

J Robert Giffin

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.

112
papers

5,488
citations

37
h-index

73
g-index

146
ext. papers

6,337
ext. citations

3.5
avg, IF

5.43
L-index

#	Paper	IF	Citations
112	The rate of unnecessary interventions for the management of knee osteoarthritis: a population-based cohort study.. <i>Canadian Journal of Surgery</i> , 2022 , 65, E114-E120	2	0
111	Associations Between Cadence and Knee Loading in Patients With Knee Osteoarthritis. <i>Arthritis Care and Research</i> , 2021 , 73, 1667-1671	4.7	2
110	High tibial osteotomy to neutral alignment improves medial knee articular cartilage composition. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021 , 1	5.5	4
109	Health Economic Evaluations of Hip and Knee Interventions in Orthopaedic Sports Medicine: A Systematic Review and Quality Assessment. <i>Orthopaedic Journal of Sports Medicine</i> , 2021 , 9, 2325967120987241	3.5	1
108	Wait times, resource use and health-related quality of life across the continuum of care for patients referred for total knee replacement surgery. <i>Canadian Journal of Surgery</i> , 2021 , 64, E253-E264	2	0
107	Rate of infection following revision anterior cruciate ligament reconstruction and associated patient- and surgeon-dependent risk factors: Retrospective results from MOON and MARS data collected from 2002 to 2011. <i>Journal of Orthopaedic Research</i> , 2021 , 39, 274-280	3.8	3
106	Association between changes in knee load and effusion-synovitis: evidence of mechano-inflammation in knee osteoarthritis using high tibial osteotomy as a model. <i>Osteoarthritis and Cartilage</i> , 2021 , 29, 222-229	6.2	3
105	Total knee replacement after high tibial osteotomy: time-to-event analysis and predictors. <i>Cmaj</i> , 2021 , 193, E158-E166	3.5	4
104	A qualitative dominant mixed methods exploration of novel educational material for patients considering total knee arthroplasty. <i>Disability and Rehabilitation</i> , 2020 , 1-8	2.4	0
103	Trajectories of perceived exertion and pain over a 12-week neuromuscular exercise program in patients with knee osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2020 , 28, 1427-1431	6.2	3
102	Reliability and validity of knee angles and moments in patients with osteoarthritis using a treadmill-based gait analysis system. <i>Gait and Posture</i> , 2020 , 80, 155-161	2.6	1
101	OP0065 INTER-RATER RELIABILITY AND VALIDITY OF MEDIAL AND LATERAL FEMORAL BONE MARROW LESIONS IN PATIENTS WITH OSTEOARTHRITIS UNDERGOING TIBIAL OSTEOTOMY USING THE KNEE INFLAMMATION MRI SCORING SYSTEM (KIMRISS). <i>Annals of the Rheumatic Diseases</i> , 2020 , 79, 43-44	2.4	
100	Predictors of clinical outcome following revision anterior cruciate ligament reconstruction. <i>Journal of Orthopaedic Research</i> , 2020 , 38, 1191-1203	3.8	8
99	Meniscal Repair in the Setting of Revision Anterior Cruciate Ligament Reconstruction: Results From the MARS Cohort. <i>American Journal of Sports Medicine</i> , 2020 , 48, 2978-2985	6.8	8
98	Practice patterns for the treatment of acute proximal hamstring ruptures. <i>Physician and Sportsmedicine</i> , 2020 , 48, 116-122	2.4	8
97	Trends in knee arthroscopy utilization: a gap in knowledge translation. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2020 , 28, 439-447	5.5	13
96	Relationship Between Sports Participation After Revision Anterior Cruciate Ligament Reconstruction and 2-Year Patient-Reported Outcome Measures. <i>American Journal of Sports Medicine</i> , 2019 , 47, 2056-2066	6.8	4

