

Phillip L Wilson

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

119
citations

1684188

5
h-index

1281871

11
g-index

14
all docs

14
docs citations

14
times ranked

120
citing authors

#	ARTICLE	IF	CITATIONS
1	A Mathematical Model of the Metabolic and Perfusion Effects on Cortical Spreading Depression. PLoS ONE, 2013, 8, e70469.	2.5	52
2	Body-rock or lift-off in flow. Journal of Fluid Mechanics, 2013, 735, 91-119.	3.4	15
3	Fluid-body interactions: clashing, skimming, bouncing. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 3007-3024.	3.4	14
4	The geometry and dynamics of binary trees. Mathematics and Computers in Simulation, 2011, 81, 1464-1481.	4.4	12
5	A Spring-Dashpot System for Modelling Lung Tumour Motion in Radiotherapy. Computational and Mathematical Methods in Medicine, 2010, 11, 13-26.	1.3	7
6	Application of a spring-dashpot system to clinical lung tumor motion data. Medical Physics, 2013, 40, 021713.	3.0	5
7	Numerical study of flow structure and pedestrian-level wind comfort inside urban street canyons. Journal of the Royal Society of New Zealand, 2021, 51, 307-332.	1.9	5
8	The development of the turbulent flow in a bent pipe. Journal of Fluid Mechanics, 2007, 578, 467-494.	3.4	2
9	Bedrock reconstruction from free surface data for unidirectional glacier flow with basal slip. Acta Mechanica, 2021, 232, 305-322.	2.1	2
10	An augmented lagrangian algorithm for recovery of ice thickness in unidirectional flow using the shallow ice approximation. Applied Mathematical Modelling, 2022, 107, 650-669.	4.2	2
11	Compressible swirling flow through a significantly bent duct. Computers and Fluids, 2005, 34, 891-926.	2.5	1
12	Crafting connections in post-COVID classrooms: learning university mathematics through craft. International Journal of Mathematical Education in Science and Technology, 0, , 1-10.	1.4	1
13	Not so distinctively mathematical explanations: topology and dynamical systems. Synthese, 2022, 200, 1.	1.1	1
14	The right mistakes. Physics World, 2005, 18, 20-20.	0.0	0