

Pengde Kang

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

85 papers	1,108 citations	19 h-index	29 g-index
97 ext. papers	1,452 ext. citations	3.7 avg, IF	4.76 L-index

#	Paper	IF	Citations
85	Topical application of tranexamic acid in primary total hip arthroplasty: a randomized double-blind controlled trial. <i>Journal of Arthroplasty</i> , 2014 , 29, 2452-6	4.4	111
84	Adductor canal block provides better performance after total knee arthroplasty compared with femoral nerve block: a systematic review and meta-analysis. <i>International Orthopaedics</i> , 2016 , 40, 925-33 ^{3.8}		71
83	Are the results of multiple drilling and alendronate for osteonecrosis of the femoral head better than those of multiple drilling? A pilot study. <i>Joint Bone Spine</i> , 2012 , 79, 67-72	2.9	57
82	Effects of multi-site infiltration analgesia on pain management and early rehabilitation compared with femoral nerve or adductor canal block for patients undergoing total knee arthroplasty: a prospective randomized controlled trial. <i>International Orthopaedics</i> , 2017 , 41, 75-83	3.8	54
81	Combined use of intravenous and topical tranexamic acid following cementless total hip arthroplasty: a randomised clinical trial. <i>HIP International</i> , 2016 , 26, 36-42	1.7	43
80	Enhanced bone defect repairing effects in glucocorticoid-induced osteonecrosis of the femoral head using a porous nano-lithium-hydroxyapatite/gelatin microsphere/erythropoietin composite scaffold. <i>Biomaterials Science</i> , 2018 , 6, 519-537	7.4	39
79	Does tranexamic acid alter the risk of thromboembolism following primary total knee arthroplasty with sequential earlier anticoagulation? A large, single center, prospective cohort study of consecutive cases. <i>Thrombosis Research</i> , 2015 , 136, 234-8	8.2	39
78	Repairing defect and preventing collapse of femoral head in a steroid-induced osteonecrotic of femoral head animal model using strontium-doped calcium polyphosphate combined BM-MNCs. <i>Journal of Materials Science: Materials in Medicine</i> , 2015 , 26, 80	4.5	38
77	Influence of tourniquet use in primary total knee arthroplasty with drainage: a prospective randomised controlled trial. <i>Journal of Orthopaedic Surgery and Research</i> , 2017 , 12, 172	2.8	37
76	Single-dose tranexamic acid for reducing bleeding and transfusions in total hip arthroplasty: A double-blind, randomized controlled trial of different doses. <i>Thrombosis Research</i> , 2016 , 141, 119-23	8.2	32
75	Effects of an anticoagulant and a lipid-lowering agent on the prevention of steroid-induced osteonecrosis in rabbits. <i>International Journal of Experimental Pathology</i> , 2010 , 91, 235-43	2.8	28
74	Efficacy of bisphosphonates in the treatment of femoral head osteonecrosis: A PRISMA-compliant meta-analysis of animal studies and clinical trials. <i>Scientific Reports</i> , 2018 , 8, 1450	4.9	26
73	Efficacy of oral tranexamic acid on blood loss in primary total hip arthroplasty using a direct anterior approach: a prospective randomized controlled trial. <i>International Orthopaedics</i> , 2018 , 42, 2535-2542 ^{3.8}		24
72	Circulating platelet-derived microparticles and endothelium-derived microparticles may be a potential cause of microthrombosis in patients with osteonecrosis of the femoral head. <i>Thrombosis Research</i> , 2008 , 123, 367-73	8.2	24
71	Icariin: A promising osteoinductive compound for repairing bone defect and osteonecrosis. <i>Journal of Biomaterials Applications</i> , 2015 , 30, 290-9	2.9	23
70	Total Hip Arthroplasty Using Non-Modular Cementless Long-Stem Distal Fixation for Salvage of Failed Internal Fixation of Intertrochanteric Fracture. <i>Journal of Arthroplasty</i> , 2015 , 30, 1999-2003	4.4	22
