

Jiayong Liu

List of Publications by Year in descending order

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88
papers

2,280
citations

172457

29
h-index

254184

43
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88
all docs

88
docs citations

88
times ranked

2743
citing authors

#	ARTICLE	IF	CITATIONS
1	Prospective Review of Mesenchymal Stem Cells Differentiation into Osteoblasts. Orthopaedic Surgery, 2017, 9, 13-19.	1.8	133
2	Periprosthetic Distal Femur Fracture after Total Knee Arthroplasty: A Systematic Review. Orthopaedic Surgery, 2015, 7, 297-305.	1.8	98
3	Transplanted mesenchymal stem cells with pure fibrinous gelatin-transforming growth factor- β 1 decrease rabbit intervertebral disc degeneration. Spine Journal, 2010, 10, 802-810.	1.3	84
4	Changes of Pulmonary Function for Patients With Osteoporotic Vertebral Compression Fractures After Kyphoplasty. Journal of Spinal Disorders and Techniques, 2007, 20, 221-225.	1.9	75
5	Nonunion of Distal Femoral Fractures: a Systematic Review. Orthopaedic Surgery, 2013, 5, 46-50.	1.8	74
6	High Complication Rate in Locking Plate Fixation of Lower Periprosthetic Distal Femur Fractures in Patients With Total Knee Arthroplasties. Journal of Arthroplasty, 2012, 27, 809-813.	3.1	72
7	Diabetes and bone health: latest evidence and clinical implications. Therapeutic Advances in Musculoskeletal Disease, 2017, 9, 67-74.	2.7	69
8	Microarray-Assisted Fine-Mapping of Quantitative Trait Loci for Cold Tolerance in Rice. Molecular Plant, 2013, 6, 757-767.	8.3	66
9	A systematic review of the causes of failure of Revision Total Hip Arthroplasty. Journal of Orthopaedics, 2019, 16, 393-395.	1.3	66
10	Complications of Talar Neck Fractures by Hawkins Classification: A Systematic Review. Journal of Foot and Ankle Surgery, 2017, 56, 817-821.	1.0	59
11	The suprascapular nerve and its articular branch to the acromioclavicular joint: an anatomic study. Journal of Shoulder and Elbow Surgery, 2011, 20, e13-e17.	2.6	53
12	Design, Synthesis, and Biological Evaluation of Membrane-Active Bakuchiol Derivatives as Effective Broad-Spectrum Antibacterial Agents. Journal of Medicinal Chemistry, 2021, 64, 5603-5619.	6.4	49
13	Preservation of the spinous process-“ligament”-muscle complex to prevent kyphotic deformity following laminoplasty. Spine Journal, 2007, 7, 159-164.	1.3	48
14	Effect of the Blood HbA1c Level on Surgical Treatment Outcomes of Diabetics with Ankle Fractures. Orthopaedic Surgery, 2013, 5, 203-208.	1.8	46
15	A Systematic Review of Total Dislocation of the Talus. Orthopaedic Surgery, 2015, 7, 97-101.	1.8	44
16	Outcome of thoracolumbar burst fractures treated with indirect reduction and fixation without fusion. European Spine Journal, 2011, 20, 380-386.	2.2	43
17	In Vitro and in Vivo Evaluation of Membrane-Active Flavone Amphiphiles: Semisynthetic Kaempferol-Derived Antimicrobials against Drug-Resistant Gram-Positive Bacteria. Journal of Medicinal Chemistry, 2020, 63, 5797-5815.	6.4	43
18	Linkage of microbiota and osteoporosis: A mini literature review. World Journal of Orthopedics, 2019, 10, 123-127.	1.8	42

