

# Zhou Xiang

## List of Publications by Year in descending order

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76  
papers

1,419  
citations

331670

21  
h-index

395702

33  
g-index

96  
all docs

96  
docs citations

96  
times ranked

1815  
citing authors

#	ARTICLE	IF	CITATIONS
1	Collagenâ€“GAG Scaffolds Grafted onto Myocardial Infarcts in a Rat Model: A Delivery Vehicle for Mesenchymal Stem Cells. <i>Tissue Engineering</i> , 2006, 12, 2467-2478.	4.6	99
2	&lt;p&gt;Growth Factor and Its Polymer Scaffold-Based Delivery System for Cartilage Tissue Engineering&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 6097-6111.	6.7	77
3	Mesenchymal Stem Cells in Combination with Hyaluronic Acid for Articular Cartilage Defects. <i>Scientific Reports</i> , 2018, 8, 9900.	3.3	63
4	Regulation and Directing Stem Cell Fate by Tissue Engineering Functional Microenvironments: Scaffold Physical and Chemical Cues. <i>Stem Cells International</i> , 2019, 2019, 1-16.	2.5	60
5	Intramedullary versus extramedullary internal fixation for unstable intertrochanteric fracture, a meta-analysis. <i>Acta Orthopaedica Et Traumatologica Turcica</i> , 2018, 52, 299-307.	0.8	54
6	3D Bioprinting for Vascularized Tissue-Engineered Bone Fabrication. <i>Materials</i> , 2020, 13, 2278.	2.9	54
7	Hyaluronic acid as a bioactive component for bone tissue regeneration: Fabrication, modification, properties, and biological functions. <i>Nanotechnology Reviews</i> , 2020, 9, 1059-1079.	5.8	53
8	Induction of M2â€“Type Macrophage Differentiation for Bone Defect Repair via an Interpenetration Network Hydrogel with a GOâ€“Based Controlled Release System. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001502.	7.6	51
9	Iatrogenic Vertebral Artery Injury During Anterior Cervical Spine Surgery: A Systematic Review. <i>World Neurosurgery</i> , 2017, 106, 715-722.	1.3	48
10	Relationship between comorbidities and treatment decision-making in elderly hip fracture patients. <i>Aging Clinical and Experimental Research</i> , 2019, 31, 1735-1741.	2.9	45
11	Admission prevalence of deep vein thrombosis in elderly Chinese patients with hip fracture and a new predictor based on risk factors for thrombosis screening. <i>BMC Musculoskeletal Disorders</i> , 2018, 19, 444.	1.9	43
12	Human Urine-Derived Stem Cells: Potential for Cell-Based Therapy of Cartilage Defects. <i>Stem Cells International</i> , 2018, 2018, 1-14.	2.5	43
13	The role of perioperative oral nutritional supplementation in elderly patients after hip&nbsp;surgery. <i>Clinical Interventions in Aging</i> , 2015, 10, 849.	2.9	40
14	Nanostructured titanium surfaces fabricated by hydrothermal method: Influence of alkali conditions on the osteogenic performance of implants. <i>Materials Science and Engineering C</i> , 2019, 94, 1-10.	7.3	34
15	Progress of Phototherapy Applications in the Treatment of Bone Cancer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11354.	4.1	30
16	Graphene oxideâ€“modified 3D acellular cartilage extracellular matrix scaffold for cartilage regeneration. <i>Materials Science and Engineering C</i> , 2021, 119, 111603.	7.3	29
17	Comparison of chondrogenesis-related biological behaviors between human urine-derived stem cells and human bone marrow mesenchymal stem cells from the same individual. <i>Stem Cell Research and Therapy</i> , 2021, 12, 366.	5.5	28
18	Effectiveness and Safety of Interventions for Treating Adults with Displaced Proximal Humeral Fracture: A Network Meta-Analysis and Systematic Review. <i>PLoS ONE</i> , 2016, 11, e0166801.	2.5	27

