

# 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  
g-index

88  
all docs

88  
docs citations

88  
times ranked

2743  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design, Synthesis, and Biological Evaluation of Membrane-Active Bakuchiol Derivatives as Effective Broad-Spectrum Antibacterial Agents. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 5603-5619.	6.4	49
2	Rational Design of Dipicolylamine-Containing Carbazole Amphiphiles Combined with Zn <sup>2+</sup> as Potent Broad-Spectrum Antibacterial Agents with a Membrane-Disruptive Mechanism. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 10429-10444.	6.4	24
3	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
4	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
5	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
6	In Vitro and in Vivo Evaluation of Membrane-Active Flavone Amphiphiles: Semisynthetic Kaempferol-Derived Antimicrobials against Drug-Resistant Gram-Positive Bacteria. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 5797-5815.	6.4	43
7	SecACS: Enabling lightweight secure auditable cloud storage with data dynamics. <i>Journal of Information Security and Applications</i> , 2020, 54, 102545.	2.5	4
8	Sugarcane root distribution and growth as affected by genotype and crop cycle. <i>Bragantia</i> , 2020, 79, 192-202.	1.3	3
9	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
10	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
11	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
12	Automatic Identification of Honeypot Server Using Machine Learning Techniques. <i>Security and Communication Networks</i> , 2019, 2019, 1-8.	1.5	13
13	Linkage of microbiota and osteoporosis: A mini literature review. <i>World Journal of Orthopedics</i> , 2019, 10, 123-127.	1.8	42
14	A systematic review of the causes of failure of Revision Total Hip Arthroplasty. <i>Journal of Orthopaedics</i> , 2019, 16, 393-395.	1.3	66
15	Registration of “YZ081609” Sugarcane. <i>Journal of Plant Registrations</i> , 2019, 13, 362-367.	0.5	7
16	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
17	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
18	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

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19	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
20	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
21	Domain transfer multi-instance dictionary learning. <i>Neural Computing and Applications</i> , 2017, 28, 983-992.	5.6	2
22	Diabetes and bone health: latest evidence and clinical implications. <i>Therapeutic Advances in Musculoskeletal Disease</i> , 2017, 9, 67-74.	2.7	69
23	Prospective Review of Mesenchymal Stem Cells Differentiation into Osteoblasts. <i>Orthopaedic Surgery</i> , 2017, 9, 13-19.	1.8	133
24	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
25	Complications of Talar Neck Fractures by Hawkins Classification: A Systematic Review. <i>Journal of Foot and Ankle Surgery</i> , 2017, 56, 817-821.	1.0	59
26	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
27	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
28	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
29	Treatment of Distal Femur Nonunion Following Initial Fixation with a Lateral Locking Plate. <i>Orthopaedic Surgery</i> , 2016, 8, 323-330.	1.8	17
30	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
31	A Systematic Review of Total Dislocation of the Talus. <i>Orthopaedic Surgery</i> , 2015, 7, 97-101.	1.8	44
32	Periprosthetic Distal Femur Fracture after Total Knee Arthroplasty: A Systematic Review. <i>Orthopaedic Surgery</i> , 2015, 7, 297-305.	1.8	98
33	One-Stage External Fixation Using a Locking Plate: Experience in 116 Tibial Fractures. <i>Orthopedics</i> , 2015, 38, 494-497.	1.1	12
34	Preliminary Result of Percutaneous Screw Fixation for Bone Bruise of the Tibial Plateau. <i>Orthopedics</i> , 2015, 38, 747-750.	1.1	3
35	External Fixation Using a Locking Plate. <i>Journal of Orthopaedic Trauma</i> , 2015, 29, e454-e458.	1.4	12
36	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

