

Adam Trepczynski

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

622
citations

1163117

8
h-index

996975

15
g-index

18
all docs

18
docs citations

18
times ranked

648
citing authors

#	ARTICLE	IF	CITATIONS
1	Knee Adduction Moment and Medial Contact Force – Facts about Their Correlation during Gait. PLoS ONE, 2013, 8, e81036.	2.5	180
2	A comprehensive assessment of the musculoskeletal system: The CAMS-Knee data set. Journal of Biomechanics, 2017, 65, 32-39.	2.1	82
3	Patellofemoral joint contact forces during activities with high knee flexion. Journal of Orthopaedic Research, 2012, 30, 408-415.	2.3	77
4	Modulation of the Relationship Between External Knee Adduction Moments and Medial Joint Contact Forces Across Subjects and Activities. Arthritis and Rheumatology, 2014, 66, 1218-1227.	5.6	73
5	The SCoRE residual: A quality index to assess the accuracy of joint estimations. Journal of Biomechanics, 2011, 44, 1400-1404.	2.1	52
6	Impact of antagonistic muscle co-contraction on in vivo knee contact forces. Journal of NeuroEngineering and Rehabilitation, 2018, 15, 101.	4.6	42
7	Modifications of femoral component design in multi-radius total knee arthroplasty lead to higher lateral posterior femoro-tibial translation. Knee Surgery, Sports Traumatology, Arthroscopy, 2018, 26, 1645-1655.	4.2	37
8	The Capacity of Generic Musculoskeletal Simulations to Predict Knee Joint Loading Using the CAMS-Knee Datasets. Annals of Biomedical Engineering, 2020, 48, 1430-1440.	2.5	29
9	Tibio-Femoral Contact Force Distribution is Not the Only Factor Governing Pivot Location after Total Knee Arthroplasty. Scientific Reports, 2019, 9, 182.	3.3	10
10	European Society of Biomechanics S.M. Perren Award 2022: Standardized tibio-femoral implant loads and kinematics. Journal of Biomechanics, 2022, 141, 111171.	2.1	10
11	Weight Bearing Activities change the Pivot Position after Total Knee Arthroplasty. Scientific Reports, 2019, 9, 9148.	3.3	9
12	Retention of Posterior Cruciate Ligament Alone May Not Achieve Physiological Knee Joint Kinematics After Total Knee Arthroplasty. Journal of Bone and Joint Surgery - Series A, 2021, 103, 146-154.	3.0	6
13	Dynamic Knee Joint Line Orientation Is Not Predictive of Tibio-Femoral Load Distribution During Walking. Frontiers in Bioengineering and Biotechnology, 2021, 9, 754715.	4.1	5
14	Uncertainty in Muscle–Tendon Parameters can Greatly Influence the Accuracy of Knee Contact Force Estimates of Musculoskeletal Models. Frontiers in Bioengineering and Biotechnology, 0, 10, .	4.1	4
15	Towards planning of osteotomy around the knee with quantitative inclusion of the adduction moment: a biomechanical approach. Journal of Experimental Orthopaedics, 2021, 8, 39.	1.8	3
16	Patient-specific resurfacing implant knee surgery in subjects with early osteoarthritis results in medial pivot and lateral femoral rollback during flexion: a retrospective pilot study. Knee Surgery, Sports Traumatology, Arthroscopy, 2023, 31, 1247-1266.	4.2	3
17	Knieendoprothetik: Biomechanik des Kniegelenks. Springer Reference Medizin, 2021, , 1-18.	0.0	0