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19	A biphasic, demineralized, and Decellularized allograft bone hydrogel scaffold with a cell-based BMP-7 delivery system for osteochondral defect regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , 2020, 108, 1909-1921.	4.0	25
20	Illizarov bone transport combined with antibiotic cement spacer for infected tibial nonunion. <i>International Journal of Clinical and Experimental Medicine</i> , 2015, 8, 10058-65.	1.3	25
21	Cervical intradural disc herniation: A systematic review. <i>Journal of Clinical Neuroscience</i> , 2018, 48, 1-6.	1.5	22
22	Surface mineralized biphasic calcium phosphate ceramics loaded with urine-derived stem cells are effective in bone regeneration. <i>Journal of Orthopaedic Surgery and Research</i> , 2019, 14, 419.	2.3	22
23	The Efficacy and Safety of Intravenous Tranexamic Acid in Reducing Surgical Blood Loss in Posterior Lumbar Interbody Fusion for the Adult: A Systematic Review and a Meta-Analysis. <i>World Neurosurgery</i> , 2019, 122, 559-568.	1.3	22
24	Antitumor and anti-inflammatory effects of oligosaccharides from <i>Cistanche deserticola</i> extract on spinal cord injury. <i>International Journal of Biological Macromolecules</i> , 2019, 124, 360-367.	7.5	22
25	Postoperative outcomes of tranexamic acid use in geriatric trauma patients treated with proximal femoral intramedullary nails: A systematic review and meta-analysis. <i>Orthopaedics and Traumatology: Surgery and Research</i> , 2020, 106, 117-126.	2.0	21
26	Graphene oxide-modified silk fibroin/nanohydroxyapatite scaffold loaded with urine-derived stem cells for immunomodulation and bone regeneration. <i>Stem Cell Research and Therapy</i> , 2021, 12, 591.	5.5	20
27	Tranexamic Acid Reduces Hidden Blood Loss in Patients Undergoing Total Knee Arthroplasty: A Comparative Study and Meta-Analysis. <i>Medical Science Monitor</i> , 2016, 22, 797-802.	1.1	18
28	Bisphosphonates can prevent recurrent hip fracture and reduce the mortality in osteoporotic patient with hip fracture: a meta-analysis. <i>Pakistan Journal of Medical Sciences</i> , 1969, 32, 499-504.	0.6	17
29	Effect of Methylprednisolone on Pain Management in Total Knee or Hip Arthroplasty. <i>Clinical Journal of Pain</i> , 2018, 34, 967-974.	1.9	17
30	Combined Application of Graphene Family Materials and Silk Fibroin in Biomedicine. <i>ChemistrySelect</i> , 2019, 4, 5745-5754.	1.5	17
31	Role of magnetic resonance imaging versus ultrasound for detection of plantar plate tear. <i>Journal of Orthopaedic Surgery and Research</i> , 2017, 12, 14.	2.3	16
32	Clinical Evidence for Treatment of Distal Tibiofibular Syndesmosis Injury: A Systematic Review of Clinical Studies. <i>Journal of Foot and Ankle Surgery</i> , 2019, 58, 1245-1250.	1.0	16
33	Efficacy and tolerability of duloxetine in patients with knee osteoarthritis: a meta-analysis of randomised controlled trials. <i>Internal Medicine Journal</i> , 2019, 49, 1514-1523.	0.8	16
34	Combination of graphene oxide and platelet-rich plasma improves tendon bone healing in a rabbit model of supraspinatus tendon reconstruction. <i>International Journal of Energy Production and Management</i> , 2021, 8, rbab045.	3.7	16
35	The prevalence of depression in degenerative spine disease patients: A systematic review and meta-analysis. <i>European Spine Journal</i> , 2021, 30, 3417-3427.	2.2	16
36	Surgery for Giant Calcified Herniated Thoracic Discs: A Systematic Review. <i>World Neurosurgery</i> , 2018, 118, 109-117.	1.3	15

