

Kharma C Foucher

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

1,125
citations

361045

20
h-index

395343

33
g-index

39
all docs

39
docs citations

39
times ranked

1012
citing authors

#	ARTICLE	IF	CITATIONS
1	Preoperative gait adaptations persist one year after surgery in clinically well-functioning total hip replacement patients. <i>Journal of Biomechanics</i> , 2007, 40, 3432-3437.	0.9	153
2	Biceps Activity during Windmill Softball Pitching. <i>American Journal of Sports Medicine</i> , 2009, 37, 558-565.	1.9	83
3	Effects of common footwear on joint loading in osteoarthritis of the knee. <i>Arthritis Care and Research</i> , 2010, 62, 917-923.	1.5	71
4	Contralateral hip and knee gait biomechanics are unchanged by total hip replacement for unilateral hip osteoarthritis. <i>Gait and Posture</i> , 2012, 35, 61-65.	0.6	59
5	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. <i>Journal of Biomechanics</i> , 2011, 44, 372-378.	0.9	57
6	Hip motion and moments during gait relate directly to proximal femoral bone mineral density in patients with hip osteoarthritis. <i>Journal of Biomechanics</i> , 1998, 31, 919-925.	0.9	52
7	Sagittal plane hip motion reversals during walking are associated with disease severity and poorer function in subjects with hip osteoarthritis. <i>Journal of Biomechanics</i> , 2012, 45, 1360-1365.	0.9	49
8	Asymmetric loading and bone mineral density at the asymptomatic knees of patients with unilateral hip osteoarthritis. <i>Arthritis and Rheumatism</i> , 2011, 63, 3853-3858.	6.7	46
9	Relative importance of gait vs. joint positioning on hip contact forces after total hip replacement. <i>Journal of Orthopaedic Research</i> , 2009, 27, 1576-1582.	1.2	42
10	Improvement in Knee Loading After Use of Specialized Footwear for Knee Osteoarthritis: Results of a Six-Month Pilot Investigation. <i>Arthritis and Rheumatism</i> , 2013, 65, 1282-1289.	6.7	41
11	A new parametric approach for modeling hip forces during gait. <i>Journal of Biomechanics</i> , 2003, 36, 113-119.	0.9	37
12	Do gait adaptations during stair climbing result in changes in implant forces in subjects with total hip replacements compared to normal subjects?. <i>Clinical Biomechanics</i> , 2008, 23, 754-761.	0.5	37
13	Direct comparison of measured and calculated total knee replacement force envelopes during walking in the presence of normal and abnormal gait patterns. <i>Journal of Biomechanics</i> , 2012, 45, 990-996.	0.9	36
14	Are Harris Hip Scores and Gait Mechanics Related Before and After THA?. <i>Clinical Orthopaedics and Related Research</i> , 2014, 472, 3452-3461.	0.7	31
15	Identifying clinically meaningful benchmarks for gait improvement after total hip arthroplasty. <i>Journal of Orthopaedic Research</i> , 2016, 34, 88-96.	1.2	31
16	The relationship of vibratory perception to dynamic joint loading, radiographic severity, and pain in knee osteoarthritis. <i>Arthritis and Rheumatism</i> , 2012, 64, 181-186.	6.7	29
17	Preoperative factors associated with postoperative gait kinematics and kinetics after total hip arthroplasty. <i>Osteoarthritis and Cartilage</i> , 2015, 23, 1685-1694.	0.6	29
18	Differences in Preferred Walking Speeds in a Gait Laboratory Compared With the Real World After Total Hip Replacement. <i>Archives of Physical Medicine and Rehabilitation</i> , 2010, 91, 1390-1395.	0.5	26