69	Porous lithium-doped hydroxyapatite scaffold seeded with hypoxia-preconditioned bone-marrow mesenchymal stem cells for bone-tissue regeneration. <i>Biomedical Materials (Bristol)</i> , 2018 , 13, 055002	3.5	21

68	Repair of the calvarial defect in goat model using magnesium-doped porous hydroxyapatite combined with recombinant human bone morphogenetic protein-2. <i>Bio-Medical Materials and Engineering</i> , 2017 , 28, 361-377	1	19
67	Effect of Intravenous Corticosteroids on Pain Management and Early Rehabilitation in Patients Undergoing Total Knee or Hip Arthroplasty: A Meta-Analysis of Randomized Controlled Trials. <i>Pain Practice</i> , 2018 , 18, 487-499	3	19
66	MicroRNA-140 Suppresses Human Chondrocytes Hypertrophy by Targeting SMAD1 and Controlling the Bone Morphogenetic Protein Pathway in Osteoarthritis. <i>American Journal of the Medical Sciences</i> , 2018 , 355, 477-487	2.2	18
65	Subcutaneous administration of methotrexate at high doses makes a better performance in the treatment of rheumatoid arthritis compared with oral administration of methotrexate: A systematic review and meta-analysis. <i>Seminars in Arthritis and Rheumatism</i> , 2016 , 45, 656-62	5.3	17
64	Total Hip Arthroplasty for Failed Internal Fixation After Femoral Neck Fracture Versus That for Acute Displaced Femoral Neck Fracture: A Comparative Study. <i>Journal of Arthroplasty</i> , 2015 , 30, 1378-83	4.4	15
63	Reconstructed the bone stock after femoral bone loss in Vancouver B3 periprosthetic femoral fractures using cortical strut allograft and impacted cancellous allograft. <i>International Orthopaedics</i> , 2018 , 42, 2787-2795	3.8	15
62	Repairing defect and preventing collapse of canine femoral head using titanium implant enhanced by autogenous bone graft and rhBMP-2. <i>Connective Tissue Research</i> , 2007 , 48, 171-9	3.3	14
61	Evaluation of the osteogenesis and angiogenesis effects of erythropoietin and the efficacy of deproteinized bovine bone/recombinant human erythropoietin scaffold on bone defect repair. <i>Journal of Materials Science: Materials in Medicine</i> , 2016 , 27, 101	4.5	14
60	Clinical outcomes and quality of life after total hip arthroplasty in adult patients with a history of infection of the hip in childhood: a mid-term follow-up study. <i>Journal of Orthopaedic Surgery and Research</i> , 2019 , 14, 38	2.8	13
59	Efficacy of Adductor Canal Block Combined With Additional Analgesic Methods for Postoperative Analgesia in Total Knee Arthroplasty: A Prospective, Double-Blind, Randomized Controlled Study. <i>Journal of Arthroplasty</i> , 2020 , 35, 3554-3562	4.4	13
58	Multiple Low Doses of Intravenous Corticosteroids to Improve Early Rehabilitation in Total Knee Arthroplasty: A Randomized Clinical Trial. <i>Journal of Knee Surgery</i> , 2019 , 32, 171-179	2.4	13
57	Individual valgus correction angle improves accuracy of postoperative limb alignment restoration after total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2017 , 25, 277-283	5.5	12
56	Efficacy of Single-Shot Adductor Canal Block Combined With Posterior Capsular Infiltration on Postoperative Pain and Functional Outcome After Total Knee Arthroplasty: A Prospective, Double-Blind, Randomized Controlled Study. <i>Journal of Arthroplasty</i> , 2019 , 34, 1650-1655	4.4	12
55	Erythropoietin Enhances Bone Repair Effects via the Hypoxia-Inducible Factor Signal Pathway in Glucocorticoid-Induced Osteonecrosis of the Femoral Head. <i>American Journal of the Medical Sciences</i> , 2018 , 355, 597-606	2.2	12
54	Do patients really gain outcome benefits when using the high-flex knee prostheses in total knee arthroplasty? A meta-analysis of randomized controlled trials. <i>Journal of Arthroplasty</i> , 2015 , 30, 580-6	4.4	11
53	Preoperative comorbidities as potential risk factors for venous thromboembolism after joint arthroplasty: a systematic review and meta-analysis of cohort and case-control studies. <i>Journal of Arthroplasty</i> , 2014 , 29, 2430-8	4.4	10
