

Joy P Ku

List of Publications by Year in descending order

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17
papers

2,193
citations

687363

13
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

2746
citing authors

#	ARTICLE	IF	CITATIONS
1	Mobile Health: making the leap to research and clinics. <i>Npj Digital Medicine</i> , 2021, 4, 83.	10.9	17
2	Credible practice of modeling and simulation in healthcare: ten rules from a multidisciplinary perspective. <i>Journal of Translational Medicine</i> , 2020, 18, 369.	4.4	56
3	Reference data on in vitro anatomy and indentation response of tissue layers of musculoskeletal extremities. <i>Scientific Data</i> , 2020, 7, 20.	5.3	2
4	Perspectives on Sharing Models and Related Resources in Computational Biomechanics Research. <i>Journal of Biomechanical Engineering</i> , 2018, 140, .	1.3	16
5	OpenSim: Simulating musculoskeletal dynamics and neuromuscular control to study human and animal movement. <i>PLoS Computational Biology</i> , 2018, 14, e1006223.	3.2	735
6	Credibility, Replicability, and Reproducibility in Simulation for Biomedicine and Clinical Applications in Neuroscience. <i>Frontiers in Neuroinformatics</i> , 2018, 12, 18.	2.5	36
7	Reference data on thickness and mechanics of tissue layers and anthropometry of musculoskeletal extremities. <i>Scientific Data</i> , 2018, 5, 180193.	5.3	6
8	The mobilize center: an NIH big data to knowledge center to advance human movement research and improve mobility. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2015, 22, 1120-1125.	4.4	24
9	OpenMM 4: A Reusable, Extensible, Hardware Independent Library for High Performance Molecular Simulation. <i>Journal of Chemical Theory and Computation</i> , 2013, 9, 461-469.	5.3	583
10	Simbios: an NIH national center for physics-based simulation of biological structures. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2012, 19, 186-189.	4.4	9
11	Comparison of CFD and MRI Flow and Velocities in an In Vitro Large Artery Bypass Graft Model. <i>Annals of Biomedical Engineering</i> , 2005, 33, 257-269.	2.5	87
12	Internet-based system for simulation-based medical planning for cardiovascular disease. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2003, 7, 123-129.	3.2	24
13	In vivo validation of a one-dimensional finite-element method for predicting blood flow in cardiovascular bypass grafts. <i>IEEE Transactions on Biomedical Engineering</i> , 2003, 50, 649-656.	4.2	91
14	In Vivo Validation of Numerical Prediction of Blood Flow in Arterial Bypass Grafts. <i>Annals of Biomedical Engineering</i> , 2002, 30, 743-752.	2.5	71
15	Predictive Medicine: Computational Techniques in Therapeutic Decision-Making. <i>Computer Aided Surgery</i> , 1999, 4, 231-247.	1.8	223
16	Predictive medicine: Computational techniques in therapeutic decision-making. <i>Computer Aided Surgery</i> , 1999, 4, 231-247.	1.8	97
17	Predictive medicine: Computational techniques in therapeutic decision-making. <i>Computer Aided Surgery</i> , 1999, 4, 231-247.	1.8	116