

# Pengde Kang

## List of Publications by Year in Descending Order

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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.

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

| #  | Paper  | IF   | Citations |
|----|--|------|-----------|
| 85 | Intraoperative monitoring of the femoral nerve using free electromyography during total hip arthroplasty via the direct anterior approach.. <i>Bone and Joint Journal</i> , <b>2022</b> , 104-B, 193-199   | 5.6  | 0         |
| 84 | Osteoimmunomodulatory injectable Lithium-Heparin hydrogel with Microspheres/TGF- $\beta$ delivery promotes M2 macrophage polarization and osteogenesis for guided bone regeneration. <i>Chemical Engineering Journal</i> , <b>2022</b> , 435, 134991   | 14.7 | 3         |
| 83 | Effets du sulfonate de sodium carbazochrome combiné à l'acide tranexamique sur l'hémostasie 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> , <b>2022</b> , 108, 59 | 0    |           |
| 82 | Porous tantalum shell and augment for acetabular defect reconstruction in revision total hip arthroplasty: a mid-term follow-up study.. <i>International Orthopaedics</i> , <b>2022</b> , 1  | 3.8  | 3         |
| 81 | The effects of body mass index on insulin resistance in patients undergoing total hip arthroplasty: a pilot study.. <i>International Orthopaedics</i> , <b>2022</b> , 1  | 3.8  |           |
| 80 | 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> , <b>2021</b> , 16, 591   | 2.8  | 3         |
| 79 | 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> , <b>2021</b> , e2101412  | 10.1 | 1         |
| 78 | 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> , <b>2021</b> , 46, 895-906  | 2.2  | 5         |
| 77 | 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> , <b>2021</b> , 13, 920-931                       | 2.5  | 1         |
| 76 | 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> , <b>2021</b> , 36, e54-e55 | 4.4  |           |
| 75 | 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> , <b>2021</b> , 10, 354-362   | 4.2  | 0         |
| 74 | 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> , <b>2021</b> , 29, 867-875                    | 5.5  | 4         |
| 73 | 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> , <b>2021</b> , 36, 222-230   | 4.4  | 3         |
| 72 | 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> , <b>2021</b> , 45, 1421-1429                   | 3.8  | 3         |
| 71 | 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> , <b>2021</b> , 25, 484-498   | 5.6  | 7         |
| 70 | 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> , <b>2021</b> , 36, e51-e52   | 4.4  |           |
| 69 | 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> , <b>2021</b> , 9, 479-493  | 7.3  | 9         |

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| 68 | 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> , <b>2021</b> , 36, 1599-1606                  | 4.4 | 6  |
| 67 | 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> , <b>2021</b> , 45, 1923-1932                                   | 3.8 | 1  |
| 66 | Hypoxia Enhanced Bone Regeneration Through the HIF-1 $\alpha$ /Catenin Pathway in Femoral Head Osteonecrosis. <i>American Journal of the Medical Sciences</i> , <b>2021</b> , 362, 78-91  | 2.2 | 4  |
| 65 | 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> , <b>2021</b> , 45, 2811-2818 | 3.8 | 2  |
| 64 | 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> , <b>2021</b> , 108, 103092 | 2.9 | 0  |
| 63 | 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> , <b>2021</b> , 16,                           | 3.5 | 3  |
| 62 | 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> , <b>2021</b> , 36, 3421-3431                              | 4.4 | 7  |
| 61 | 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> , <b>2021</b> , 19, e475-e484                                   | 2.5 | 2  |
| 60 | Different Doses of Intravenous Tranexamic Acid in Revision Total Knee Arthroplasty: A Retrospective Study.. <i>Journal of Knee Surgery</i> , <b>2021</b> ,  | 2.4 | 1  |
| 59 | Intravenous tranexamic acid for reducing perioperative blood loss during revision hip arthroplasty: A retrospective study. <i>Acta Orthopaedica Et Traumatologica Turcica</i> , <b>2020</b> , 54, 519-523   | 1.3 |    |
| 58 | Knockdown of Ski decreases osteosarcoma cell proliferation and migration by suppressing the PI3K/Akt signaling pathway. <i>International Journal of Oncology</i> , <b>2020</b> , 56, 206-218  | 4.4 | 4  |
| 57 | Partial implant retention in two-stage exchange for chronic infected total hip arthroplasty. <i>International Orthopaedics</i> , <b>2020</b> , 44, 461-469  | 3.8 | 2  |
| 56 | 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> , <b>2020</b> , 35, 652-660          | 4.4 | 5  |
| 55 | 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> , <b>2020</b> , 35, 3554-3562                          | 4.4 | 13 |
| 54 | Effects of morphine on peri-articular infiltration analgesia in total knee arthroplasty: a prospective, double-blind, randomized controlled trial. <i>International Orthopaedics</i> , <b>2020</b> , 44, 2587-2595  | 3.8 | 4  |
| 53 | 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> , <b>2020</b> , 21, 540  | 2.8 |    |
| 52 | Hemostatic and Anti-Inflammatory Effects of Carbazochrome Sodium Sulfonate in Patients Undergoing Total Knee Arthroplasty: A Randomized Controlled Trial. <i>Journal of Arthroplasty</i> , <b>2020</b> , 35, 61-68  | 4.4 | 7  |
| 51 | 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> , <b>2019</b> , 14, 38                                     | 2.8 | 13 |