52	Porous, lithium-doped calcium polyphosphate composite scaffolds containing vascular endothelial growth factor (VEGF)-loaded gelatin microspheres for treating glucocorticoid-induced osteonecrosis of the femoral head. <i>Biomedical Materials (Bristol)</i> , 2019 , 14, 035013	3.5	9
51	Antigen-free bovine cancellous bone loaded with recombinant human bone morphogenetic protein-2 for the repair of tibial bone defects in goat model. <i>Journal of Biomaterials Applications</i> , 2016 , 30, 1322-33	2.9	9

50	A bone regeneration strategy dual delivery of demineralized bone matrix powder and hypoxia-pretreated bone marrow stromal cells using an injectable self-healing hydrogel. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 479-493	7.3	9
49	Is postoperative cell salvage necessary in total hip or knee replacement? A meta-analysis of randomized controlled trials. <i>International Journal of Surgery</i> , 2015 , 21, 135-44	7.5	8
48	Variations in morphological characteristics of prostheses for total knee arthroplasty leading to kinematic differences. <i>Knee</i> , 2015 , 22, 18-23	2.6	7
47	Effect of individual distal femoral valgus resection in total knee arthroplasty for patients with valgus knee: A retrospective cohort study. <i>International Journal of Surgery</i> , 2018 , 52, 309-313	7.5	7
46	Hemostatic and Anti-Inflammatory Effects of Carbazochrome Sodium Sulfonate in Patients Undergoing Total Knee Arthroplasty: A Randomized Controlled Trial. <i>Journal of Arthroplasty</i> , 2020 , 35, 61-68	4.4	7
45	Glucocorticoids decreased Cx43 expression in osteonecrosis of femoral head: The effect on proliferation and osteogenic differentiation of rat BMSCs. <i>Journal of Cellular and Molecular Medicine</i> , 2021 , 25, 484-498	5.6	7
44	In vivo evaluation of porous lithium-doped hydroxyapatite scaffolds for the treatment of bone defect. <i>Bio-Medical Materials and Engineering</i> , 2018 , 29, 699-721	1	7
43	Efficacy of Two Unique Combinations of Nerve Blocks on Postoperative Pain and Functional Outcome After Total Knee Arthroplasty: A Prospective, Double-Blind, Randomized Controlled Study. <i>Journal of Arthroplasty</i> , 2021 , 36, 3421-3431	4.4	7
42	Glucocorticoid Enhanced the Expression of Ski in Osteonecrosis of Femoral Head: The Effect on Adipogenesis of Rabbit BMSCs. <i>Calcified Tissue International</i> , 2019 , 105, 506-517	3.9	6
41	MRI evaluation of the effect of Kashin-Beck disease-affected feed and T-2 toxin on the rat knees. <i>Joint Bone Spine</i> , 2014 , 81, 267-8	2.9	6
40	The incidence of symptomatic in-hospital VTEs in Asian patients undergoing joint arthroplasty was low: a prospective, multicenter, 17,660-patient-enrolled cohort study. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2019 , 27, 1075-1082	5.5	6
39	Comparison of Intravenous and Topical Dexamethasone for Total Knee Arthroplasty: A Randomized Double-Blinded Controlled Study of Effects on Dexamethasone Administration Route and Enhanced Recovery. <i>Journal of Arthroplasty</i> , 2021 , 36, 1599-1606	4.4	6
38	The Use of Extended Trochanteric Osteotomy in 2-Stage Reconstruction of the Hip for Infection. <i>Journal of Arthroplasty</i> , 2019 , 34, 1470-1475	4.4	5
37	Implication of acetabular width on the anteroposterior pelvic radiograph of patients with developmental dysplasia of the hip. <i>Journal of Arthroplasty</i> , 2015 , 30, 489-94	4.4	5
36	Femoral Head and Neck Fenestration Through a Direct Anterior Approach Combined With Compacted Autograft for the Treatment of Early Stage Nontraumatic Osteonecrosis of the Femoral Head: A Retrospective Study. <i>Journal of Arthroplasty</i> , 2020 , 35, 652-660	4.4	5
