Jason K Moore

List of Publications by Year
in descending order

14 papers	1,047 citations	1684188 5 h-index	1372567 10 g-index
20 all docs	20 docs citations	20 times ranked	1469 citing authors

#	Article	IF	Citations
1	SymPy: symbolic computing in Python. PeerJ Computer Science, 0, 3, e103.	4.5	830
2	An elaborate data set on human gait and the effect of mechanical perturbations. PeerJ, 2015, 3, e918.	2.0	68
3	Rider motion identification during normal bicycling byÂmeans of principal component analysis. Multibody System Dynamics, 2011, 25, 225-244.	2.7	61
4	Some Observations on Human Control of a Bicycle. , 2009, , .		13
5	Statistics of bicycle rider motion. Procedia Engineering, 2010, 2, 2937-2942.	1.2	13
6	Constrained Multibody Dynamics With Python: From Symbolic Equation Generation to Publication. , 2013, , .		13
7	A Method for Estimating Physical Properties of a Combined Bicycle and Rider. , 2009, , .		10
8	Rider control identification in bicycling using lateral force perturbation tests. Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics, 2013, 227, 390-406.	0.8	10
9	Predicting Bicycle Pavement Ride Quality: Sensor-Based Statistical Model. Journal of Infrastructure Systems, 2020, 26, .	1.8	6
10	Low-power, modular, wireless dynamic measurement of bicycle motion. Procedia Engineering, 2010, 2, 2949-2954.	1.2	5
11	Adaptive smartphone-based sensor fusion for estimating competitive rowing kinematic metrics. PLoS ONE, 2019, 14, e0225690.	2.5	4
12	opty: Software for trajectory optimization and parameter identification using direct collocation. Journal of Open Source Software, 2018, 3, 300.	4.6	3
13	skijumpdesign: A Ski Jump Design Tool for Specified Equivalent Fall Height. Journal of Open Source Software, 2018, 3, 818.	4.6	2
14	An object oriented implementation of the Yeadon human inertia model. F1000Research, 2014, 3, 223.	1.6	1