

Hua Xin

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

121
citations

1307594

7
h-index

1372567

10
g-index

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all docs

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docs citations

10
times ranked

117
citing authors

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