35	Efficacy and safety of interleukin-17 inhibitors in the treatment of chronic rheumatic diseases: A combined and updated meta-analysis. <i>Journal of Clinical Pharmacy and Therapeutics</i> , 2021 , 46, 895-906	2.2	5
34	Medial femoral epicondyle upsliding osteotomy with posterior stabilized arthroplasty provided good clinical outcomes such as constrained arthroplasty in primary total knee arthroplasty with severe valgus deformity. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2019 , 27, 2266-2275	5.5	5
33	Percutaneously drilling through femoral head and neck fenestration combining with compacted autograft for early femoral head necrosis: A retrospective study. <i>Journal of Orthopaedic Science</i> , 2017 , 22, 1060-1065	1.6	4

32	Retention of a well-fixed acetabular component in the setting of acetabular osteolysis. <i>International Orthopaedics</i> , 2012 , 36, 949-54	3.8	4
31	Knockdown of Ski decreases osteosarcoma cell proliferation and migration by suppressing the PI3K/Akt signaling pathway. <i>International Journal of Oncology</i> , 2020 , 56, 206-218	4.4	4
30	Effects of morphine on peri-articular infiltration analgesia in total knee arthroplasty: a prospective, double-blind, randomized controlled trial. <i>International Orthopaedics</i> , 2020 , 44, 2587-2595	3.8	4
29	Adding corticosteroids to periarticular infiltration analgesia improves the short-term analgesic effects after total knee arthroplasty: a prospective, double-blind, randomized controlled trial. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021 , 29, 867-875	5.5	4
28	Hypoxia Enhanced Bone Regeneration Through the HIF-1 α /Catenin Pathway in Femoral Head Osteonecrosis. <i>American Journal of the Medical Sciences</i> , 2021 , 362, 78-91	2.2	4
27	X-ray image characteristics and related measurements in the ankles of 118 adult patients with Kashin-Beck disease. <i>Chinese Medical Journal</i> , 2014 , 127, 2479-83	2.9	4
26	Uncemented extensive porous titanium-coated long femoral stem prostheses are effective in treatment of Vancouver type B2 periprosthetic femoral fractures: A retrospective mid- to long-term follow-up study. <i>Journal of Orthopaedic Surgery</i> , 2019 , 27, 2309499019857653	1.4	3
25	Osteoimmunomodulatory injectable Lithium-Heparin hydrogel with Microspheres/TGF- β delivery promotes M2 macrophage polarization and osteogenesis for guided bone regeneration. <i>Chemical Engineering Journal</i> , 2022 , 435, 134991	14.7	3
24	Additional nerve blocks are not superior to multiple-site infiltration analgesia in total knee arthroplasty under adductor canal block. <i>Journal of Orthopaedic Surgery and Research</i> , 2021 , 16, 591	2.8	3
23	Total hip replacement in adult patients with severe Kashin-Beck disease of the hip. <i>BMC Musculoskeletal Disorders</i> , 2016 , 17, 289	2.8	3
22	Comparison of Postoperative Outcomes Between Traditional Longitudinal Incision and Bikini Incision in Total Hip Arthroplasty via Direct Anterior Approach: A Randomized Controlled Trial. <i>Journal of Arthroplasty</i> , 2021 , 36, 222-230	4.4	3
21	Ultrasound-guided adductor canal block combined with lateral femoral cutaneous nerve block for post-operative analgesia following total knee arthroplasty: a prospective, double-blind, randomized controlled study. <i>International Orthopaedics</i> , 2021 , 45, 1421-1429	3.8	3
20	Porous copper- and lithium-doped nano-hydroxyapatite composite scaffold promotes angiogenesis and bone regeneration in the repair of glucocorticoids-induced osteonecrosis of the femoral head. <i>Biomedical Materials (Bristol)</i> , 2021 , 16,	3.5	3
19	Porous tantalum shell and augment for acetabular defect reconstruction in revision total hip arthroplasty: a mid-term follow-up study.. <i>International Orthopaedics</i> , 2022 , 1	3.8	3
18	Partial implant retention in two-stage exchange for chronic infected total hip arthroplasty. <i>International Orthopaedics</i> , 2020 , 44, 461-469	3.8	2