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37	Prognostic nomograms to predict overall survival and cancer-specific survival in patients with pelvic chondrosarcoma. <i>Cancer Medicine</i> , 2019, 8, 5438-5449.	2.8	14
38	Rehabilitation protocol after arthroscopic rotator cuff repair: early versus delayed motion. <i>International Journal of Clinical and Experimental Medicine</i> , 2015, 8, 8329-38.	1.3	14
39	Nanotopographical 3D-Printed Poly( $\mu$ -caprolactone) Scaffolds Enhance Proliferation and Osteogenic Differentiation of Urine-Derived Stem Cells for Bone Regeneration. <i>Pharmaceutics</i> , 2022, 14, 1437.	4.5	14
40	Combination of granulocyte colony-stimulating factor and CXCR4 antagonist AMD3100 for effective harvest of endothelial progenitor cells from peripheral blood and in vitro formation of primitive endothelial networks. <i>Cell and Tissue Banking</i> , 2016, 17, 161-169.	1.1	12
41	Urine-derived stem cells loaded onto a chitosan-optimized biphasic calcium-phosphate scaffold for repairing large segmental bone defects in rabbits. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2021, 109, 2014-2029.	3.4	12
42	Long Non-Coding RNA (lncRNA) Small Nucleolar RNA Host Gene 15 (SNHG15) Alleviates Osteoarthritis Progression by Regulation of Extracellular Matrix Homeostasis. <i>Medical Science Monitor</i> , 2020, 26, e923868.	1.1	11
43	Middle-term follow-up results of Pipkin type IV femoral head fracture patients treated by reconstruction plate and bioabsorbable screws. <i>Chinese Journal of Traumatology - English Edition</i> , 2018, 21, 170-175.	1.4	10
44	Sparstolonin B prevents lumbar intervertebral disc degeneration through toll like receptor 4, NADPH oxidase activation and the protein kinase B signaling pathway. <i>Molecular Medicine Reports</i> , 2017, 17, 1347-1353.	2.4	8
45	Postoperative occipital neuralgia in posterior upper cervical spine surgery: a systematic review. <i>Neurosurgical Review</i> , 2018, 41, 779-785.	2.4	8
46	Association of iron supplementation with risk of transfusion, hospital length of stay, and mortality in geriatric patients undergoing hip fracture surgeries: a meta-analysis. <i>European Geriatric Medicine</i> , 2021, 12, 5-15.	2.8	7
47	A sustained release of BMP2 in urine-derived stem cells enhances the osteogenic differentiation and the potential of bone regeneration. <i>International Journal of Energy Production and Management</i> , 2022, 9, rbac015.	3.7	7
48	The preemptive effects of oral pregabalin on perioperative pain management in lower limb orthopedic surgery: a systematic review and meta-analysis. <i>Journal of Orthopaedic Surgery and Research</i> , 2022, 17, 237.	2.3	7
49	Surgical Treatment of Internal Fixation Failure of Femoral Peritrochanteric Fracture. <i>Orthopaedic Surgery</i> , 2021, 13, 1739-1747.	1.8	6
50	The effect of early mobilization on functional outcomes after hip surgery in the Chinese population – A multicenter prospective cohort study. <i>Journal of Orthopaedic Surgery</i> , 2021, 29, 230949902110589.	1.0	6
51	Application of the Ilizarov technique for knee joint arthrodesis as a treatment for end-stage tuberculosis of the knee. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 579.	1.9	5
52	Early and mid-term results of transarticular external fixation in the treatment of supination-external rotation type IV equivalent ankle fractures. <i>Chinese Journal of Traumatology - English Edition</i> , 2018, 21, 193-196.	1.4	4
53	Treatment of Atlantoaxial Tuberculosis with Neurological Impairment: A Systematic Review. <i>World Neurosurgery</i> , 2020, 135, 7-13.	1.3	4
54	Denosumab and romosozumab do not increase the risk of cardiovascular events in patients with primary osteoporosis: A reanalysis of the meta-analysis. <i>Bone</i> , 2020, 134, 115270.	2.9	4

