

# Takafumi Hiranaka

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

547  
citations

623734

14  
h-index

752698

20  
g-index

59  
all docs

59  
docs citations

59  
times ranked

441  
citing authors

#	ARTICLE	IF	CITATIONS
1	The accuracy of bone tunnel position using fluoroscopic-based navigation system in anterior cruciate ligament reconstruction. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2012, 20, 1503-1510.	4.2	45
2	The effect of acetabular and femoral component version on dislocation in primary total hip arthroplasty. <i>International Orthopaedics</i> , 2016, 40, 697-702.	1.9	44
3	Influence of tibial component rotation on short-term clinical outcomes in Oxford mobile-bearing unicompartmental knee arthroplasty. <i>Knee</i> , 2018, 25, 1222-1230.	1.6	31
4	Augmented reality: The use of the PicoLinker smart glasses improves wire insertion under fluoroscopy. <i>World Journal of Orthopedics</i> , 2017, 8, 891-894.	1.8	26
5	Accuracy of cup orientation and learning curve of the accelerometer-based portable navigation system for total hip arthroplasty in the supine position. <i>Journal of Orthopaedic Surgery</i> , 2019, 27, 230949901984887.	1.0	25
6	Comparison of the Sliding and Femoral Head Rotation among Three Different Femoral Head Fixation Devices for Trochanteric Fractures. <i>Clinics in Orthopedic Surgery</i> , 2015, 7, 291.	2.2	23
7	The Use of Smart Glasses for Surgical Video Streaming. <i>Surgical Innovation</i> , 2017, 24, 151-154.	0.9	22
8	Second-look arthroscopic findings of cartilage and meniscus repair after injection of adipose-derived regenerative cells in knee osteoarthritis: Report of two cases. <i>Regenerative Therapy</i> , 2019, 11, 212-216.	3.0	22
9	Evaluation of the accuracy of acetabular cup orientation using the accelerometer-based portable navigation system. <i>Journal of Orthopaedic Science</i> , 2020, 25, 612-617.	1.1	22
10	Tibial shape and size predicts the risk of tibial plateau fracture after cementless unicompartmental knee arthroplasty in Japanese patients. <i>Bone and Joint Journal</i> , 2020, 102-B, 861-867.	4.4	21
11	Adequate Positioning of the Tibial Component Is Key to Avoiding Bearing Impingement in Oxford Unicompartmental Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2019, 34, 2606-2613.	3.1	19
12	Ideal screw positions for multiple screw fixation in femoral neck fractures – Study of proximal femur morphology in a Japanese population. <i>Journal of Orthopaedic Science</i> , 2018, 23, 521-524.	1.1	18
13	Effect of tibial component position on short-term clinical outcome in Oxford mobile bearing unicompartmental knee arthroplasty. <i>Journal of Orthopaedic Science</i> , 2018, 23, 807-810.	1.1	15
14	Rotational position of the tibial component can decrease bony coverage of the tibial component in Oxford mobile-bearing unicompartmental knee arthroplasty. <i>Knee</i> , 2019, 26, 459-465.	1.6	15
15	Anterior Cruciate Ligament Deficiency is Not Always a Contraindication for Medial Unicompartmental Knee Arthroplasty: A Retrospective Study in Nondesigner™s Japanese Hospital. <i>Journal of Arthroplasty</i> , 2021, 36, 495-500.	3.1	13
16	A Modified Under-Vastus Approach for Knee Arthroplasty with Anatomical Repair of Soft Tissue. <i>Clinics in Orthopedic Surgery</i> , 2019, 11, 490.	2.2	12
17	Current concept of kinematic alignment total knee arthroplasty and its derivatives. <i>Bone &amp; Joint Open</i> , 2022, 3, 390-397.	2.6	11
18	Valgus Subsidence of the Tibial Component Caused by Tibial Component Malpositioning in Cementless Oxford Mobile-Bearing Unicompartmental Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2019, 34, 3054-3060.	3.1	10

