

Saikat Pal

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

929
citations

566801

15
h-index

794141

19
g-index

22
all docs

22
docs citations

22
times ranked

914
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of long-term numerical and experimental total knee replacement wear during simulated gait loading. <i>Journal of Biomechanics</i> , 2007, 40, 1550-1558.	0.9	136
2	Changes in tibiofemoral forces due to variations in muscle activity during walking. <i>Journal of Orthopaedic Research</i> , 2014, 32, 769-776.	1.2	109
3	Patellar Maltracking Correlates With Vastus Medialis Activation Delay in Patellofemoral Pain Patients. <i>American Journal of Sports Medicine</i> , 2011, 39, 590-598.	1.9	95
4	Finite element-based probabilistic analysis tool for orthopaedic applications. <i>Computer Methods and Programs in Biomedicine</i> , 2007, 85, 32-40.	2.6	78
5	Patellar tilt correlates with vastus lateralis: Vastus medialis activation ratio in maltracking patellofemoral pain patients. <i>Journal of Orthopaedic Research</i> , 2012, 30, 927-933.	1.2	78
6	Probabilistic computational modeling of total knee replacement wear. <i>Wear</i> , 2008, 264, 701-707.	1.5	66
7	Patellar maltracking is prevalent among patellofemoral pain subjects with patella alta: An upright, weightbearing MRI study. <i>Journal of Orthopaedic Research</i> , 2013, 31, 448-457.	1.2	63
8	Probabilistic finite element prediction of knee wear simulator mechanics. <i>Journal of Biomechanics</i> , 2006, 39, 2303-2310.	0.9	59
9	Effect of variability in anatomical landmark location on knee kinematic description. <i>Journal of Orthopaedic Research</i> , 2007, 25, 1221-1230.	1.2	42
10	Fiducial marker-based correction for involuntary motion in weight-bearing C-arm CT scanning of knees. II. Experiment. <i>Medical Physics</i> , 2014, 41, 061902.	1.6	41
11	Probabilistic Modeling of Knee Muscle Moment Arms: Effects of Methods, Originâ€“Insertion, and Kinematic Variability. <i>Annals of Biomedical Engineering</i> , 2007, 35, 1632-1642.	1.3	36
12	Effects of knee simulator loading and alignment variability on predicted implant mechanics: A probabilistic study. <i>Journal of Orthopaedic Research</i> , 2006, 24, 2212-2221.	1.2	32
13	A Viscoelastic Constitutive Model Can Accurately Represent Entire Creep Indentation Tests of Human Patella Cartilage. <i>Journal of Applied Biomechanics</i> , 2013, 29, 292-302.	0.3	30
14	The Role of Cartilage Stress in Patellofemoral Pain. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 2416-2422.	0.2	25
15	Patellofemoral cartilage stresses are most sensitive to variations in vastus medialis muscle forces. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2019, 22, 206-216.	0.9	16
16	Knee muscle co-contractions are greater in old compared to young adults during walking and stair use. <i>Gait and Posture</i> , 2019, 73, 315-322.	0.6	14
17	Muscle velocity and inertial force from phase contrast MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 526-532.	1.9	3
18	Tibiofemoral forces during FES rowing in individuals with spinal cord injury. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2021, 24, 231-244.	0.9	3

#	ARTICLE	IF	CITATIONS
19	Muscle co-contractions are greater in older adults during walking at self-selected speeds over uneven compared to even surfaces. <i>Journal of Biomechanics</i> , 2021, 128, 110718.	0.9	3
20	Analysis of three-dimensional joint space of the tibiofemoral joint. , 2013, , .		0
21	Muscle velocity and inertial force from phase contrast MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, spcone-spcone.	1.9	0