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37	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
38	Systematic review of periprosthetic tibia fracture after total knee arthroplasties. <i>World Journal of Orthopedics</i> , 2015, 6, 649.	1.8	25
39	Bone marrow mesenchymal stem cells slow intervertebral disc degeneration through the NF- $\kappa$ B pathway. <i>Spine Journal</i> , 2015, 15, 530-538.	1.3	39
40	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
41	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
42	Challenge of Managing Distal Femur Fractures with Long-stemmed Total Knee Implants. <i>Orthopaedic Surgery</i> , 2014, 6, 217-222.	1.8	6
43	Staged Treatment of Proximal Tibial Fracture Using External Locking Compression Plate. <i>Orthopaedic Surgery</i> , 2014, 6, 154-157.	1.8	13
44	Interprosthetic femoral fractures treated with locking plate. <i>International Orthopaedics</i> , 2014, 38, 2183-2189.	1.9	23
45	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
46	The association between medial malleolar fracture geometry, injury mechanism, and syndesmotom disruption. <i>Foot and Ankle Surgery</i> , 2014, 20, 276-280.	1.7	20
47	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
48	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
49	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
50	Microarray-Assisted Fine-Mapping of Quantitative Trait Loci for Cold Tolerance in Rice. <i>Molecular Plant</i> , 2013, 6, 757-767.	8.3	66
51	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
52	Locking Plate Fixation of Periprosthetic Femur Fractures with and without Cerclage Wires. <i>Orthopaedic Surgery</i> , 2013, 5, 183-187.	1.8	17
53	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
54	Nonunion of Distal Femoral Fractures: a Systematic Review. <i>Orthopaedic Surgery</i> , 2013, 5, 46-50.	1.8	74

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55	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
56	Isolated Subtalar Dislocation. <i>Orthopedics</i> , 2013, 36, 714-720.	1.1	11
57	Effect of the Blood <scp>HbA1c</scp> Level on Surgical Treatment Outcomes of Diabetics with Ankle Fractures. <i>Orthopaedic Surgery</i> , 2013, 5, 203-208.	1.8	46
58	A Review of Terrible Triad Injury of the Elbow. <i>Techniques in Shoulder and Elbow Surgery</i> , 2012, 13, 101-106.	0.2	1
59	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
60	High Complication Rate in Locking Plate Fixation of Lower Periprosthetic Distal Femur Fractures in Patients With Total Knee Arthroplasties. <i>Journal of Arthroplasty</i> , 2012, 27, 809-813.	3.1	72
61	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
62	The suprascapular nerve and its articular branch to the acromioclavicular joint: an anatomic study. <i>Journal of Shoulder and Elbow Surgery</i> , 2011, 20, e13-e17.	2.6	53
63	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
64	Outcome of thoracolumbar burst fractures treated with indirect reduction and fixation without fusion. <i>European Spine Journal</i> , 2011, 20, 380-386.	2.2	43
65	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
66	Posterior Short-Segment Fixation and Fusion in Unstable Hangman's Fractures. <i>Spine</i> , 2011, 36, 529-533.	2.0	40
67	Systematic Review of Cervical Pedicle Dimensions and Projections. <i>Spine</i> , 2010, 35, E1373-E1380.	2.0	27
68	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
69	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
70	Transplanted mesenchymal stem cells with pure fibrinous gelatin-transforming growth factor- $\beta$ 1 decrease rabbit intervertebral disc degeneration. <i>Spine Journal</i> , 2010, 10, 802-810.	1.3	84
71	Morphological changes in the cervical intervertebral foramen dimensions with unilateral facet joint dislocation. <i>Injury</i> , 2009, 40, 1157-1160.	1.7	7
72	Fluoroscopically-guided indirect posterior reduction and fixation of thoracolumbar burst fractures without fusion. <i>International Orthopaedics</i> , 2009, 33, 1329-1334.	1.9	13

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73	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
74	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
75	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
76	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
77	Morphometric analyses of the cervical superior facets and implications for facet dislocation. <i>International Orthopaedics</i> , 2008, 32, 97-101.	1.9	22
78	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
79	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
80	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
81	Changes of Pulmonary Function for Patients With Osteoporotic Vertebral Compression Fractures After Kyphoplasty. <i>Journal of Spinal Disorders and Techniques</i> , 2007, 20, 221-225.	1.9	75
82	Morphometric Dimensions of the Calcaneonavicular (Spring) Ligament. <i>Foot and Ankle International</i> , 2007, 28, 927-932.	2.3	35
83	Preservation of the spinous processâ€“ligamentâ€“muscle complex to prevent kyphotic deformity following laminoplasty. <i>Spine Journal</i> , 2007, 7, 159-164.	1.3	48
84	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
85	Sliding trochanteric osteotomy in acetabular fractures: A review of 30 cases. <i>Injury</i> , 2007, 38, 1177-1182.	1.7	30
86	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
87	How the Increase of the Cervical Disc Space Height Affects the Facet Joint. <i>Spine</i> , 2006, 31, E350-E354.	2.0	31
88	Benefit Analysis on Rural Human Resource Development. , 0, , .		0