articular cartilage. <i>Knee</i> , 2016, 23, 102-105.	1.6	13
76	Influence of the image levels of distal femur on the measurement of tibial tubercle-trochlear groove distance—a comparative study. <i>Journal of Orthopaedic Surgery and Research</i> , 2015, 10, 174.	2.3	8
77	Interleukin-1β and tumor necrosis factor-α increase stiffness and impair contractile function of articular chondrocytes. <i>Acta Biochimica Et Biophysica Sinica</i> , 2015, 47, 121-129.	2.0	43
78	Knee alignment in the transverse plane during weight-bearing activity and its implication for the tibial rotational alignment in total knee arthroplasty. <i>Clinical Biomechanics</i> , 2015, 30, 565-571.	1.2	8
79	Identifying the Functional Flexion-extension Axis of the Knee: An In-Vivo Kinematics Study. <i>PLoS ONE</i> , 2015, 10, e0128877.	2.5	34
80	Fabrication and Evaluation of Porous Keratin/chitosan (KCS) Scaffolds for Effectively Accelerating Wound Healing. <i>Biomedical and Environmental Sciences</i> , 2015, 28, 178-89.	0.2	34
81	Wnt/ β -Catenin Signaling Regulates the Proliferation and Differentiation of Mesenchymal Progenitor Cells through the p53 Pathway. <i>PLoS ONE</i> , 2014, 9, e97283.	2.5	39
82	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. <i>Journal of Arthroplasty</i> , 2014, 29, 2289-2293.	3.1	23
83	Discoid Lateral Meniscus Tears and Concomitant Articular Cartilage Lesions in the Knee. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2014, 30, 311-318.	2.7	32
84	Contribution of PTHrP to mechanical strain-induced fibrochondrogenic differentiation in entheses of Achilles tendon of miniature pigs. <i>Journal of Biomechanics</i> , 2014, 47, 2406-2414.	2.1	14
85	Study on anti-osteosarcoma activity of ethanol extract of <i>Venenum bufonis</i> in vitro. <i>African Journal of Traditional Complementary and Alternative Medicines</i> , 2014, 11, 73-7.	0.2	3
86	<i>In Vivo</i> MRI Tracking of Polyethylenimine-Wrapped Superparamagnetic Iron Oxide Nanoparticle- ⁶⁴ Fe-Labeled BMSCs for Cartilage Repair. <i>Cartilage</i> , 2013, 4, 75-82.	2.7	5
87	In vitro targeted magnetic delivery and tracking of superparamagnetic iron oxide particles labeled stem cells for articular cartilage defect repair. <i>Journal of Huazhong University of Science and Technology [Medical Sciences]</i> , 2011, 31, 204-209.	1.0	20
88	A Study on Construction of Finite Element Model and Stress Analysis of Anterior Cruciate Ligament Tibial Insertion. <i>Pakistan Journal of Medical Sciences</i> , 1969, 31, 632-6.	0.6	1