95	Improved Methods to Measure Outcomes After High Tibial Osteotomy. <i>Clinics in Sports Medicine</i> , 2019 , 38, 317-329	2.6	1
94	Degenerative Meniscal Tears and High Tibial Osteotomy: Do Current Treatment Algorithms Need to Be Realigned?. <i>Clinics in Sports Medicine</i> , 2019 , 38, 471-482	2.6	6
93	Association Between Knee Load and Pain: Within-Patient, Between-Knees, Case-Control Study in Patients With Knee Osteoarthritis. <i>Arthritis Care and Research</i> , 2019 , 71, 647-650	4.7	12
92	Predictors of Patient-Reported Outcomes at 2 Years After Revision Anterior Cruciate Ligament Reconstruction. <i>American Journal of Sports Medicine</i> , 2019 , 47, 2394-2401	6.8	16
91	Validation of a novel blinding method for measuring postoperative knee articular cartilage using magnetic resonance imaging. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2019 , 32, 693-702	2.8	5
90	Strong independent associations between gait biomechanics and pain in patients with knee osteoarthritis. <i>Journal of Biomechanics</i> , 2019 , 94, 123-129	2.9	19
89	The importance of costing perspective: an example evaluating the cost-effectiveness of a locking versus nonlocking plate in medial opening wedge high tibial osteotomy. <i>Canadian Journal of Surgery</i> , 2019 , 62, E14-E16	2	5
88	Rehabilitation Predictors of Clinical Outcome Following Revision ACL Reconstruction in the MARS Cohort. <i>Journal of Bone and Joint Surgery - Series A</i> , 2019 , 101, 779-786	5.6	9
87	The star excursion balance test is a reliable and valid outcome measure for patients with knee osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2019 , 27, 580-585	6.2	6
86	Gait biomechanics after combined HTO-ACL reconstruction versus HTO alone: A matched cohort study. <i>Journal of Orthopaedic Research</i> , 2019 , 37, 124-130	3.8	0
85	Physiologic Preoperative Knee Hyperextension Is a Predictor of Failure in an Anterior Cruciate Ligament Revision Cohort: A Report From the MARS Group. <i>American Journal of Sports Medicine</i> , 2018 , 46, 2836-2841	6.8	22
84	Risk Factors and Predictors of Significant Chondral Surface Change From Primary to Revision Anterior Cruciate Ligament Reconstruction: A MOON and MARS Cohort Study. <i>American Journal of Sports Medicine</i> , 2018 , 46, 557-564	6.8	22
83	Decreased medial compartment loading and increased medial femorotibial articular cartilage thickness 12 months after limb realignment surgery. <i>Osteoarthritis and Cartilage</i> , 2018 , 26, S279-S280	6.2	2
82	Combined versus individual effects of a valgus knee brace and lateral wedge foot orthotic during stair use in patients with knee osteoarthritis. <i>Gait and Posture</i> , 2017 , 54, 160-166	2.6	9
81	Subsequent Surgery After Revision Anterior Cruciate Ligament Reconstruction: Rates and Risk Factors From a Multicenter Cohort. <i>American Journal of Sports Medicine</i> , 2017 , 45, 2068-2076	6.8	37
80	Changes in biomechanical risk factors for knee osteoarthritis and their association with 5-year clinically important improvement after limb realignment surgery. <i>Osteoarthritis and Cartilage</i> , 2017 , 25, 1999-2006	6.2	27
79	Surgical Predictors of Clinical Outcomes After Revision Anterior Cruciate Ligament Reconstruction. <i>American Journal of Sports Medicine</i> , 2017 , 45, 2586-2594	6.8	25
78	T1rho and T2 Relaxation of Knee Articular Cartilage in Patients With and at Risk for Knee Osteoarthritis: A Systematic Review and Meta-Analysis. <i>Osteoarthritis and Cartilage</i> , 2017 , 25, S236-S237	6.2	2