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19	Posterior Short-Segment Fixation and Fusion in Unstable Hangman's Fractures. <i>Spine</i> , 2011, 36, 529-533.	2.0	40
20	Reconstruction of comminuted posterior wall fractures using the buttress technique: a review of 32 fractures. <i>International Orthopaedics</i> , 2007, 31, 671-675.	1.9	39
21	Bone marrow mesenchymal stem cells slow intervertebral disc degeneration through the NF- κ B pathway. <i>Spine Journal</i> , 2015, 15, 530-538.	1.3	39
22	Current treatment of congenital pseudarthrosis of the tibia: a systematic review and meta-analysis. <i>Journal of Pediatric Orthopaedics Part B</i> , 2018, 27, 541-550.	0.6	37
23	Development of Highly Potent Carbazole Amphiphiles as Membrane-Targeting Antimicrobials for Treating Gram-Positive Bacterial Infections. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 9284-9299.	6.4	37
24	Morphometric Dimensions of the Calcaneonavicular (Spring) Ligament. <i>Foot and Ankle International</i> , 2007, 28, 927-932.	2.3	35
25	Assessment of relationship on excess arsenic intake from drinking water and cognitive impairment in adults and elders in arsenicosis areas. <i>International Journal of Hygiene and Environmental Health</i> , 2017, 220, 424-430.	4.3	33
26	Comparison of Surgical Techniques of 111 Medial Malleolar Fractures Classified by Fracture Geometry. <i>Foot and Ankle International</i> , 2014, 35, 471-477.	2.3	32
27	How the Increase of the Cervical Disc Space Height Affects the Facet Joint. <i>Spine</i> , 2006, 31, E350-E354.	2.0	31
28	Unstable atlas fracture treatment by anterior plate C1-ring osteosynthesis using a transoral approach. <i>European Spine Journal</i> , 2013, 22, 2232-2239.	2.2	31
29	Sliding trochanteric osteotomy in acetabular fractures: A review of 30 cases. <i>Injury</i> , 2007, 38, 1177-1182.	1.7	30
30	Fixation of Periprosthetic Femoral Shaft Fractures Adjacent to a Well-Fixed Femoral Stem With Reversed Distal Femoral Locking Plate. <i>Journal of Trauma</i> , 2009, 66, 1152-1157.	2.3	30
31	Surgical Treatment of Sacral Chordomas Combined With Transcatheter Arterial Embolization. <i>Journal of Spinal Disorders and Techniques</i> , 2010, 23, 47-52.	1.9	28
32	Systematic Review of Cervical Pedicle Dimensions and Projections. <i>Spine</i> , 2010, 35, E1373-E1380.	2.0	27
33	Antibiotic bone cement's effect on infection rates in primary and revision total knee arthroplasties. <i>World Journal of Orthopedics</i> , 2017, 8, 946-955.	1.8	27
34	Peroxisome proliferator-activated receptor delta agonist attenuates nicotine suppression effect on human mesenchymal stem cell-derived osteogenesis and involves increased expression of heme oxygenase-1. <i>Journal of Bone and Mineral Metabolism</i> , 2013, 31, 44-52.	2.7	26
35	Analysis of risk factors for recurrence after the resection of sacral chordoma combined with embolization. <i>Spine Journal</i> , 2009, 9, 972-980.	1.3	25
36	Effects of hypoxia on differentiation from human placenta-derived mesenchymal stem cells to nucleus pulposus-like cells. <i>Spine Journal</i> , 2014, 14, 2451-2458.	1.3	25