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19	Intraoperative pelvic movement is associated with the body mass index in patients undergoing total hip arthroplasty in the supine position. <i>Journal of Orthopaedic Science</i> , 2020, 25, 446-451.	1.1	10
20	The Medial Eminence Line for Predicting Tibial Fracture Risk after Unicompartmental Knee Arthroplasty. <i>Clinics in Orthopedic Surgery</i> , 2020, 12, 166.	2.2	9
21	Second-Look Arthroscopic Findings and Clinical Outcomes after Adipose-Derived Regenerative Cell Injection in Knee Osteoarthritis. <i>Clinics in Orthopedic Surgery</i> , 2022, 14, 377.	2.2	9
22	Factors influencing the outcome of deep infection following total knee arthroplasty. <i>Knee</i> , 2015, 22, 328-332.	1.6	8
23	Impact of joint line orientation on clinical outcomes in bilateral Oxford mobile-bearing unicompartmental knee arthroplasty. <i>Knee</i> , 2021, 28, 186-193.	1.6	8
24	A Novel Technique for Varus Tibial Cutting for Oxford Unicompartmental Knee Arthroplasty. <i>Clinics in Orthopedic Surgery</i> , 2020, 12, 554.	2.2	8
25	Manipulation of Tibial Component to Ensure Avoidance of Bearing Separation from the Vertical Wall of Tibial Component in Oxford Unicompartmental Arthroplasty. <i>Clinics in Orthopedic Surgery</i> , 2021, 13, 123.	2.2	7
26	Approximately 80% of Japanese osteoarthritic patients fall out of the safety range in restricted kinematically-aligned total knee arthroplasty in an analysis of preoperative long-leg radiograms. <i>Knee</i> , 2022, 35, 54-60.	1.6	7
27	Additional Visualization via Smart Glasses Improves Accuracy of Wire Insertion in Fracture Surgery. <i>Surgical Innovation</i> , 2017, 24, 611-615.	0.9	6
28	Is postoperative flexion angle genuinely better in unicompartmental knee arthroplasty than in total knee arthroplasty? A comparison between the knees in the same patients. <i>Knee</i> , 2020, 27, 1907-1913.	1.6	6
29	Short distance from the keel to the posterior tibial cortex is associated with fracture after cementless Oxford UKA in Asian patients. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2022, 30, 1220-1230.	4.2	6
30	Accurate and Easy Measurement of Sliding Distance of Intramedullary Nail in Trochanteric Fracture. <i>Clinics in Orthopedic Surgery</i> , 2015, 7, 152.	2.2	5
31	A Validated Single-View Radiographic Alternative to Computed Tomography for the Measurement of Femoral Anteversion: A Method-Comparison Study. <i>Journal of Arthroplasty</i> , 2017, 32, 1018-1023.	3.1	5
32	Unicompartmental knee arthroplasty for spontaneous osteonecrosis of the medial tibial plateau. <i>Knee</i> , 2018, 25, 715-721.	1.6	5
33	Lateral osteoarthritis progression is associated with a postoperative residual tibiofemoral subluxation in Oxford UKA. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2022, 30, 3236-3243.	4.2	5
34	Bearing Separation From the Lateral Wall of the Tibial Component Is a Risk of Anterior Dislocation of the Mobile Bearing in Oxford Unicompartmental Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2022, 37, 942-947.	3.1	5
35	External rotation of the tibial component should be avoided in lateral unicompartmental knee arthroplasty. <i>Knee</i> , 2021, 30, 70-77.	1.6	4
36	Clinical Results of Dual SC Screw: A Mini-Sliding Hip Screw with an Anti-rotating Screw for Femoral Neck Fractures. <i>Clinics in Orthopedic Surgery</i> , 2021, 13, 449.	2.2	4