77	Development of a Clinician-Rated Drop Vertical Jump Scale for Patients Undergoing Rehabilitation After Anterior Cruciate Ligament Reconstruction: A Delphi Approach. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2017 , 47, 557-564	4.2	3
76	Determination of ED50 and ED95 of 0.5% Ropivacaine in Adductor Canal Block to Produce Quadriceps Weakness: A Dose-Finding Study. <i>Regional Anesthesia and Pain Medicine</i> , 2017 , 42, 731-736	3.4	9
75	Cost-effectiveness analysis of arthroscopic surgery compared with non-operative management for osteoarthritis of the knee. <i>BMJ Open</i> , 2016 , 6, e009949	3	38
74	The development and validation of a multivariable model to predict whether patients referred for total knee replacement are suitable surgical candidates at the time of initial consultation. <i>Canadian Journal of Surgery</i> , 2016 , 59, 407-414	2	6
73	Comparison of Gait Characteristics Between Patients With Nontraumatic and Posttraumatic Medial Knee Osteoarthritis. <i>Arthritis Care and Research</i> , 2016 , 68, 1215-23	4.7	5
72	High tibial osteotomy in the ACL-deficient knee with medial compartment osteoarthritis. <i>Journal of Orthopaedics and Traumatology</i> , 2016 , 17, 277-85	5	31
71	Meniscal and Articular Cartilage Predictors of Clinical Outcome After Revision Anterior Cruciate Ligament Reconstruction. <i>American Journal of Sports Medicine</i> , 2016 , 44, 1671-9	6.8	47
70	Assessing the local mechanical environment in medial opening wedge high tibial osteotomy using finite element analysis. <i>Journal of Biomechanical Engineering</i> , 2015 , 137,	2.1	12
69	Medial opening wedge high tibial osteotomy alters knee moments in multiple planes during walking and stair ascent. <i>Gait and Posture</i> , 2015 , 42, 165-71	2.6	19
68	Association of Meniscal Status, Lower Extremity Alignment, and Body Mass Index With Chondrosis at Revision Anterior Cruciate Ligament Reconstruction. <i>American Journal of Sports Medicine</i> , 2015 , 43, 1616-22	6.8	33
67	Five-year changes in gait biomechanics after concomitant high tibial osteotomy and ACL reconstruction in patients with medial knee osteoarthritis. <i>American Journal of Sports Medicine</i> , 2015 , 43, 2277-85	6.8	40
66	Biomechanical effects of valgus knee bracing: a systematic review and meta-analysis. <i>Osteoarthritis and Cartilage</i> , 2015 , 23, 178-88	6.2	61
65	Validation of the Questionnaire to Identify Knee Symptoms (QuIKS) using Rasch analysis. <i>Health and Quality of Life Outcomes</i> , 2015 , 13, 157	3	5
64	Radiostereometric analysis of early anatomical changes following medial opening wedge high tibial osteotomy. <i>Knee</i> , 2015 , 22, 41-6	2.6	6
63	Valgus bracing for knee osteoarthritis: a meta-analysis of randomized trials. <i>Arthritis Care and Research</i> , 2015 , 67, 493-501	4.7	44
62	A preference-based single-item measure of quality of life following medial opening wedge high tibial osteotomy: large improvements similar to arthroplasty. <i>Knee</i> , 2014 , 21, 456-61	2.6	12
61	Gait biomechanics pre and post combined high tibial osteotomy and acl reconstruction. <i>Osteoarthritis and Cartilage</i> , 2014 , 22, S112-S113	6.2	2
60	Effect of graft choice on the outcome of revision anterior cruciate ligament reconstruction in the Multicenter ACL Revision Study (MARS) Cohort. <i>American Journal of Sports Medicine</i> , 2014 , 42, 2301-10	6.8	161

59	Osteoarthritis Classification Scales: Interobserver Reliability and Arthroscopic Correlation. <i>Journal of Bone and Joint Surgery - Series A</i> , 2014 , 96, 1145-1151	5.6	97
58	Adverse event rates and classifications in medial opening wedge high tibial osteotomy. <i>American Journal of Sports Medicine</i> , 2014 , 42, 1118-26	6.8	111
57	Staged medial opening wedge high tibial osteotomy for bilateral varus gonarthrosis: biomechanical and clinical outcomes. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2014 , 22, 2672-81	5.5	12
56	A case series of lateral opening wedge high tibial osteotomy for valgus malalignment. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2013 , 21, 152-60	5.5	43
55	High tibial osteotomy: evolution of research and clinical applications--a Canadian experience. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2013 , 21, 23-31	5.5	61
54	Changes in valgus and varus alignment neutralize aberrant frontal plane knee moments in patients with unicompartmental knee osteoarthritis. <i>Journal of Biomechanics</i> , 2013 , 46, 1408-12	2.9	21
53	Combined effects of a valgus knee brace and lateral wedge foot orthotic on the external knee adduction moment in patients with varus gonarthrosis. <i>Archives of Physical Medicine and Rehabilitation</i> , 2013 , 94, 103-12	2.8	33
52	Radiographic findings in revision anterior cruciate ligament reconstructions from the Mars cohort. <i>Journal of Knee Surgery</i> , 2013 , 26, 239-47	2.4	28
51	Combined tibial tubercle osteotomy with medial opening wedge high tibial osteotomy minimizes changes in patellar height: a prospective cohort study with historical controls. <i>American Journal of Sports Medicine</i> , 2013 , 41, 2849-57	6.8	35
50	The effect of walking poles on the knee adduction moment in patients with varus gonarthrosis. <i>Osteoarthritis and Cartilage</i> , 2012 , 20, 1500-6	6.2	13
49	Technique in ACL reconstruction: Hamstring reconstruction 2012 , 195-202		0
48	Toe-out, lateral trunk lean, and pelvic obliquity during prolonged walking in patients with medial compartment knee osteoarthritis and healthy controls. <i>Arthritis Care and Research</i> , 2012 , 64, 525-32	4.7	15
47	In-shoe plantar pressure measurements for patients with knee osteoarthritis: Reliability and effects of lateral heel wedges. <i>Gait and Posture</i> , 2011 , 34, 391-6	2.6	23
46	Preoperative strength training for patients undergoing high tibial osteotomy: a prospective cohort study with historical controls. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2011 , 41, 52-9	4.2	13
45	23 INCREASED DYNAMIC KNEE JOINT LOAD ON THE NON-OPERATIVE LIMB AFTER HIGH TIBIAL OSTEOTOMY. <i>Osteoarthritis and Cartilage</i> , 2011 , 19, S17	6.2	2
44	Comparative diagnostic accuracy of knee adduction moments in knee osteoarthritis: a case for not normalizing to body size. <i>Journal of Biomechanics</i> , 2011 , 44, 968-71	2.9	15
43	Descriptive epidemiology of the Multicenter ACL Revision Study (MARS) cohort. <i>American Journal of Sports Medicine</i> , 2010 , 38, 1979-86	6.8	288
42	Operative versus nonoperative treatment of acute Achilles tendon ruptures: a multicenter randomized trial using accelerated functional rehabilitation. <i>Journal of Bone and Joint Surgery - Series A</i> , 2010 , 92, 2767-75	5.6	373

