

# Phillip L Wilson

## List of Publications by Year in descending order

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