

# Hua Tian

## List of Publications by Year in descending order

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42  
papers

360  
citations

933447

10  
h-index

940533

16  
g-index

59  
all docs

59  
docs citations

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times ranked

454  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modified Medial Collateral Ligament Indentation Technique in Total Knee Arthroplasty with Severe Type <sc>II</sc> Valgus Deformity. Orthopaedic Surgery, 2022, , .	1.8	0
2	Prediction of Knee Prosthesis Using Patient Gender and BMI With Non-marked X-Ray by Deep Learning. Frontiers in Surgery, 2022, 9, 798761.	1.4	4
3	The effect of tourniquet application on the morphology and function of quadriceps in patients undergoing total knee arthroplasty: study protocol for a single-blind randomized controlled trial. Trials, 2022, 23, 201.	1.6	1
4	Novel cross LSTM for predicting the changes of complementary pelvic angles between standing and sitting. Journal of Biomedical Informatics, 2022, 128, 104036.	4.3	1
5	The Role of Structural Deterioration and Biomechanical Changes of the Necrotic Lesion in Collapse Mechanism of Osteonecrosis of the Femoral Head. Orthopaedic Surgery, 2022, 14, 831-839.	1.8	9
6	Reconstruction for Massive Proximal Tibial Bone Defects Using Patientâ€Customized Threeâ€Dimensionalâ€Printed Metaphyseal Cones in Revision Total Knee Arthroplasty. Orthopaedic Surgery, 2022, 14, 1071-1077.	1.8	8
7	Anoctamin 1 controls bone resorption by coupling Clâˆ channel activation with RANKL-RANK signaling transduction. Nature Communications, 2022, 13, .	12.8	15
8	Relationship between patellofemoral finite helical axis and femoral trans-epicondylar axis using a static magnetic resonance-based methodology. Journal of Orthopaedic Surgery and Research, 2021, 16, 212.	2.3	2
9	Minimum 7â€year Followâ€up of A Porous Coated Trabecular Titanium Cup Manufactured with Electron Beam Melting Technique in Primary Total Hip Arthroplasty. Orthopaedic Surgery, 2021, 13, 817-824.	1.8	7
10	Can Upregulation of Pluripotency Genes Enhance Stemness of Mesenchymal Stem Cells?. Stem Cell Reviews and Reports, 2021, 17, 1505-1507.	3.8	3
11	Accuracy of soft tissue balancing in total knee arthroplasty using surgeon-defined assessment versus a gap-balancer or electronic sensor. Journal of Orthopaedic Surgery and Research, 2021, 16, 305.	2.3	2
12	Deep Learning-Based End-to-End Diagnosis System for Avascular Necrosis of Femoral Head. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 2093-2102.	6.3	13
13	Development of a Cellâ€Loading Microrobot with Simultaneously Improved Degradability and Mechanical Strength for Performing In Vivo Delivery Tasks. Advanced Intelligent Systems, 2021, 3, 2100052.	6.1	14
14	Morphological consistency of bilateral hip joints in adults based on the X-ray and CT data. Surgical and Radiologic Anatomy, 2021, 43, 1107-1115.	1.2	7
15	A Randomized Controlled Trial of Psychological Intervention to Improve Satisfaction for Patients with Depression Undergoing TKA. Journal of Bone and Joint Surgery - Series A, 2021, 103, 567-574.	3.0	27
16	KMT2D deficiency disturbs the proliferation and cell cycle activity of dental epithelial cell line (LS8) partially via Wnt signaling. Bioscience Reports, 2021, 41, .	2.4	8
17	Development of Cell-Carrying Magnetic Microrobots with Bioactive Nanostructured Titanate Surface for Enhanced Cell Adhesion. Micromachines, 2021, 12, 1572.	2.9	4
18	Relationship between quantitative magnetic resonance imaging and clinical symptoms in patients with knee osteoarthritis. Chinese Medical Journal, 2020, 133, 1741-1743.	2.3	0