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19	Sex-specific hip osteoarthritis-associated gait abnormalities: Alterations in dynamic hip abductor function differ in men and women. <i>Clinical Biomechanics</i> , 2017, 48, 24-29.	0.5	25
20	A parametric approach to numerical modeling of TKR contact forces. <i>Journal of Biomechanics</i> , 2009, 42, 541-545.	0.9	22
21	Gait abnormalities before and after total hip arthroplasty differ in men and women. <i>Journal of Biomechanics</i> , 2016, 49, 3582-3586.	0.9	20
22	Inter-joint coordination of kinematics and kinetics before and after total hip arthroplasty compared to asymptomatic subjects. <i>Journal of Biomechanics</i> , 2018, 72, 180-186.	0.9	18
23	Comparison of Antagonist Muscle Activity During Walking Between Total Knee Replacement and Control Subjects Using Unnormalized Electromyography. <i>Journal of Arthroplasty</i> , 2016, 31, 1331-1339.	1.5	15
24	Strength and physical activity in osteoarthritis: The mediating role of kinesiophobia. <i>Journal of Orthopaedic Research</i> , 2022, 40, 1135-1142.	1.2	14
25	Preoperative gait mechanics predict clinical response to total hip arthroplasty. <i>Journal of Orthopaedic Research</i> , 2017, 35, 366-376.	1.2	13
26	Static and dynamic abductor function are both associated with physical function 1 to 5 years after total hip arthroplasty. <i>Clinical Biomechanics</i> , 2019, 67, 127-133.	0.5	10
27	Hypoesthesia after anterior cruciate ligament reconstruction: The relationship between proprioception and vibration perception deficits in individuals greater than one year post-surgery. <i>Knee</i> , 2019, 26, 194-200.	0.8	10
28	The importance of diversity, equity, and inclusion in orthopedic research. <i>Journal of Orthopaedic Research</i> , 2020, 38, 1661-1665.	1.2	10
29	Junior Investigators Thinking About Quitting Research: A Survey. <i>American Journal of Occupational Therapy</i> , 2017, 71, 7102280010p1-7102280010p7.	0.1	9
30	Aerobic capacity and fatigability are associated with activity levels in women with hip osteoarthritis. <i>Journal of Orthopaedic Research</i> , 2021, 39, 1236-1244.	1.2	8
31	Hip joint moments in symptomatic vs. asymptomatic people with mild radiographic hip osteoarthritis. <i>Journal of Biomechanics</i> , 2019, 96, 109347.	0.9	7
32	Does hip implant positioning affect the peak external adduction moments of the healthy knees of subjects with total hip replacements?. <i>Journal of Orthopaedic Research</i> , 2013, 31, 1187-1194.	1.2	6
33	Task-specific Perturbation Training Improves the Recovery Stepping Responses by Women With Knee Osteoarthritis Following Laboratory-induced Trips. <i>Journal of Orthopaedic Research</i> , 2020, 38, 663-669.	1.2	6
34	Hip abductor strength and fatigue are associated with activity levels more than 1 year after total hip replacement. <i>Journal of Orthopaedic Research</i> , 2018, 36, 1519-1525.	1.2	5
35	Sex specific associations between biomechanical recovery and clinical recovery after total hip arthroplasty. <i>Clinical Biomechanics</i> , 2018, 59, 167-173.	0.5	5
36	Walking energetics and abductor strength are associated with physical activity in older women with hip osteoarthritis. <i>Gait and Posture</i> , 2021, 85, 151-156.	0.6	5

#	ARTICLE	IF	CITATIONS
37	Impact of step length asymmetry on walking energetics in women with hip Osteoarthritis: A pilot study. <i>Journal of Biomechanics</i> , 2021, 129, 110862.	0.9	4
38	Walking energetics and fatigue are associated with physical activity in people with knee osteoarthritis. <i>Clinical Biomechanics</i> , 2021, 88, 105427.	0.5	3
39	Acetabular Osteoarticular Allograft After Ewing Sarcoma Resection: A 15-Year Follow-up. <i>JBJS Case Connector</i> , 2016, 6, e89.	0.1	1