Saikat Pal

List of Publications by Year in descending order

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SAIKAT DAI

#	Article	IF	CITATIONS
1	Tibiofemoral forces during FES rowing in individuals with spinal cord injury. Computer Methods in Biomechanics and Biomedical Engineering, 2021, 24, 231-244.	1.6	3
2	Muscle co-contractions are greater in older adults during walking at self-selected speeds over uneven compared to even surfaces. Journal of Biomechanics, 2021, 128, 110718.	2.1	3
3	Knee muscle co-contractions are greater in old compared to young adults during walking and stair use. Gait and Posture, 2019, 73, 315-322.	1.4	14
4	Patellofemoral cartilage stresses are most sensitive to variations in vastus medialis muscle forces. Computer Methods in Biomechanics and Biomedical Engineering, 2019, 22, 206-216.	1.6	16
5	The Role of Cartilage Stress in Patellofemoral Pain. Medicine and Science in Sports and Exercise, 2015, 47, 2416-2422.	0.4	25
6	Muscle velocity and inertial force from phase contrast MRI. Journal of Magnetic Resonance Imaging, 2015, 42, 526-532.	3.4	3
7	Muscle velocity and inertial force from phase contrast MRI. Journal of Magnetic Resonance Imaging, 2015, 42, spcone-spcone.	3.4	Ο
8	Fiducial marker-based correction for involuntary motion in weight-bearing C-arm CT scanning of knees. II. Experiment. Medical Physics, 2014, 41, 061902.	3.0	41
9	Changes in tibiofemoral forces due to variations in muscle activity during walking. Journal of Orthopaedic Research, 2014, 32, 769-776.	2.3	109
10	Analysis of three-dimensional joint space of the tibiofemoral joint. , 2013, , .		0
11	Patellar maltracking is prevalent among patellofemoral pain subjects with patella alta: An upright, weightbearing MRI study. Journal of Orthopaedic Research, 2013, 31, 448-457.	2.3	63
12	A Viscoelastic Constitutive Model Can Accurately Represent Entire Creep Indentation Tests of Human Patella Cartilage. Journal of Applied Biomechanics, 2013, 29, 292-302.	0.8	30
13	Patellar tilt correlates with vastus lateralis: Vastus medialis activation ratio in maltracking patellofemoral pain patients. Journal of Orthopaedic Research, 2012, 30, 927-933.	2.3	78
14	Patellar Maltracking Correlates With Vastus Medialis Activation Delay in Patellofemoral Pain Patients. American Journal of Sports Medicine, 2011, 39, 590-598.	4.2	95
15	Probabilistic computational modeling of total knee replacement wear. Wear, 2008, 264, 701-707.	3.1	66
16	Effect of variability in anatomical landmark location on knee kinematic description. Journal of Orthopaedic Research, 2007, 25, 1221-1230.	2.3	42
17	Comparison of long-term numerical and experimental total knee replacement wear during simulated gait loading. Journal of Biomechanics, 2007, 40, 1550-1558.	2.1	136

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19	Probabilistic Modeling of Knee Muscle Moment Arms: Effects of Methods, Origin–Insertion, and Kinematic Variability. Annals of Biomedical Engineering, 2007, 35, 1632-1642.	2.5	36
20	Probabilistic finite element prediction of knee wear simulator mechanics. Journal of Biomechanics, 2006, 39, 2303-2310.	2.1	59
21	Effects of knee simulator loading and alignment variability on predicted implant mechanics: A probabilistic study. Journal of Orthopaedic Research, 2006, 24, 2212-2221.	2.3	32