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19	MicroRNA-31 regulates dental epithelial cell proliferation by targeting Satb2. <i>Biochemical and Biophysical Research Communications</i> , 2020, 532, 321-328.	2.1	3
20	A new 3D printing porous trabecular titanium metal acetabular cup for primary total hip arthroplasty: a minimum 2-year follow-up of 92 consecutive patients. <i>Journal of Orthopaedic Surgery and Research</i> , 2020, 15, 383.	2.3	25
21	Correlation between femorotibial pressure and joint gap in osteoarthritis patients with varus deformity: an intraoperative measurement using sensor device in primary posterior-stabilized total knee arthroplasty. <i>Annals of Translational Medicine</i> , 2020, 8, 1387-1387.	1.7	3
22	Traditional investigation and management for recurrent hemarthrosis after total knee arthroplasty: A case report. <i>World Journal of Clinical Cases</i> , 2020, 8, 1966-1972.	0.8	1
23	Mutant <i>dlx3b</i> disturbs normal tooth mineralization and bone formation in zebrafish. <i>PeerJ</i> , 2020, 8, e8515.	2.0	7
24	The value of tranexamic acid for patients with preoperative anemia in primary total knee arthroplasty. <i>European Journal of Medical Research</i> , 2019, 24, 28.	2.2	2
25	Abnormally high dislocation rate following constrained condylar knee arthroplasty for valgus knee: a case-control study. <i>Journal of Orthopaedic Surgery and Research</i> , 2019, 14, 268.	2.3	4
26	Lateral femoral sliding osteotomy in total knee arthroplasty with valgus deformity greater than twenty degrees. <i>International Orthopaedics</i> , 2019, 43, 2511-2517.	1.9	8
27	Chinese primary knee osteoarthritis progression cohort (CPKOPC) to evaluate the progression of knee osteoarthritis in the Beijing population: a prospective cohort study protocol. <i>BMJ Open</i> , 2019, 9, e029430.	1.9	3
28	AAV-Anti-miR-214 Prevents Collapse of the Femoral Head in Osteonecrosis by Regulating Osteoblast and Osteoclast Activities. <i>Molecular Therapy - Nucleic Acids</i> , 2019, 18, 841-850.	5.1	24
29	Rates of periprosthetic infection and surgical revision in Beijing (China) between 2014 and 2016: a retrospective multicenter cross-sectional study. <i>Journal of Orthopaedic Surgery and Research</i> , 2019, 14, 463.	2.3	4
30	Patient-Specific Instruments Based on Knee Joint Computed Tomography and Full-Length Lower Extremity Radiography in Total Knee Replacement. <i>Chinese Medical Journal</i> , 2018, 131, 583-587.	2.3	6
31	Evaluation of the Factors Affecting Concerns and Expectations of Patients Undergoing Total Knee Arthroplasty in China. <i>Medical Science Monitor</i> , 2018, 24, 3332-3339.	1.1	4
32	Global scientific production in the field of knee arthroplasty: A cross-sectional survey of research activities. <i>Journal of International Medical Research</i> , 2017, 45, 897-903.	1.0	9
33	Evaluation of the Morphology and Function of Medial Collateral Ligament after Total Knee Arthroplasty with High-frequency Ultrasound. <i>Zhongguo Yi Xue Ke Xue Yuan Xue Bao Acta Academiae Medicinae Sinicae</i> , 2016, 38, 574-578.	0.2	1
34	Effect of Femoral Resection on Coronal Overall Alignment after Conventional Total Knee Arthroplasty. <i>Chinese Medical Journal</i> , 2016, 129, 2535-2539.	2.3	6
35	Transcriptional Factor DLX3 Promotes the Gene Expression of Enamel Matrix Proteins during Amelogenesis. <i>PLoS ONE</i> , 2015, 10, e0121288.	2.5	29
36	Effects of WNT10A on Proliferation and Differentiation of Human Dental Pulp Cells. <i>Journal of Endodontics</i> , 2014, 40, 1593-1599.	3.1	37

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37	First-principles calculations of elastic moduli of Ti-Mo-Nb alloys using a cluster-plus-glue-atom model for stable solid solutions. <i>Journal of Materials Science</i> , 2013, 48, 3138-3146.	3.7	11
38	SHALLOW GROUNDWATER HYDRO-CHEMICAL EVOLUTION AND SIMULATION WITH SPECIAL FOCUS ON GUANZHONG BASIN, CHINA. <i>Environmental Engineering and Management Journal</i> , 2013, 12, 1447-1455.	0.6	6
39	A first-principle study of the structural and electronic properties of amorphous Cu-Zr alloys. <i>Science China: Physics, Mechanics and Astronomy</i> , 2011, 54, 249-255.	5.1	10
40	Î2-Catenin/LEF1 activated enamelin expression in ameloblast-like cells. <i>Biochemical and Biophysical Research Communications</i> , 2010, 398, 519-524.	2.1	14
41	OxyContin® tablets for postoperative analgesia. <i>European Journal of Pain Supplements</i> , 2007, 1, 101-102.	0.0	2
42	Up-regulation of Cartilage Oligomeric Matrix Protein Gene Expression by Insulin-like Growth Factor-I Revealed by Real Time Reverse Transcription-Polymerase Chain Reaction. <i>Acta Biochimica Et Biophysica Sinica</i> , 2006, 38, 677-682.	2.0	7