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55	Effects of calcitonin on lumbar spinal stenosis: a systematic review and meta-analysis. <i>International Journal of Clinical and Experimental Medicine</i> , 2015, 8, 2536-44.	1.3	4
56	Antegrade locked intramedullary nailing versus dynamic compression plating for humeral shaft fractures in adults: a meta-analysis of randomized controlled trials. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2012, 22, 443-447.	1.4	3
57	The Efficacy and Safety of Epsilon-Aminocaproic Acid for Blood Loss and Transfusions in Spinal Deformity Surgery: A Meta-Analysis. <i>World Neurosurgery</i> , 2019, 128, 579-586.e1.	1.3	3
58	The effect of Parkinson's disease on Chinese geriatric patients with intertrochanteric fracture: A propensity score-matched analysis. <i>Orthopaedics and Traumatology: Surgery and Research</i> , 2020, 106, 627-632.	2.0	3
59	3D reduction combined with the modified Kirschner-wire tension band for the treatment of comminuted patella fracture. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2022, , 1.	2.4	3
60	Homolateral Hip Dislocation, Floating Hip Injury, and Floating Knee Injury: A Unique Presentation of a Rare Injury. <i>International Surgery</i> , 2018, 103, 489-492.	0.1	2
61	Effect of a preoperative mobilization program on perioperative complications and function recovery in older adults with femoral neck fracture. <i>Geriatric Nursing</i> , 2022, 44, 69-75.	1.9	2
62	Preliminary study of mesenchymal stem cells-seeded type I collagen-glycosaminoglycan matrices for cartilage repair. <i>Zhongguo Xiu Fu Chong Jian Wai Ke Za Zhi = Zhongguo Xiufu Chongjian Waike Zazhi = Chinese Journal of Reparative and Reconstructive Surgery</i> , 2006, 20, 148-54.	2.0	2
63	The Short- and Mid-term Follow-up of Single-column Fixation in Transverse and Posterior Wall Acetabular Fractures. <i>Orthopaedic Surgery</i> , 2022, 14, 65-72.	1.8	2
64	Hook plate fixation with versus without coracoclavicular reconstruction for distal clavicular fractures. <i>Journal of Orthopaedic Surgery</i> , 2022, 30, 102255362210886.	1.0	2
65	Large hemorrhage due to venipuncture in the elbow of a patient with severe hemophilia: A case report and literature review. <i>Experimental and Therapeutic Medicine</i> , 2016, 11, 1023-1026.	1.8	1
66	A retrospective pilot study of preoperative mobilization program for older adults with hip fracture. <i>Geriatric Nursing</i> , 2021, 42, 908-914.	1.9	1
67	Impairment in activities of daily living and cognitive decline mediate the association between depressive symptoms and incident hip fractures in Chinese older adults. <i>Bone</i> , 2022, 159, 116374.	2.9	1
68	Statins for osteoporosis in postmenopausal women. <i>The Cochrane Library</i> , 2007, , .	2.8	0
69	Reply to Dhillon et al.: Comments on Kailu et al.: Chronic perilunate dislocations treated with open reduction and internal fixation: results of medium term follow-up. <i>International Orthopaedics</i> , 2011, 35, 629-629.	1.9	0
70	Letter to the editor on "A comparison of primary and delayed wound closure in severe open tibial fractures initially treated with internal fixation and vacuum-assisted wound coverage: A case-controlled study". <i>International Journal of Surgery</i> , 2015, 13, 308-309.	2.7	0
71	Effet de la maladie de Parkinson sur le devenir de patients chinois ayant une fracture inter-trochantérienne: analyse cas à cas par le score de propension. <i>Revue De Chirurgie Orthopedique Et Traumatologique</i> , 2020, 106, 359.	0.0	0
72	Effet sur la perte sanguine de l'utilisation de l'acide tranexamique chez des patients gériatriques traités par enclouage fermé du tibia proximal: revue systématique et méta-analyse. <i>Revue De Chirurgie Orthopedique Et Traumatologique</i> , 2020, 106, 42.	0.0	0

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73	Letter to the Editor regarding van de Wall et al: "Conservative vs. operative treatment for humeral shaft fractures: a meta-analysis and systematic review of randomized clinical trials and observational studies". Journal of Shoulder and Elbow Surgery, 2021, 30, e30-e31.	2.6	0
74	L'index de comorbidité ajusté au risque de Charlson comme nouveau facteur prédictif de la mortalité à un an des patients chinois après chirurgie de fracture du col du fémur. Revue De Chirurgie Orthopedique Et Traumatologique, 2021, 107, 375.	0.0	0
75	Clinical Outcome of Free Vascularized Fibula Graft for Nonunion of <sc>Garden IV</sc> Femoral Neck Fracture of 13 Years Duration: A Case Report. Orthopaedic Surgery, 2022, , .	1.8	0
76	Five-year outcomes of trauma-specific function in patients after acute blunt popliteal artery injury: a matched cohort analysis. Journal of Orthopaedic Surgery and Research, 2022, 17, 256.	2.3	0