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| 50 | The Use of Extended Trochanteric Osteotomy in 2-Stage Reconstruction of the Hip for Infection. <i>Journal of Arthroplasty</i> , <b>2019</b> , 34, 1470-1475  | 4.4 | 5  |
| 49 | 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> , <b>2019</b> , 34, 1650-1655              | 4.4 | 12 |
| 48 | 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> , <b>2019</b> , 14, 035013                   | 3.5 | 9  |
| 47 | Glucocorticoid Enhanced the Expression of Ski in Osteonecrosis of Femoral Head: The Effect on Adipogenesis of Rabbit BMSCs. <i>Calcified Tissue International</i> , <b>2019</b> , 105, 506-517   | 3.9 | 6  |
| 46 | 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> , <b>2019</b> , 27, 2309499019857653                   | 1.4 | 3  |
| 45 | Reply. <i>Journal of Orthopaedic Surgery</i> , <b>2019</b> , 27, 2309499019877522  | 1.4 |    |
| 44 | 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> , <b>2019</b> , 27, 2266-2275 | 5.5 | 5  |
| 43 | 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> , <b>2019</b> , 27, 1075-1082   | 5.5 | 6  |
| 42 | Multiple Low Doses of Intravenous Corticosteroids to Improve Early Rehabilitation in Total Knee Arthroplasty: A Randomized Clinical Trial. <i>Journal of Knee Surgery</i> , <b>2019</b> , 32, 171-179  | 2.4 | 13 |
| 41 | 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> , <b>2018</b> , 42, 2535-2542  | 3.8 | 24 |
| 40 | 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> , <b>2018</b> , 355, 597-606  | 2.2 | 12 |
| 39 | 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> , <b>2018</b> , 8, 1450  | 4.9 | 26 |
| 38 | 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> , <b>2018</b> , 6, 519-537  | 7.4 | 39 |
| 37 | 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> , <b>2018</b> , 52, 309-313   | 7.5 | 7  |
| 36 | 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> , <b>2018</b> , 18, 487-499   | 3   | 19 |
| 35 | 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> , <b>2018</b> , 42, 2787-2795  | 3.8 | 15 |
| 34 | In vivo evaluation of porous lithium-doped hydroxyapatite scaffolds for the treatment of bone defect. <i>Bio-Medical Materials and Engineering</i> , <b>2018</b> , 29, 699-721   | 1   | 7  |
| 33 | 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> , <b>2018</b> , 355, 477-487   | 2.2 | 18 |