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37	Systematic review of periprosthetic tibia fracture after total knee arthroplasties. <i>World Journal of Orthopedics</i> , 2015, 6, 649.	1.8	25
38	Rational Design of Dipicolylamine-Containing Carbazole Amphiphiles Combined with Zn ²⁺ as Potent Broad-Spectrum Antibacterial Agents with a Membrane-Disruptive Mechanism. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 10429-10444.	6.4	24
39	Interprosthetic femoral fractures treated with locking plate. <i>International Orthopaedics</i> , 2014, 38, 2183-2189.	1.9	23
40	Morphometric analyses of the cervical superior facets and implications for facet dislocation. <i>International Orthopaedics</i> , 2008, 32, 97-101.	1.9	22
41	Do Early Results of Proximal Humeral Allograft-Prosthetic Composite Reconstructions Persist at 5-year Followup?. <i>Clinical Orthopaedics and Related Research</i> , 2019, 477, 758-765.	1.5	21
42	The association between medial malleolar fracture geometry, injury mechanism, and syndesmotic disruption. <i>Foot and Ankle Surgery</i> , 2014, 20, 276-280.	1.7	20
43	Systematic review of dynamization vs exchange nailing for delayed/non-union femoral fractures. <i>World Journal of Orthopedics</i> , 2018, 9, 92-99.	1.8	20
44	Thermoresponsive Injectable Microparticle-Gel Composites with Recombinant BMP-9 and VEGF Enhance Bone Formation in Rats. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 4587-4600.	5.2	20
45	Evaluation of skull thickness and insertion torque at the halo pin insertion areas in the elderly: a cadaveric study. <i>Spine Journal</i> , 2007, 7, 689-693.	1.3	19
46	Quantitative changes in the cervical neural foramen resulting from axial traction: in vivo imaging study. <i>Spine Journal</i> , 2008, 8, 619-623.	1.3	19
47	Effectiveness and safety of transforaminal lumbar interbody fusion in patients with previous laminectomy. <i>European Spine Journal</i> , 2015, 24, 810-816.	2.2	19
48	Distal Tibiofibular Syndesmosis Dysfunction: A Systematic Literature Review of Dynamic Versus Static Fixation Over the Last 10 Years. <i>Journal of Foot and Ankle Surgery</i> , 2019, 58, 320-327.	1.0	19
49	Locking Plate Fixation of Periprosthetic Femur Fractures with and without Cerclage Wires. <i>Orthopaedic Surgery</i> , 2013, 5, 183-187.	1.8	17
50	Treatment of Distal Femur Nonunion Following Initial Fixation with a Lateral Locking Plate. <i>Orthopaedic Surgery</i> , 2016, 8, 323-330.	1.8	17
51	Biomechanical analysis on of anterior transpedicular screw-fixation after two-level cervical corpectomy using finite element method. <i>Clinical Biomechanics</i> , 2018, 60, 76-82.	1.2	17
52	Comparison of Two Techniques for Transarticular Screw Implantation in the Subaxial Cervical Spine. <i>Journal of Spinal Disorders and Techniques</i> , 2011, 24, 126-131.	1.9	14
53	Radiological studies on the best entry point and trajectory of anterior cervical pedicle screw in the lower cervical spine. <i>European Spine Journal</i> , 2014, 23, 2175-2181.	2.2	14
54	Use of a 30-Degree External Rotation View for Posteromedial Tubercle Fractures of the Talus. <i>Journal of Orthopaedic Trauma</i> , 2007, 21, 579-582.	1.4	13

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55	Fluoroscopically-guided indirect posterior reduction and fixation of thoracolumbar burst fractures without fusion. <i>International Orthopaedics</i> , 2009, 33, 1329-1334.	1.9	13
56	The influence of correction loss in thoracolumbar fractures treated by posterior instrumentation: A minimum 7-year follow-up. <i>Journal of Clinical Neuroscience</i> , 2011, 18, 500-503.	1.5	13
57	Staged Treatment of Proximal Tibial Fracture Using External Locking Compression Plate. <i>Orthopaedic Surgery</i> , 2014, 6, 154-157.	1.8	13
58	Automatic Identification of Honey-pot Server Using Machine Learning Techniques. <i>Security and Communication Networks</i> , 2019, 2019, 1-8.	1.5	13
59	One-Stage External Fixation Using a Locking Plate: Experience in 116 Tibial Fractures. <i>Orthopedics</i> , 2015, 38, 494-497.	1.1	12
60	External Fixation Using a Locking Plate. <i>Journal of Orthopaedic Trauma</i> , 2015, 29, e454-e458.	1.4	12
61	Isolated Subtalar Dislocation. <i>Orthopedics</i> , 2013, 36, 714-720.	1.1	11
62	External Fixation Using Femoral Less Invasive Stabilization System Plate in Tibial Proximal Metaphyseal Fracture. <i>Clinics in Orthopedic Surgery</i> , 2015, 7, 8.	2.2	11
63	Comparison of intramedullary nail, plate, and external fixation in the treatment of distal tibia nonunions. <i>International Orthopaedics</i> , 2017, 41, 1925-1934.	1.9	10
64	Development of Amphiphilic Coumarin Derivatives as Membrane-Active Antimicrobial Agents with Potent <i>In Vivo</i> Efficacy against Gram-Positive Pathogenic Bacteria. <i>ACS Infectious Diseases</i> , 2021, 7, 2864-2875.	3.8	10
65	Proposed alternative revision strategy for broken S1 pedicle screw: radiological study, review of the literature, and case reports. <i>Spine Journal</i> , 2013, 13, 796-802.	1.3	8
66	Morphological changes in the cervical intervertebral foramen dimensions with unilateral facet joint dislocation. <i>Injury</i> , 2009, 40, 1157-1160.	1.7	7
67	An Evaluation of Halo Pin Insertion Torque on Outer Table Penetration in Elderly Patients. <i>Journal of Spinal Disorders and Techniques</i> , 2009, 22, 177-181.	1.9	7
68	An improvement method for degree and its extending centralities in directed networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 532, 121891.	2.6	7
69	Registration of "YZ081609" Sugarcane. <i>Journal of Plant Registrations</i> , 2019, 13, 362-367.	0.5	7
70	Effects on Clinical Outcomes of Grafts and Spacers Used in Transforaminal Lumbar Interbody Fusion: a Critical Review. <i>Orthopaedic Surgery</i> , 2013, 5, 13-17.	1.8	6
71	Challenge of Managing Distal Femur Fractures with Long-stemmed Total Knee Implants. <i>Orthopaedic Surgery</i> , 2014, 6, 217-222.	1.8	6
72	The Study on Comparison of 3 Techniques for Transarticular Screw Placement in the Lower Cervical Spine. <i>Spine</i> , 2012, 37, E468-E472.	2.0	5