41	A comparison of subtalar joint motion during anticipated medial cutting turns and level walking using a multi-segment foot model. <i>Gait and Posture</i> , 2010 , 31, 153-8	2.6	17
40	Minimal detectable change in quadriceps strength and voluntary muscle activation in patients with knee osteoarthritis. <i>Archives of Physical Medicine and Rehabilitation</i> , 2010 , 91, 1447-51	2.8	75
39	Alignment, body mass and their interaction on dynamic knee joint load in patients with knee osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2010 , 18, 888-93	6.2	50
38	Impact of medial opening or lateral closing tibial osteotomy on bone resection and posterior cruciate ligament integrity during knee arthroplasty. <i>Journal of Arthroplasty</i> , 2009 , 24, 979-89	4.4	12
37	Medial opening wedge high tibial osteotomy: a prospective cohort study of gait, radiographic, and patient-reported outcomes. <i>Arthritis and Rheumatism</i> , 2009 , 61, 648-57		119
36	Effect of tibial re-alignment surgery on single leg standing balance in patients with knee osteoarthritis. <i>Clinical Biomechanics</i> , 2009 , 24, 693-6	2.2	9
35	Moments and muscle activity after high tibial osteotomy and anterior cruciate ligament reconstruction. <i>Medicine and Science in Sports and Exercise</i> , 2009 , 41, 612-9	1.2	22
34	Arthroscopic surgery did not provide additional benefit to physical and medical therapy for osteoarthritis of the knee. <i>Journal of Bone and Joint Surgery - Series A</i> , 2009 , 91, 1281	5.6	9
33	Avoiding and Managing Complications in Osteotomies of the Knee 2009 , 115-132		2
32	Lateral trunk lean explains variation in dynamic knee joint load in patients with medial compartment knee osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2008 , 16, 591-9	6.2	162
31	A randomized controlled trial comparing the effectiveness of functional knee brace and neoprene sleeve use after anterior cruciate ligament reconstruction. <i>American Journal of Sports Medicine</i> , 2008 , 36, 648-55	6.8	66
30	Measures of frontal plane lower limb alignment obtained from static radiographs and dynamic gait analysis. <i>Gait and Posture</i> , 2008 , 27, 635-40	2.6	48
29	Outcome of posterior ankle arthroscopy for hindfoot impingement. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2008 , 24, 196-202	5.4	103
28	A randomized trial of arthroscopic surgery for osteoarthritis of the knee. <i>New England Journal of Medicine</i> , 2008 , 359, 1097-107	59.2	483
27	Resistance training for medial compartment knee osteoarthritis and malalignment. <i>Medicine and Science in Sports and Exercise</i> , 2008 , 40, 1376-84	1.2	50
26	Toe-out gait in patients with knee osteoarthritis partially transforms external knee adduction moment into flexion moment during early stance phase of gait: a tri-planar kinetic mechanism. <i>Journal of Biomechanics</i> , 2008 , 41, 276-83	2.9	105
25	Changes in Measures of Standing Balance After High Tibial Osteotomy Surgery for Individuals with Knee Osteoarthritis. <i>Medicine and Science in Sports and Exercise</i> , 2008 , 40, S449	1.2	
24	Test-retest reliability of the peak knee adduction moment during walking in patients with medial compartment knee osteoarthritis. <i>Arthritis and Rheumatism</i> , 2007 , 57, 1012-7		115

