Hua Xin

List of Publications by Year
in descending order

10	121	1307594 7	1372567 10
papers	citations	h-index	g-index

10	10	10	117
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Concurrent prediction of ground reaction forces and moments and tibiofemoral contact forces during walking using musculoskeletal modelling. Medical Engineering and Physics, 2018, 52, 31-40.	1.7	25
2	Improved dispersion of SiC whisker in nano hydroxyapatite and effect of atmospheres on sintering of the SiC whisker reinforced nano hydroxyapatite composites. Materials Science and Engineering C, 2018, 91, 135-145.	7.3	20
3	The role of menisci in knee contact mechanics and secondary kinematics during human walking. Clinical Biomechanics, 2019, 61, 58-63.	1.2	18
4	Musculoskeletal multibody dynamics simulation of the contact mechanics and kinematics of a natural knee joint during a walking cycle. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2018, 232, 508-519.	1.8	17
5	Prediction of Cervical Spinal Joint Loading and Secondary Motion Using a Musculoskeletal Multibody Dynamics Model Via Force-Dependent Kinematics Approach. Spine, 2017, 42, E1403-E1409.	2.0	12
6	The Surface Characteristics, Microstructure and Mechanical Properties of PEEK Printed by Fused Deposition Modeling with Different Raster Angles. Polymers, 2022, 14, 77.	4.5	11
7	Prediction of in vivo lower cervical spinal loading using musculoskeletal multi-body dynamics model during the head flexion/extension, lateral bending and axial rotation. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2018, 232, 1071-1082.	1.8	8
8	Wear assessment of a Tiâ€“6Alâ€“4V motion-preserving porous artificial-cervical-joint fabricated by SLM after surface carburization. Ceramics International, 2022, 48, 26137-26146.	4.8	6
9	Numerical wear study of metalâ€onâ€ultrahigh molecular weight polyethyleneâ€based cervical total disc arthroplasty by coupling finite element analysis and multiâ€body dynamics. Biosurface and Biotribology, 2021, 7, 251-260.	1.5	3
10	Bioâ€tribological characterisation of ultraâ€high molecular weight polyethylene against different metal counterparts. Biosurface and Biotribology, 2022, 8, 140-149.	1.5	1