

Timothy P Holsgrove

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

272
citations

1163117

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h-index

940533

16
g-index

19
all docs

19
docs citations

19
times ranked

352
citing authors

#	ARTICLE	IF	CITATIONS
1	Cervical Spine Injuries: A Whole-Body Musculoskeletal Model for the Analysis of Spinal Loading. PLoS ONE, 2017, 12, e0169329.	2.5	62
2	Viscoelastic properties of biopolymer hydrogels determined by Brillouin spectroscopy: A probe of tissue micromechanics. Science Advances, 2020, 6, .	10.3	61
3	Development of a non-invasive diagnostic technique for acetabular component loosening in total hip replacements. Medical Engineering and Physics, 2015, 37, 739-745.	1.7	21
4	The Physiological Basis of Cervical Facet-Mediated Persistent Pain: Basic Science and Clinical Challenges. Journal of Orthopaedic and Sports Physical Therapy, 2017, 47, 450-461.	3.5	16
5	The development of a dynamic, six-axis spine simulator. Spine Journal, 2014, 14, 1308-1317.	1.3	15
6	The dynamic, six-axis stiffness matrix testing of porcine spinal specimens. Spine Journal, 2015, 15, 176-184.	1.3	15
7	Musculoskeletal modelling of the human cervical spine for the investigation of injury mechanisms during axial impacts. PLoS ONE, 2019, 14, e0216663.	2.5	13
8	Influence of testing environment and loading rate on intervertebral disc compressive mechanics: An assessment of repeatability at three different laboratories. JOR Spine, 2020, 3, e21110.	3.2	12
9	An investigation into axial impacts of the cervical spine using digital image correlation. Spine Journal, 2015, 15, 1856-1863.	1.3	11
10	Advanced Multi-Axis Spine Testing: Clinical Relevance and Research Recommendations. International Journal of Spine Surgery, 2015, 9, 34.	1.5	9
11	Non-invasive vibrometry-based diagnostic detection of acetabular cup loosening in total hip replacement (THR). Medical Engineering and Physics, 2017, 48, 188-195.	1.7	8
12	The application of physiological loading using a dynamic, multi-axis spine simulator. Medical Engineering and Physics, 2017, 41, 74-80.	1.7	6
13	The equivalence of multi-axis spine systems: Recommended stiffness limits using a standardized testing protocol. Journal of Biomechanics, 2018, 70, 59-66.	2.1	6
14	Cement Brand and Preparation Effects Cement-in-Cement Mantle Shear Strength. HIP International, 2015, 25, 67-71.	1.7	5
15	Pain After Whole-Body Vibration Exposure Is Frequency Dependent and Independent of the Resonant Frequency: Lessons From an In Vivo Rat Model. Journal of Biomechanical Engineering, 2020, 142, .	1.3	4
16	Upper Cervical Spine Loading Simulating a Dynamic Low-Speed Collision Significantly Increases the Risk of Pain Compared to Quasi-Static Loading With Equivalent Neck Kinematics. Journal of Biomechanical Engineering, 2016, 138, .	1.3	3
17	Distal stem features improve the torsional resistance of long-stem cemented revision hip stems: An in vitro biomechanical study. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2013, 227, 503-509.	1.8	2
18	Dynamic, six-axis stiffness matrix characteristics of the intact intervertebral disc and a disc replacement. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2015, 229, 769-777.	1.8	2

#	ARTICLE	IF	CITATIONS
19	Thunder road - whole-body vibration during road cycling, and the effect of different seatpost designs to minimise it. <i>Journal of Sports Sciences</i> , 2021, 39, 489-495.	2.0	1