Kyle Joseph Edmunds

List of Publications by Year
in descending order

17	347	932766 10	940134 16
papers	citations	h-index	g-index

17	17	17	301
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recovery from muscle weakness by exercise and FES: lessons from Masters, active or sedentary seniors and SCI patients. Aging Clinical and Experimental Research, 2017, 29, 579-590.	1.4	54
2	Quantitative Computed Tomography and image analysis for advanced muscle assessment. European Journal of Translational Myology, 2016, 26, 6015.	0.8	52
3	Advanced quantitative methods in correlating sarcopenic muscle degeneration with lower extremity function biometrics and comorbidities. PLoS ONE, 2018, 13, e0193241.	1.1	46
4	Machine learning predictive system based upon radiodensitometric distributions from mid-thigh CT images. European Journal of Translational Myology, 2020, 30, 121-124.	0.8	37
5	New Directions in 3D Medical Modeling: 3D-Printing Anatomy and Functions in Neurosurgical Planning. Journal of Healthcare Engineering, 2017, 2017, 1-8.	1.1	29
6	Nonlinear Trimodal Regression Analysis of Radiodensitometric Distributions to Quantify Sarcopenic and Sequelae Muscle Degeneration. Computational and Mathematical Methods in Medicine, 2016, 2016, 1-10.	0.7	23
7	Bone Mineral Density and Fracture Risk Assessment to Optimize Prosthesis Selection in Total Hip Replacement. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-7.	0.7	21
8	Cortical recruitment and functional dynamics in postural control adaptation and habituation during vibratory proprioceptive stimulation. Journal of Neural Engineering, 2019, 16, 026037.	1.8	18
9	Testing soft tissue radiodensity parameters interplay with age and self-reported physical activity. European Journal of Translational Myology, 2021, 31, .	0.8	17
10	Patient-specific mobility assessment to monitor recovery after total hip arthroplasty. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2018, 232, 1048-1059.	1.0	11
11	Improving planning and post-operative assessment for Total Hip Arthroplasty. European Journal of Translational Myology, 2015, 25, 101.	0.8	10
12	Machine Learning Algorithms Predict Body Mass Index Using Nonlinear Trimodal Regression Analysis from Computed Tomography Scans. IFMBE Proceedings, 2020, , 839-846.	0.2	8
13	Improving planning and post-operative assessment for Total Hip Arthroplasty. European Journal of Translational Myology, 2015, 25, 101.	0.8	7
14	Predicting body mass index and isometric leg strength using soft tissue distributions from computed tomography scans. Health and Technology, 2021, 11, 239-249.	2.1	6
15	CT-Based Bone and Muscle Assessment in Normal and Pathological Conditions. , 2019, , 119-134.		4
16	Low-Amplitude Craniofacial EMG Power Spectral Density and 3D Muscle Reconstruction from MRI. European Journal of Translational Myology, 2015, 25, 4886.	0.8	3
17	Multimodal Quantitative Assessment for Pre-operative Prosthesis Selection in Total Hip Arthroplasty. IFMBE Proceedings, 2016, , 709-714.	0.2	1