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| 32 | Porous lithium-doped hydroxyapatite scaffold seeded with hypoxia-preconditioned bone-marrow mesenchymal stem cells for bone-tissue regeneration. <i>Biomedical Materials (Bristol)</i> , <b>2018</b> , 13, 055002  | 3.5 | 21 |
| 31 | Individual valgus correction angle improves accuracy of postoperative limb alignment restoration after total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , <b>2017</b> , 25, 277-283  | 5.5 | 12 |
| 30 | 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> , <b>2017</b> , 28, 361-377  | 1   | 19 |
| 29 | Influence of tourniquet use in primary total knee arthroplasty with drainage: a prospective randomised controlled trial. <i>Journal of Orthopaedic Surgery and Research</i> , <b>2017</b> , 12, 172  | 2.8 | 37 |
| 28 | 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> , <b>2017</b> , 22, 1060-1065  | 1.6 | 4  |
| 27 | 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> , <b>2017</b> , 41, 75-83 | 3.8 | 54 |
| 26 | 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> , <b>2016</b> , 40, 925-33  | 3.8 | 71 |
| 25 | Combined use of intravenous and topical tranexamic acid following cementless total hip arthroplasty: a randomised clinical trial. <i>HIP International</i> , <b>2016</b> , 26, 36-42   | 1.7 | 43 |
| 24 | 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> , <b>2016</b> , 45, 656-62       | 5.3 | 17 |
| 23 | 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> , <b>2016</b> , 141, 119-23   | 8.2 | 32 |
| 22 | Importance of maintaining the basic stress pathway above the acetabular dome during acetabular reconstruction. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , <b>2016</b> , 19, 977-84   | 2.1 | 0  |
| 21 | 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> , <b>2016</b> , 30, 1322-33  | 2.9 | 9  |
| 20 | 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> , <b>2016</b> , 27, 101                          | 4.5 | 14 |
| 19 | Total hip replacement in adult patients with severe Kashin-Beck disease of the hip. <i>BMC Musculoskeletal Disorders</i> , <b>2016</b> , 17, 289   | 2.8 | 3  |
| 18 | Implication of acetabular width on the anteroposterior pelvic radiograph of patients with developmental dysplasia of the hip. <i>Journal of Arthroplasty</i> , <b>2015</b> , 30, 489-94  | 4.4 | 5  |
| 17 | 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> , <b>2015</b> , 26, 80                             | 4.5 | 38 |
| 16 | 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> , <b>2015</b> , 30, 580-6  | 4.4 | 11 |
| 15 | Icariin: A promising osteoinductive compound for repairing bone defect and osteonecrosis. <i>Journal of Biomaterials Applications</i> , <b>2015</b> , 30, 290-9  | 2.9 | 23 |

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| 14 | 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> , <b>2015</b> , 30, 1378-83   | 4.4 | 15  |
| 13 | 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> , <b>2015</b> , 30, 1999-2003  | 4.4 | 22  |
| 12 | Is postoperative cell salvage necessary in total hip or knee replacement? A meta-analysis of randomized controlled trials. <i>International Journal of Surgery</i> , <b>2015</b> , 21, 135-44  | 7.5 | 8   |
| 11 | Variations in morphological characteristics of prostheses for total knee arthroplasty leading to kinematic differences. <i>Knee</i> , <b>2015</b> , 22, 18-23  | 2.6 | 7   |
| 10 | 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> , <b>2015</b> , 136, 234-8 | 8.2 | 39  |
| 9  | MRI evaluation of the effect of Kashin-Beck disease-affected feed and T-2 toxin on the rat knees. <i>Joint Bone Spine</i> , <b>2014</b> , 81, 267-8  | 2.9 | 6   |
| 8  | 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> , <b>2014</b> , 29, 2430-8                          | 4.4 | 10  |
| 7  | Topical application of tranexamic acid in primary total hip arthroplasty: a randomized double-blind controlled trial. <i>Journal of Arthroplasty</i> , <b>2014</b> , 29, 2452-6  | 4.4 | 111 |
| 6  | X-ray image characteristics and related measurements in the ankles of 118 adult patients with Kashin-Beck disease. <i>Chinese Medical Journal</i> , <b>2014</b> , 127, 2479-83   | 2.9 | 4   |
| 5  | 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> , <b>2012</b> , 79, 67-72  | 2.9 | 57  |
| 4  | Retention of a well-fixed acetabular component in the setting of acetabular osteolysis. <i>International Orthopaedics</i> , <b>2012</b> , 36, 949-54   | 3.8 | 4   |
| 3  | 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> , <b>2010</b> , 91, 235-43  | 2.8 | 28  |
| 2  | 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> , <b>2008</b> , 123, 367-73                              | 8.2 | 24  |
| 1  | 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> , <b>2007</b> , 48, 171-9  | 3.3 | 14  |