17	Tranexamic acid attenuates early post-operative systemic inflammatory response and nutritional loss and avoids reduction of fibrinogen in total hip arthroplasty within an enhanced recovery after surgery pathway. <i>International Orthopaedics</i> , 2021 , 45, 2811-2818	3.8	2
16	Survivorship and clinical outcomes of 'cup-cage' reconstruction in revision of hip arthroplasty for chronic pelvic discontinuity: A systematic review. <i>Journal of the Royal College of Surgeons of Edinburgh</i> , 2021 , 19, e475-e484	2.5	2
15	Delivery of MiR335-5p-Pendant Tetrahedron DNA Nanostructures Using an Injectable Heparin Lithium Hydrogel for Challenging Bone Defects in Steroid-Associated Osteonecrosis. <i>Advanced Healthcare Materials</i> , 2021 , e2101412	10.1	1

14	Analgesic Effects of Ultrasound-Guided Iliohypogastric/Ilioinguinal Nerve Block Combined with Lateral Femoral Cutaneous Nerve Block in Total Hip Arthroplasty via Direct Anterior Approach: A Retrospective Cohort Study. <i>Orthopaedic Surgery</i> , 2021 , 13, 920-931	2.5	1
13	Meta-analysis of retrospective studies suggests that the pre-operative opioid use is associated with an increased risk of adverse outcomes in total hip and or knee arthroplasty. <i>International Orthopaedics</i> , 2021 , 45, 1923-1932	3.8	1
12	Different Doses of Intravenous Tranexamic Acid in Revision Total Knee Arthroplasty: A Retrospective Study.. <i>Journal of Knee Surgery</i> , 2021 ,	2.4	1
11	Importance of maintaining the basic stress pathway above the acetabular dome during acetabular reconstruction. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2016 , 19, 977-84	2.1	0
10	Intraoperative monitoring of the femoral nerve using free electromyography during total hip arthroplasty via the direct anterior approach.. <i>Bone and Joint Journal</i> , 2022 , 104-B, 193-199	5.6	0
9	Effect of carbazochrome sodium sulfonate combined with tranexamic acid on blood loss and inflammatory response in patients undergoing total hip arthroplasty. <i>Bone and Joint Research</i> , 2021 , 10, 354-362	4.2	0
8	Effects of carbazochrome sodium sulfonate combined with tranexamic acid on hemostasis and inflammation during perioperative period of total hip arthroplasty: A randomized controlled trial. <i>Orthopaedics and Traumatology: Surgery and Research</i> , 2021 , 108, 103092	2.9	0
7	Effets du sulfonate de sodium carbazochrome combiné à l'acide tranexamique sur l'hémostase et l'inflammation pendant la période périopératoire de l'arthroplastie totale de la hanche: un essai contrôlé randomisé. <i>Revue De Chirurgie Orthopedique Et Traumatologique</i> , 2022 , 108, 59	0	
6	Intravenous tranexamic acid for reducing perioperative blood loss during revision hip arthroplasty: A retrospective study. <i>Acta Orthopaedica Et Traumatologica Turcica</i> , 2020 , 54, 519-523	1.3	
5	Magnetic resonance imaging at 7.0 T for evaluation of early lesions of epiphyseal plate and epiphyseal end in a rat model of Kashin-Beck disease. <i>BMC Musculoskeletal Disorders</i> , 2020 , 21, 540	2.8	
4	Response to Letter to the Editor on "Comparison of Intravenous and Topical Dexamethasone for Total Knee Arthroplasty: A Randomized Double-Blinded Controlled Study of Effects on Dexamethasone Administration Route and Enhanced Recovery". <i>Journal of Arthroplasty</i> , 2021 , 36, e54-e55	4.4	
3	Reply. <i>Journal of Orthopaedic Surgery</i> , 2019 , 27, 2309499019877522	1.4	
2	Response to Letter to the Editor on "Does Topical Administration Provide Better Pain Relief on First Post-Operative Day Than Intravenous Dexamethasone After TKA?". <i>Journal of Arthroplasty</i> , 2021 , 36, e51-e52	4.4	
1	The effects of body mass index on insulin resistance in patients undergoing total hip arthroplasty: a pilot study.. <i>International Orthopaedics</i> , 2022 , 1	3.8	