23	Importance of tibial slope for stability of the posterior cruciate ligament deficient knee. <i>American Journal of Sports Medicine</i> , 2007 , 35, 1443-9	6.8	135
22	Radiographic measures of knee alignment in patients with varus gonarthrosis: effect of weightbearing status and associations with dynamic joint load. <i>American Journal of Sports Medicine</i> , 2007 , 35, 65-70	6.8	114
21	Hop testing provides a reliable and valid outcome measure during rehabilitation after anterior cruciate ligament reconstruction. <i>Physical Therapy</i> , 2007 , 87, 337-49	3.3	406
20	Effectiveness of bioabsorbable arrows compared with inside-out suturing for vertical, reparable meniscal lesions: a randomized clinical trial. <i>American Journal of Sports Medicine</i> , 2007 , 35, 889-96	6.8	44
19	The role of the high tibial osteotomy in the unstable knee. <i>Sports Medicine and Arthroscopy Review</i> , 2007 , 15, 23-31	2.5	41
18	Associations among knee adduction moment, frontal plane ground reaction force, and lever arm during walking in patients with knee osteoarthritis. <i>Journal of Biomechanics</i> , 2006 , 39, 2213-20	2.9	189
17	Foot rotational effects on radiographic measures of lower limb alignment. <i>Canadian Journal of Surgery</i> , 2006 , 49, 401-6	2	67
16	Arthroscopic endobutton fixation for tibial eminence fractures: surgical technique. <i>Journal of Knee Surgery</i> , 2005 , 18, 203-5	2.4	9
15	Reliability of lower limb frontal plane alignment measurements using plain radiographs and digitized images. <i>Journal of Knee Surgery</i> , 2004 , 17, 203-10	2.4	75
14	Effects of increasing tibial slope on the biomechanics of the knee. <i>American Journal of Sports Medicine</i> , 2004 , 32, 376-82	6.8	506
13	Internal fixation of radial neck fractures: an in vitro biomechanical analysis. <i>Clinical Biomechanics</i> , 2004 , 19, 358-61	2.2	18
12	Clinical outcomes after combined meniscal allograft transplantation and anterior cruciate ligament reconstruction. <i>American Journal of Sports Medicine</i> , 2003 , 31, 896-906	6.8	94
11	Revision anterior cruciate ligament reconstruction. <i>Orthopedic Clinics of North America</i> , 2003 , 34, 79-98	3.5	151
10	Valgus high tibial osteotomy. Comparison between an Ilizarov and a Coventry wedge technique for the treatment of medial compartment osteoarthritis of the knee. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2002 , 10, 169-76	5.5	44
9	Design and validation of an unconstrained loading system to measure the envelope of motion in the rabbit knee joint. <i>Journal of Biomechanical Engineering</i> , 2001 , 123, 347-54	2.1	8
8	Anatomy and biomechanics of the posterior cruciate ligament and posterolateral corner. <i>Operative Techniques in Sports Medicine</i> , 2001 , 9, 39-46	0.4	7
7	Potential complication of bioabsorbable screw fixation for osteochondritis dissecans of the knee. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2001 , 17, E7	5.4	56
6	Primary repair of osteochondral and chondral injury. <i>Operative Techniques in Orthopaedics</i> , 2001 , 11, 83-89	0.3	3

5	Biomechanics of the Posterior Cruciate Ligament-Deficient Knee. <i>Techniques in Orthopaedics</i> , 2001 , 16, 109-118	0.4	1
4	Failed anterior cruciate ligament surgery: overview of the problem. <i>The American Journal of Knee Surgery</i> , 2001 , 14, 185-92		16
3	(ii) PCL reconstruction. <i>Orthopaedics and Trauma</i> , 2000 , 14, 329-336		1
2	Evaluation and Treatment of Recurrent Instability After Anterior Cruciate Ligament Reconstruction* <i>Journal of Bone and Joint Surgery - Series A</i> , 2000 , 82, 1652-1664	5.6	35
1	Application of a Lateral Heel Wedge as a Nonsurgical Treatment for Varum Gonarthrosis. <i>Journal of Prosthetics and Orthotics</i> , 1995 , 7, 23-28	0.7	10