

Shinichiro Nakamura

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

887
citations

516710

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526287

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60
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60
docs citations

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times ranked

564
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinematic alignment produces near-normal knee motion but increases contact stress after total knee arthroplasty: A case study on a single implant design. <i>Knee</i> , 2015, 22, 206-212.	1.6	106
2	Medial rather than lateral knee instability correlates with inferior patient satisfaction and knee function after total knee arthroplasty. <i>Knee</i> , 2017, 24, 1478-1484.	1.6	74
3	Analysis of the Flexion Gap on In Vivo Knee Kinematics Using Fluoroscopy. <i>Journal of Arthroplasty</i> , 2015, 30, 1237-1242.	3.1	56
4	Intraoperative medial joint laxity in flexion decreases patient satisfaction after total knee arthroplasty. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2018, 138, 1143-1150.	2.4	55
5	The Bi-Surface total knee arthroplasty: Minimum 10-year follow-up study. <i>Knee</i> , 2010, 17, 274-278.	1.6	41
6	Long-Term Durability of Ceramic Tri-Condylar Knee Implants: A Minimum 15-Year Follow-Up. <i>Journal of Arthroplasty</i> , 2017, 32, 1874-1879.	3.1	40
7	How exactly can computer simulation predict the kinematics and contact status after TKA? Examination in individualized models. <i>Clinical Biomechanics</i> , 2016, 39, 65-70.	1.2	34
8	Fluoroscopic and Computed Tomographic Analysis of Knee Kinematics During Very Deep Flexion After Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2010, 25, 486-491.	3.1	29
9	Clinical efficacy of preoperative 3D planning for reducing surgical errors during open-wedge high tibial osteotomy. <i>Journal of Orthopaedic Research</i> , 2019, 37, 898-907.	2.3	27
10	The minimum clinically important difference for the Japanese version of the new Knee Society Score (2011KSS) after total knee arthroplasty. <i>Journal of Orthopaedic Science</i> , 2019, 24, 1053-1057.	1.1	23
11	Classical target coronal alignment in high tibial osteotomy demonstrates validity in terms of knee kinematics and kinetics in a computer model. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2020, 28, 1568-1578.	4.2	20
12	Can Post-Cam Function Be Replaced by Addition of a Third Condyle in PS TKA?. <i>Journal of Arthroplasty</i> , 2014, 29, 1871-1876.	3.1	19
13	3D in vivo femoro-tibial kinematics of tri-condylar total knee arthroplasty during kneeling activities. <i>Knee</i> , 2014, 21, 162-167.	1.6	19
14	Kinematic Difference Between Various Geometric Centers and Contact Points for Tri-Condylar Bi-Surface Knee System. <i>Journal of Arthroplasty</i> , 2015, 30, 701-705.	3.1	19
15	Are the long term results of a high-flex total knee replacement affected by the range of flexion?. <i>International Orthopaedics</i> , 2014, 38, 761-766.	1.9	17
16	No condylar lift-off occurs because of excessive lateral soft tissue laxity in neutrally aligned total knee arthroplasty: a computer simulation study. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2016, 24, 2517-2524.	4.2	17
17	No differences in patient-reported outcomes between medial pivot insert and symmetrical insert in total knee arthroplasty: A randomized analysis. <i>Knee</i> , 2018, 25, 1254-1261.	1.6	17
18	Posterior tibial slope and femoral sizing affect posterior cruciate ligament tension in posterior cruciate-retaining total knee arthroplasty. <i>Clinical Biomechanics</i> , 2015, 30, 676-681.	1.2	16

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19	Intraoperative physiological lateral laxity in extension and flexion for varus knees did not affect short-term clinical outcomes and patient satisfaction. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2020, 28, 3888-3898.	4.2	16
20	Underhang of the tibial component increases tibial bone resorption after total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2019, 27, 1270-1279.	4.2	15
21	Medial tilting of the joint line in posterior stabilized total knee arthroplasty increases contact force and stress. <i>Clinical Biomechanics</i> , 2018, 53, 54-59.	1.2	14
22	Influence of Posterior Cruciate Ligament Tension on Knee Kinematics and Kinetics. <i>Journal of Knee Surgery</i> , 2016, 29, 684-689.	1.6	13
23	Superior-inferior position of patellar component affects patellofemoral kinematics and contact forces in computer simulation. <i>Clinical Biomechanics</i> , 2017, 45, 19-24.	1.2	13
24	Image-matching technique can detect rotational and AP instabilities in chronic ACL-deficient knees. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2011, 19, 69-76.	4.2	12
25	Large medial proximal tibial angles cause excessively medial tibiofemoral contact forces and abnormal knee kinematics following open-wedge high tibial osteotomy. <i>Clinical Biomechanics</i> , 2020, 80, 105190.	1.2	12
26	In vivo femoro-tibial kinematic analysis of a tri-condylar total knee prosthesis. <i>Clinical Biomechanics</i> , 2014, 29, 400-405.	1.2	11
27	Morphology of the Proximal Tibia at Different Levels of Bone Resection in Japanese Knees. <i>Journal of Arthroplasty</i> , 2015, 30, 2323-2327.	3.1	11
28	Varus femoral and tibial coronal alignments result in different kinematics and kinetics after total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2017, 25, 3459-3466.	4.2	10
29	Impact of intraoperative adjustment method for increased flexion gap on knee kinematics after posterior cruciate ligament-sacrificing total knee arthroplasty. <i>Clinical Biomechanics</i> , 2019, 63, 85-94.	1.2	10
30	Correlation Between Intraoperative Anterior Stability and Flexion Gap in Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2018, 33, 2480-2484.	3.1	9
31	Tibial Tubercle-Trochlear Groove Distance Influences Patellar Tilt After Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2019, 34, 3080-3087.	3.1	9
32	In vivo kinematic effects of ball and socket third condyle as a post-cam mechanism in tri-condylar knee implants. <i>Knee</i> , 2015, 22, 237-242.	1.6	8
33	Valgus position of the femoral component causes abnormal kinematics in the presence of medial looseness in total knee arthroplasty: a computer simulation model of TKA for valgus knee osteoarthritis. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2019, 27, 2051-2060.	4.2	8
34	Noise Generation With Good Range of Motion but Without Femorotibial Instability Has Small Effect on Patient Satisfaction After Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2017, 32, 407-412.	3.1	7
35	A Multivariate Analysis on the Effect of No Closed Suction Drain on the Length of Hospital Stay in Total Knee Arthroplasty. <i>Knee Surgery and Related Research</i> , 2019, 31, 25-30.	4.2	7
36	A greater reduction in the distal femoral anterior condyle improves flexion after total knee arthroplasty in patients with osteoarthritis. <i>Knee</i> , 2019, 26, 1364-1371.	1.6	6