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73	Evaluation of Partial Cut-out of Sacroiliac Screws From the Sacral Ala Slope via Pelvic Inlet and Outlet View. <i>Spine</i> , 2015, 40, E1264-E1268.	2.0	5
74	Nonunion of Comminuted Transverse Sternal Fracture Involving Manubrio-sternal Joint Fixed With Metal Plates and Autogenous Bone Graft. <i>Journal of Trauma</i> , 2007, 62, 227-230.	2.3	4
75	SecACS: Enabling lightweight secure auditable cloud storage with data dynamics. <i>Journal of Information Security and Applications</i> , 2020, 54, 102545.	2.5	4
76	Selecting for multiple traits in complex production systems: A case study of sugarcane in China. <i>Agricultural Systems</i> , 2017, 152, 110-120.	6.1	4
77	Preliminary Result of Percutaneous Screw Fixation for Bone Bruise of the Tibial Plateau. <i>Orthopedics</i> , 2015, 38, 747-750.	1.1	3
78	An RCT study on the feasibility of anterior transpedicular screw fixation in the cervicothoracic junction. <i>European Spine Journal</i> , 2016, 25, 1716-1723.	2.2	3
79	Sugarcane root distribution and growth as affected by genotype and crop cycle. <i>Bragantia</i> , 2020, 79, 192-202.	1.3	3
80	Domain transfer multi-instance dictionary learning. <i>Neural Computing and Applications</i> , 2017, 28, 983-992.	5.6	2
81	A Review of Terrible Triad Injury of the Elbow. <i>Techniques in Shoulder and Elbow Surgery</i> , 2012, 13, 101-106.	0.2	1
82	Clinical application of combined fixation in the cervical spine using posterior transfacet screws and pedicle screws. <i>Journal of Clinical Neuroscience</i> , 2013, 20, 560-564.	1.5	1
83	Comparison of angled versus AP view radiography for post-operative evaluation of lumbosacral spondylolisthesis: a cadaveric study. <i>Surgical and Radiologic Anatomy</i> , 2009, 31, 63-67.	1.2	0
84	Authors reply to the comments by Moon et al. on the article by Yang H-L et al.: Fluoroscopically-guided indirect posterior reduction and fixation of thoracolumbar burst fractures without fusion. <i>International Orthopaedics</i> , 2010, 34, 611-612.	1.9	0
85	Answer to the Letter to the Editor of F. Lucas et al. concerning "Outcome of thoracolumbar burst fractures treated with indirect reduction and fixation without fusion" by Huilin Yang, Jin-Hui Shi, Molly Ebraheim, Xiaochen Liu, Joseph Konrad, Ibrahim Husain, Tian-Si Tang, Jiayong Liu. <i>Eur Spine J</i> . Published online 8 August 2010. <i>European Spine Journal</i> . 2011. 20, 1193-1193.	2.2	0
86	SPCTR: Sealed Auction-Based Procurement for Closest Pre-Tender with Range Validation. <i>Security and Communication Networks</i> , 2020, 2020, 1-12.	1.5	0
87	Benefit Analysis on Rural Human Resource Development. , 0, , .		0
88	Clinical observation of treatment of idiopathic macular hole with internal limiting membrane transplantation combined with temporal flap turnover and air filling. <i>Panminerva Medica</i> , 2020, 61, 501-504.	0.8	0