Patrick Geoghegan

List of Publications by Year
in descending order

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	Review of the Development of Hemodynamic Modeling Techniques to Capture Flow Behavior in Arteries Affected by Aneurysm, Atherosclerosis, and Stenting. Journal of Biomechanical Engineering, 2022, 144, .	0.6	6
2	Effect of Pulsatility on the Transport of Thrombin in an Idealized Cerebral Aneurysm Geometry. Symmetry, 2022, 14, 133.	1.1	3
3	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
4	Reply to Response to Vacuous standards â€“ Subversion of the OSAC standards-development process. Forensic Science International (Online), 2021, 3, 100149.	0.6	2
5	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
6	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
7	Evaluation of a Desktop 3D Printed Rigid Refractive-Indexed-Matched Flow Phantom for PIV Measurements on Cerebral Aneurysms. Cardiovascular Engineering and Technology, 2020, 11, 14-23.	0.7	20
8	Vacuous standards â€“ Subversion of the OSAC standards-development process. Forensic Science International (Online), 2020, 2, 206-209.	0.6	5
9	A Novel Fabrication Method for Compliant Silicone Phantoms of Arterial Geometry for Use in Particle Image Velocimetry of Haemodynamics. Applied Sciences (Switzerland), 2019, 9, 3811.	1.3	20
10	PIV Analysis of Stented Haemodynamics in the Descending Aorta. , 2019, 2019, 4737-4740.		1
11	Rheometry based on free surface velocity. Inverse Problems in Science and Engineering, 2019, 27, 689-709.	1.2	6
12	Modelling nasal high flow therapy effects on upper airway resistance and resistive work of breathing. Respiratory Physiology and Neurobiology, 2018, 254, 23-29.	0.7	24
13	A response to Marquis et al. (2017) What is the error margin of your signature analysis?. Forensic Science International, 2018, 287, e11-e12.	1.3	6
14	A Review of Arterial Phantom Fabrication Methods for Flow Measurement Using PIV Techniques. Annals of Biomedical Engineering, 2018, 46, 1697-1721.	1.3	56
15	Experimental measurement of breath exit velocity and expirated bloodstain patterns produced under different exhalation mechanisms. International Journal of Legal Medicine, 2017, 131, 1193-1201.	1.2	9
16	An efficient, self-orienting, vertical-array, sand trap. Aeolian Research, 2017, 25, 11-21.	1.1	18
17	A PIV COMPARISON OF THE FLOW FIELD AND WALL SHEAR STRESS IN RIGID AND COMPLIANT MODELS OF HEALTHY CAROTID ARTERIES. Journal of Mechanics in Medicine and Biology, 2017, 17, 1750041.	0.3	23
18	Regressive cross-correlation of pressure signals in the region of stenosis: Insights from particle image velocimetry experimentation. Biomedical Signal Processing and Control, 2017, 32, 143-149.	3.5	7

#	Article	IF	Citations
19	Fabrication of a compliant phantom of the human aortic arch for use in Particle Image Velocimetry (PIV) experimentation. Current Directions in Biomedical Engineering, 2016, 2, 493-497.	0.2	15
20	An Experimental and Numerical Investigation of CO2 Distribution in the Upper Airways During Nasal High Flow Therapy. Annals of Biomedical Engineering, 2016, 44, 3007-3019.	1.3	22
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	Application of a meta-analysis of aortic geometry to the generation of a compliant phantom for use in particle image velocimetry experimentation. IFAC-PapersOnLine, 2015, 48, 407-412.	0.5	13
23	Visualization of the air ejected from the temporary cavity in brain and tissue simulants during gunshot wounding. Forensic Science International, 2015, 246, 104-109.	1.3	6
24	Experimental investigation of the mechanical properties of brain simulants used for cranial gunshot simulation. Forensic Science International, 2014, 239, 73-78.	1.3	15
25	Time-resolved PIV measurements of the flow field in a stenosed, compliant arterial model. Experiments in Fluids, 2013, 54, 1.	1.1	30
26	Respiratory airway resistance monitoring in mechanically ventilated patients. , 2012, , .		0
27	Fabrication of rigid and flexible refractive-index-matched flow phantoms for flow visualisation and optical flow measurements. Experiments in Fluids, 2012, 52, 1331-1347.	1.1	73