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37	MRI-determined preoperative lateral meniscus degeneration is not associated with adverse mid-term clinical results after mobile-bearing unicompartmental knee arthroplasty. <i>Knee</i> , 2020, 27, 1279-1284.	1.6	3
38	Extent of in vivo sagittal bearing movement and its relationship with tibial posterior slopes in Oxford mobile-bearing unicompartmental knee arthroplasty. <i>Clinical Biomechanics</i> , 2020, 80, 105148.	1.2	3
39	CLINICAL OUTCOMES AFTER UNICOMPARTMENTAL KNEE ARTHROPLASTY FOR OSTEONECROSIS OF THE KNEE. <i>Acta Ortopedica Brasileira</i> , 2021, 29, 12-16.	0.5	3
40	Hand Frame Extraction in Surgical Video Images Using Convolutional Neural Network. , 2020, , .		3
41	Fully hydroxyapatite-coated compaction broached and triple-tapered stem may reduce the risk of stress shielding after primary total hip arthroplasty. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2022, 142, 4087-4093.	2.4	3
42	Agreement and accuracy of radiographic assessment using a decision aid for medial Oxford partial knee replacement: multicentre study. <i>Knee Surgery and Related Research</i> , 2022, 34, 13.	4.2	3
43	The tibial lateral axis is a novel extraarticular landmark for detection of the tibial anteroposterior axis. <i>Surgical and Radiologic Anatomy</i> , 2020, 42, 1195-1202.	1.2	2
44	Bilateral unicompartmental knee arthroplasty for windswept knee osteoarthritis: A report of 13 cases. <i>Knee</i> , 2020, 27, 1715-1720.	1.6	2
45	Effectiveness of an accelerometer-based portable navigation for intraoperative adjustment of leg length discrepancy in total hip arthroplasty in the supine position. <i>Journal of Orthopaedic Science</i> , 2022, 27, 169-175.	1.1	2
46	Surgical Phase Recognition Method with a Sequential Consistency for CAOS-AI Navigation System. , 2020, , .		2
47	Contralateral knee flexion predicts postoperative knee flexion in unilateral total knee arthroplasty: A retrospective study. <i>Orthopaedics and Traumatology: Surgery and Research</i> , 2022, , 103218.	2.0	2
48	Approximately 30% of Functioning Anterior Cruciate Ligaments Are Sacrificed for Knee Arthroplasty. <i>Journal of Knee Surgery</i> , 2020, 33, 655-658.	1.6	1
49	A subcutaneous arthroscopic portal closure technique without thread exposure. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2020, 30, 383-385.	1.4	1
50	Morphometric analysis of medial and lateral tibia plateau and adaptability with Oxford partial knee replacement in a Japanese population. <i>Journal of Orthopaedic Surgery</i> , 2020, 28, 230949902091930.	1.0	1
51	Surgical Phase Recognition with Wearable Video Camera for Computer-aided Orthopaedic Surgery-AI Navigation System. <i>International Journal of Affective Engineering</i> , 2020, 19, 137-143.	0.5	1
52	Preoperative Condition of the Patellofemoral Joint Does Not Negatively Impact Surgical Outcomes of Lateral Unicompartmental Knee Arthroplasty in the Short Term. <i>Journal of Knee Surgery</i> , 2022, 35, 810-815.	1.6	1
53	Validation of the Macroscopic Anterior Cruciate Ligament Status Using the Oxford Classification System in Relation to Cartilage Defects on the Medial Tibial Plateau in Osteoarthritic Knees. <i>Journal of Knee Surgery</i> , 2020, , .	1.6	1
54	Approximately 41% of knees have a looser gap in full extension than in 20° flexion after Oxford unicompartmental arthroplasty. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2022, , 1.	2.4	1

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55	Infographic: Three key elements of kinematic alignment total knee arthroplasty for clarified understanding of its approaches. Bone and Joint Research, 2022, 11, 226-228.	3.6	1
56	Response to Letter to the Editor "Nishida et al.: Impact of joint line orientation on clinical outcomes in bilateral Oxford mobile-bearing unicompartmental knee arthroplasty". Knee, 2021, 31, 195-197.	1.6	0
57	Trans patellar tendon sagittal tibial cut for lateral unicompartmental knee arthroplasty-location of the split- CT simulation study. Journal of Orthopaedic Science, 2022, , .	1.1	0
58	Reply to letter to the editor by Xie Kai et al.. Journal of Orthopaedic Science, 2022, , .	1.1	0