

# Patrick Geoghegan

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

395  
citations

840585

11  
h-index

794469

19  
g-index

27  
all docs

27  
docs citations

27  
times ranked

396  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of rigid and flexible refractive-index-matched flow phantoms for flow visualisation and optical flow measurements. <i>Experiments in Fluids</i> , 2012, 52, 1331-1347.	1.1	73
2	A Review of Arterial Phantom Fabrication Methods for Flow Measurement Using PIV Techniques. <i>Annals of Biomedical Engineering</i> , 2018, 46, 1697-1721.	1.3	56
3	Time-resolved PIV measurements of the flow field in a stenosed, compliant arterial model. <i>Experiments in Fluids</i> , 2013, 54, 1.	1.1	30
4	Modelling nasal high flow therapy effects on upper airway resistance and resistive work of breathing. <i>Respiratory Physiology and Neurobiology</i> , 2018, 254, 23-29.	0.7	24
5	A PIV COMPARISON OF THE FLOW FIELD AND WALL SHEAR STRESS IN RIGID AND COMPLIANT MODELS OF HEALTHY CAROTID ARTERIES. <i>Journal of Mechanics in Medicine and Biology</i> , 2017, 17, 1750041.	0.3	23
6	An Experimental and Numerical Investigation of CO2 Distribution in the Upper Airways During Nasal High Flow Therapy. <i>Annals of Biomedical Engineering</i> , 2016, 44, 3007-3019.	1.3	22
7	A Novel Fabrication Method for Compliant Silicone Phantoms of Arterial Geometry for Use in Particle Image Velocimetry of Haemodynamics. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3811.	1.3	20
8	Evaluation of a Desktop 3D Printed Rigid Refractive-Indexed-Matched Flow Phantom for PIV Measurements on Cerebral Aneurysms. <i>Cardiovascular Engineering and Technology</i> , 2020, 11, 14-23.	0.7	20
9	An efficient, self-orienting, vertical-array, sand trap. <i>Aeolian Research</i> , 2017, 25, 11-21.	1.1	18
10	Experimental investigation of the mechanical properties of brain simulants used for cranial gunshot simulation. <i>Forensic Science International</i> , 2014, 239, 73-78.	1.3	15
11	Fabrication of a compliant phantom of the human aortic arch for use in Particle Image Velocimetry (PIV) experimentation. <i>Current Directions in Biomedical Engineering</i> , 2016, 2, 493-497.	0.2	15
12	Application of a meta-analysis of aortic geometry to the generation of a compliant phantom for use in particle image velocimetry experimentation. <i>IFAC-PapersOnLine</i> , 2015, 48, 407-412.	0.5	13
13	Experimental measurement of breath exit velocity and expired bloodstain patterns produced under different exhalation mechanisms. <i>International Journal of Legal Medicine</i> , 2017, 131, 1193-1201.	1.2	9
14	Regressive cross-correlation of pressure signals in the region of stenosis: Insights from particle image velocimetry experimentation. <i>Biomedical Signal Processing and Control</i> , 2017, 32, 143-149.	3.5	7
15	Visualization of the air ejected from the temporary cavity in brain and tissue simulants during gunshot wounding. <i>Forensic Science International</i> , 2015, 246, 104-109.	1.3	6
16	A response to Marquis et al. (2017) What is the error margin of your signature analysis?. <i>Forensic Science International</i> , 2018, 287, e11-e12.	1.3	6
17	Rheometry based on free surface velocity. <i>Inverse Problems in Science and Engineering</i> , 2019, 27, 689-709.	1.2	6
18	Review of the Development of Hemodynamic Modeling Techniques to Capture Flow Behavior in Arteries Affected by Aneurysm, Atherosclerosis, and Stenting. <i>Journal of Biomechanical Engineering</i> , 2022, 144, .	0.6	6

#	ARTICLE	IF	CITATIONS
19	Vacuous standards “ Subversion of the OSAC standards-development process. Forensic Science International (Online), 2020, 2, 206-209.	0.6	5
20	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.	1.0	5
21	Experimental and computational investigation of the trajectories of blood drops ejected from the nose. International Journal of Legal Medicine, 2016, 130, 563-568.	1.2	4
22	In-vitro particle image velocimetry assessment of the endovascular haemodynamic features distal of stent-grafts that are associated with development of limb occlusion. Journal of the Royal Society of New Zealand, 2021, 51, 361-374.	1.0	3
23	In vitro pulsatile flow study in compliant and rigid ascending aorta phantoms by stereo particle image velocimetry. Medical Engineering and Physics, 2021, 96, 81-90.	0.8	3
24	Effect of Pulsatility on the Transport of Thrombin in an Idealized Cerebral Aneurysm Geometry. Symmetry, 2022, 14, 133.	1.1	3
25	Reply to Response to Vacuous standards “ Subversion of the OSAC standards-development process. Forensic Science International (Online), 2021, 3, 100149.	0.6	2
26	PIV Analysis of Stented Haemodynamics in the Descending Aorta. , 2019, 2019, 4737-4740.		1
27	Respiratory airway resistance monitoring in mechanically ventilated patients. , 2012, , .		0