Kharma C Foucher

List of Publications by Citations

38 papers	898 citations	19 h-index	29 g-index
39 ext. papers	1,012 ext. citations	2.9 avg, IF	4.56 L-index

#	Paper	IF	Citations
38	Preoperative gait adaptations persist one year after surgery in clinically well-functioning total hip replacement patients. *Journal of Biomechanics*, **2007**, 40, 3432-7	2.9	133
37	Biceps activity during windmill softball pitching: injury implications and comparison with overhand throwing. *American Journal of Sports Medicine*, **2009**, 37, 558-65	6.8	68
36	Effects of common footwear on joint loading in osteoarthritis of the knee. *Arthritis Care and Research*, **2010**, 62, 917-23	4.7	57
35	Contralateral hip and knee gait biomechanics are unchanged by total hip replacement for unilateral hip osteoarthritis. *Gait and Posture*, **2012**, 35, 61-5	2.6	53
34	Hip motion and moments during gait relate directly to proximal femoral bone mineral density in patients with hip osteoarthritis. *Journal of Biomechanics*, **1998**, 31, 919-25	2.9	50
33	Time course and extent of functional recovery during the first postoperative year after minimally invasive total hip arthroplasty with two different surgical approaches--a randomized controlled trial. *Journal of Biomechanics*, **2011**, 44, 372-8	2.9	47
32	Sagittal plane hip motion reversals during walking are associated with disease severity and poorer function in subjects with hip osteoarthritis. *Journal of Biomechanics*, **2012**, 45, 1360-5	2.9	44
31	Relative importance of gait vs. joint positioning on hip contact forces after total hip replacement. *Journal of Orthopaedic Research*, **2009**, 27, 1576-82	3.8	38
30	Asymmetric loading and bone mineral density at the asymptomatic knees of patients with unilateral hip osteoarthritis. *Arthritis and Rheumatism*, **2011**, 63, 3853-8		34
29	Do gait adaptations during stair climbing result in changes in implant forces in subjects with total hip replacements compared to normal subjects?. *Clinical Biomechanics*, **2008**, 23, 754-61	2.2	33
28	A new parametric approach for modeling hip forces during gait. *Journal of Biomechanics*, **2003**, 36, 113-9	2.9	32
27	Direct comparison of measured and calculated total knee replacement force envelopes during walking in the presence of normal and abnormal gait patterns. *Journal of Biomechanics*, **2012**, 45, 990-6	2.9	31
26	Improvement in knee loading after use of specialized footwear for knee osteoarthritis: results of a six-month pilot investigation. *Arthritis and Rheumatism*, **2013**, 65, 1282-9		29
25	Preoperative factors associated with postoperative gait kinematics and kinetics after total hip arthroplasty. *Osteoarthritis and Cartilage*, **2015**, 23, 1685-94	6.2	27
24	Identifying clinically meaningful benchmarks for gait improvement after total hip arthroplasty. *Journal of Orthopaedic Research*, **2016**, 34, 88-96	3.8	25
23	The relationship of vibratory perception to dynamic joint loading, radiographic severity, and pain in knee osteoarthritis. *Arthritis and Rheumatism*, **2012**, 64, 181-6		24
22	Are Harris hip scores and gait mechanics related before and after THA?. *Clinical Orthopaedics and Related Research*, **2014**, 472, 3452-61	2.2	24

21	Sex-specific hip osteoarthritis-associated gait abnormalities: Alterations in dynamic hip abductor function differ in men and women. *Clinical Biomechanics*, **2017**, 48, 24-29	2.2	19
20	Differences in preferred walking speeds in a gait laboratory compared with the real world after total hip replacement. *Archives of Physical Medicine and Rehabilitation*, **2010**, 91, 1390-5	2.8	19
19	Gait abnormalities before and after total hip arthroplasty differ in men and women. *Journal of Biomechanics*, **2016**, 49, 3582-3586	2.9	19
18	A parametric approach to numerical modeling of TKR contact forces. *Journal of Biomechanics*, **2009**, 42, 541-5	2.9	18
17	Comparison of Antagonist Muscle Activity During Walking Between Total Knee Replacement and Control Subjects Using Unnormalized Electromyography. *Journal of Arthroplasty*, **2016**, 31, 1331-1339	4.4	12
16	Inter-joint coordination of kinematics and kinetics before and after total hip arthroplasty compared to asymptomatic subjects. *Journal of Biomechanics*, **2018**, 72, 180-186	2.9	11
15	Preoperative gait mechanics predict clinical response to total hip arthroplasty. *Journal of Orthopaedic Research*, **2017**, 35, 366-376	3.8	10
14	Junior Investigators Thinking About Quitting Research: A Survey. *American Journal of Occupational Therapy*, **2017**, 71, 7102280010p1-7102280010p7	0.4	7
13	Hypoesthesia after anterior cruciate ligament reconstruction: The relationship between proprioception and vibration perception deficits in individuals greater than one year post-surgery. *Knee*, **2019**, 26, 194-200	2.6	7
12	Static and dynamic abductor function are both associated with physical function 1 to 5 years after total hip arthroplasty. *Clinical Biomechanics*, **2019**, 67, 127-133	2.2	5
11	Does hip implant positioning affect the peak external adduction moments of the healthy knees of subjects with total hip replacements?. *Journal of Orthopaedic Research*, **2013**, 31, 1187-94	3.8	4
10	Sex specific associations between biomechanical recovery and clinical recovery after total hip arthroplasty. *Clinical Biomechanics*, **2018**, 59, 167-173	2.2	4
9	Hip abductor strength and fatigue are associated with activity levels more than 1 year after total hip replacement. *Journal of Orthopaedic Research*, **2018**, 36, 1519-1525	3.8	3
8	Task-Specific Perturbation Training Improves the Recovery Stepping Responses by Women With Knee Osteoarthritis Following Laboratory-Induced Trips. *Journal of Orthopaedic Research*, **2020**, 38, 663-669	3.8	3
7	Hip joint moments in symptomatic vs. asymptomatic people with mild radiographic hip osteoarthritis. *Journal of Biomechanics*, **2019**, 96, 109347	2.9	2
6	Aerobic capacity and fatigability are associated with activity levels in women with hip osteoarthritis. *Journal of Orthopaedic Research*, **2021**, 39, 1236-1244	3.8	2
5	Strength and physical activity in osteoarthritis: The mediating role of kinesiophobia. *Journal of Orthopaedic Research*, **2021**,	3.8	2
4	Impact of step length asymmetry on walking energetics in women with hip Osteoarthritis: A pilot study. *Journal of Biomechanics*, **2021**, 129, 110862	2.9	1

3	Walking energetics and abductor strength are associated with physical activity in older women with hip osteoarthritis. *Gait and Posture*, **2021**, 85, 151-156	2.6	1
2	Walking energetics and fatigue are associated with physical activity in people with knee osteoarthritis. *Clinical Biomechanics*, **2021**, 88, 105427	2.2	0
1	Acetabular Osteoarticular Allograft After Ewing Sarcoma Resection: A 15-Year Follow-up: A Case Report. *JBJS Case Connector*, **2016**, 6, e89	0.4	