Orestis Vardoulis

List of Publications by Year
in descending order

21	1,832	840776 11	839539 18
papers	citations	h-index	g-index

21	21	21	3079
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An integrated self-healable electronic skin system fabricated via dynamic reconstruction of a nanostructured conducting network. Nature Nanotechnology, 2018, 13, 1057-1065.	31.5	736
2	A hierarchically patterned, bioinspired e-skin able to detect the direction of applied pressure for robotics. Science Robotics, 2018, 3, .	17.6	568
3	A Highly Stretchable and Selfâ€Healing Supramolecular Elastomer Based on Sliding Crosslinks and Hydrogen Bonds. Advanced Functional Materials, 2020, 30, 1907139.	14.9	165
4	Validation of a novel and existing algorithms for the estimation of pulse transit time: advancing the accuracy in pulse wave velocity measurement. American Journal of Physiology - Heart and Circulatory Physiology, 2013, 304, H1558-H1567.	3.2	52
5	Impact of Aortic Grafts on Arterial Pressure: A Computational Fluid Dynamics Study. European Journal of Vascular and Endovascular Surgery, 2011, 42, 704-710.	1.5	51
6	3D simulation of the aqueous flow in the human eye. Medical Engineering and Physics, 2012, 34, 1462-1470.	1.7	51
7	Modular and Reconfigurable Stretchable Electronic Systems. Advanced Materials Technologies, 2019, 4, 1800417.	5.8	42
8	On the Estimation of Total Arterial Compliance from Aortic Pulse Wave Velocity. Annals of Biomedical Engineering, 2012, 40, 2619-2626.	2.5	30
9	Single breath-hold 3D measurement of left atrial volume using compressed sensing cardiovascular magnetic resonance and a non-model-based reconstruction approach. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 47.	3.3	22
10	The â€œsystolic volume balanceâ€•method for the noninvasive estimation of cardiac output based on pressure wave analysis. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 302, H2064-H2073.	3.2	21
11	Total arterial compliance estimated by a novel method and all-cause mortality in the elderly: the PROTEGER study. Age, 2014, 36, 9661.	3.0	19
12	In vivo evaluation of a novel, wrist-mounted arterial pressure sensing device versus the traditional hand-held tonometer. Medical Engineering and Physics, 2016, 38, 1063-1069.	1.7	12
13	Cardiovascular morphometry with high-resolution 3D magnetic resonance: First application to left ventricle diastolic dysfunction. Medical Engineering and Physics, 2017, 47, 64-71.	1.7	12
14	Generic and patient-specific models of the arterial tree. Journal of Clinical Monitoring and Computing, 2012, 26, 375-382.	1.6	11
15	Improved Variational Denoising of Flow Fields with Application to Phase-Contrast MRI Data. IEEE Signal Processing Letters, 2015, 22, 762-766.	3.6	11
16	First in vivo application and evaluation of a novel method for non-invasive estimation of cardiac output. Medical Engineering and Physics, 2014, 36, 1352-1357.	1.7	10
17	Validation of Algorithms for the Estimation of Pulse Transit Time: Where do We Stand Today?. Annals of Biomedical Engineering, 2014, 42, 1143-1144.	2.5	8
18	In vivo evaluation of a novel â€˜diastole-patchingâ€™ algorithm for the estimation of pulse transit time: advancing the precision in pulse wave velocity measurement. Physiological Measurement, 2015, 36, 149-161.	2.1	6

#	Article	IF	Citations
19	Spatio-temporal regularization of flow-fields. , 2013, , .		5
20	A New Pulse Contour Analysis for Cardiac Output Estimation: The Systolic Volume Balance Method. , 2012, , .		0
21	Assessment of Aortic Graft Impact on Hemodynamics. , 2011, , .		0