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37	Abnormal knee kinematics caused by mechanical alignment in symmetric bicruciate-retaining total knee arthroplasty are alleviated by kinematic alignment. <i>Knee</i> , 2020, 27, 1385-1395.	1.6	6
38	Varus alignment after total knee arthroplasty results in greater axial rotation during deep knee bend activity. <i>Clinical Biomechanics</i> , 2020, 77, 105051.	1.2	6
39	Excessive flexed position of the femoral component was associated with poor new Knee Society Score after total knee arthroplasty with the Bi-Surface knee prosthesis. <i>Bone and Joint Journal</i> , 2020, 102-B, 36-42.	4.4	6
40	Preoperative factors related to the ambulatory status at 1 year after total knee arthroplasty. <i>Disability and Rehabilitation</i> , 2018, 40, 1929-1932.	1.8	5
41	Long-Term Survivorship and Clinical Outcomes of Osteochondral Autologous Transplantation for Steroid-Induced Osteonecrosis of the Knee. <i>Cartilage</i> , 2021, 13, 1156S-1164S.	2.7	5
42	A VCP modulator, KUS121, as a promising therapeutic agent for post-traumatic osteoarthritis. <i>Scientific Reports</i> , 2020, 10, 20787.	3.3	5
43	Ultrasonographic Changes of the Knee Joint Reflect Symptoms of Early Knee Osteoarthritis in General Population; The Nagahama Study. <i>Cartilage</i> , 2022, 13, 194760352210774.	2.7	4
44	Resection-Induced Leveling of Elevated Plug Cartilage in Osteochondral Autologous Transplantation of the Knee Achieves Acceptable Clinical Results. <i>American Journal of Sports Medicine</i> , 2018, 46, 617-622.	4.2	3
45	Length of anterior cruciate ligament affects knee kinematics and kinetics using a musculoskeletal computer simulation model. <i>Journal of Orthopaedics</i> , 2020, 21, 370-374.	1.3	3
46	Domino osteochondral autograft transplantation for osteonecrosis of the knee and femoral head: A case based review. <i>Journal of Orthopaedic Science</i> , 2021, 26, 196-199.	1.1	3
47	Anatomical evaluation of the femoral attachment of the posterior oblique ligament. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2021, 141, 1035-1041.	2.4	3
48	Tenderness of the knee is associated with thinning of the articular cartilage evaluated with ultrasonography in a community-based cohort: The Nagahama study. <i>Modern Rheumatology</i> , 2021, , .	1.8	3
49	Biomechanical Comparison of Kinematic and Mechanical Knee Alignment Techniques in a Computer Simulation Medial Pivot Total Knee Arthroplasty Model. <i>Journal of Knee Surgery</i> , 2021, , .	1.6	3
50	Differences in impact on adjacent compartments in medial unicompartmental knee arthroplasty versus high tibial osteotomy with identical valgus alignment. <i>Knee</i> , 2021, 29, 241-250.	1.6	2
51	Kinematic comparison between asymmetrical and symmetrical polyethylene inserts during deep knee bend activity. <i>Journal of Orthopaedic Science</i> , 2022, 27, 810-814.	1.1	2
52	Functional characteristics of female patients based on ambulatory ability 1 year after total knee arthroplasty. <i>Knee</i> , 2021, 33, 298-304.	1.6	2
53	Hinge fractures reaching the tibial plateau can be caused by forcible opening of insufficient posterior osteotomy during open-wedge high tibial osteotomy. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2023, 31, 1533-1545.	4.2	2
54	High and Varied Anterior Condyle of the Distal Femur Is Associated with Limited Flexion in Varus Knee Osteoarthritis. <i>Cartilage</i> , 2020, , 194760352092858.	2.7	1

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55	Association between quantitative lower limb arterial calcification and bilateral severe knee osteoarthritis. <i>Modern Rheumatology</i> , 2021, 31, 1059-1065.	1.8	1
56	Femoral bowing affects varus femoral alignment but not patient satisfaction in mechanically aligned total knee arthroplasty. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2021, , 1.	1.4	1
57	Static Mediolateral Tilt of the Joint Line after Total Knee Arthroplasty Does Not Reflect Dynamic Tilt during a Stair Ascent Activity. <i>Journal of Knee Surgery</i> , 2021, , .	1.6	1
58	Anteromedial Tibial Attachment in Single-Bundle Anterior Cruciate Ligament Reconstruction Can Represent Normal Kinematics in Computer Simulation. <i>Journal of Knee Surgery</i> , 2022, , .	1.6	0