Michael Raymond Hardisty

List of Publications by Year
in descending order

16	181	1307594	1125743
papers	citations	7	13
		h-index	g-index

18	18	18	226
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Detection of Low Back Physiotherapy Exercises With Inertial Sensors and Machine Learning: Algorithm Development and Validation. JMIR Rehabilitation and Assistive Technologies, 2022, 9, e38689.	2.2	2
2	Virtual reality as a learning tool in spinal anatomy and surgical techniques. North American Spine Society Journal (NASSJ), 2021, 6, 100063.	0.5	5
3	Spatial correspondence of spinal cord white matter tracts using diffusion tensor imaging, fibre tractography, and atlas-based segmentation. Neuroradiology, 2021, 63, 373-380.	2.2	6
4	A U-Net Based System forÂCranial Implant Design withÂPre-processing andÂLearned Implant Filtering. Lecture Notes in Computer Science, 2021, , 63-79.	1.3	5
5	CT based quantitative measures of the stability of fractured metastatically involved vertebrae treated with spine stereotactic body radiotherapy. Clinical and Experimental Metastasis, 2020, 37, 575-584.	3.3	3
6	Relationships between inhalable and total hexavalent chromium exposures in steel passivation, welding and electroplating operations of Ontario. International Journal of Hygiene and Environmental Health, 2020, 230, 113601.	4.3	5
7	Biomechanical Properties of Metastatically Involved Osteolytic Bone. Current Osteoporosis Reports, 2020, 18, 705-715.	3.6	3
8	Adherence Tracking With Smart Watches for Shoulder Physiotherapy in Rotator Cuff Pathology: Protocol for a Longitudinal Cohort Study. JMIR Research Protocols, 2020, 9, e17841.	1.0	12
9	Shape Completion by U-Net: An Approach to the AutoImplant MICCAI Cranial Implant Design Challenge. Lecture Notes in Computer Science, 2020, , 65-76.	1.3	7
10	Elevated Microdamage Spatially Correlates with Stress in Metastatic Vertebrae. Annals of Biomedical Engineering, 2019, 47, 980-989.	2.5	6
11	Shoulder physiotherapy exercise recognition: machine learning the inertial signals from a smartwatch. Physiological Measurement, 2018, 39, 075007.	2.1	64
12	Restoration of Thickness, Density, and Volume for Highly Blurred Thin Cortical Bones in Clinical CT Images. Annals of Biomedical Engineering, 2016, 44, 3359-3371.	2.5	8
13	Acetabular orientation: anatomical and functional measurement. International Journal of Computer Assisted Radiology and Surgery, 2012, 7, 233-240.	2.8	12
14	Importance of the dome and posterior wall as evidenced by bone density mapping in the acetabulum. Clinical Biomechanics, 2011, 26, 262-266.	1.2	13
15	Quantitative characterization of metastatic disease in the spine. Part II. Histogramâ€based analyses. Medical Physics, 2007, 34, 3279-3285.	3.0	27
16	Automated segmentation of osteoblastic vertebral metastasis: a radiomics approach. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 0, , 1-8.	1.9	0