

# James N Warnock

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

24  
papers

729  
citations

13  
h-index

27  
g-index

27  
ext. papers

866  
ext. citations

6.6  
avg, IF

3.85  
L-index

#	Paper	IF	Citations
24	Bioinspired ultra-low fouling coatings on medical devices to prevent device-associated infections and thrombosis. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 608, 1015-1024	9.3	5
23	Fabrication of Bacteria- and Blood-Repellent Superhydrophobic Polyurethane Sponge Materials. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 51160-51173	9.5	17
22	Mechanosensation of cyclical force by PIEZO1 is essential for innate immunity. <i>Nature</i> , <b>2019</b> , 573, 69-74	50.4	151
21	Left Ventricular Hemodynamics with an Implanted Assist Device: An In Vitro Fluid Dynamics Study. <i>Annals of Biomedical Engineering</i> , <b>2019</b> , 47, 1799-1814	4.7	6
20	Quantitative Characterization of Aortic Valve Endothelial Cell Viability and Morphology In Situ Under Cyclic Stretch. <i>Cardiovascular Engineering and Technology</i> , <b>2019</b> , 10, 173-180	2.2	3
19	Case study: use of problem-based learning to develop students' technical and professional skills. <i>European Journal of Engineering Education</i> , <b>2016</b> , 41, 142-153	1.5	31
18	Cyclic pressure and angiotensin II influence the biomechanical properties of aortic valves. <i>Journal of Biomechanical Engineering</i> , <b>2014</b> , 136, 011011	2.1	4
17	Side-specific characterization of aortic valve endothelial cell adhesion molecules under cyclic strain. <i>Journal of Heart Valve Disease</i> , <b>2013</b> , 22, 631-9		6
16	Live en face imaging of aortic valve leaflets under mechanical stress. <i>Biomechanics and Modeling in Mechanobiology</i> , <b>2012</b> , 11, 355-61	3.8	13
15	Gasoline-range hydrocarbon production using biomass derived synthesis gas over Mo/H+ZSM-5. <i>Fuel</i> , <b>2012</b> , 96, 239-249	7.1	12
14	Gene Profiling of Aortic Valve Interstitial Cells under Elevated Pressure Conditions: Modulation of Inflammatory Gene Networks. <i>International Journal of Inflammation</i> , <b>2011</b> , 2011, 176412	6.4	15
13	Cyclic strain inhibits acute pro-inflammatory gene expression in aortic valve interstitial cells. <i>Biomechanics and Modeling in Mechanobiology</i> , <b>2010</b> , 9, 117-25	3.8	34
12	Vasoactive agents alter the biomechanical properties of aortic heart valve leaflets in a time-dependent manner. <i>Journal of Heart Valve Disease</i> , <b>2010</b> , 19, 86-95; discussion 96		5
11	Mechanobiology of the aortic heart valve. <i>Journal of Heart Valve Disease</i> , <b>2008</b> , 17, 62-73		115
10	Influence of hydrostatic and distortional stress on chondroinduction. <i>Biorheology</i> , <b>2008</b> , 45, 479-86	1.7	5
9	Evaluation of porcine aortic valve interstitial cell activity using different serum types in two- and three-dimensional culture. <i>Tissue Engineering</i> , <b>2007</b> , 13, 343-9		3
8	Bioreactor systems for the production of biopharmaceuticals from animal cells. <i>Biotechnology and Applied Biochemistry</i> , <b>2006</b> , 45, 1-12	2.8	81

7	Cell culture processes for the production of viral vectors for gene therapy purposes. <i>Cytotechnology</i> , <b>2006</b> , 50, 141-62	2.2	18
6	Differential immediate-early gene responses to elevated pressure in porcine aortic valve interstitial cells. <i>Journal of Heart Valve Disease</i> , <b>2006</b> , 15, 34-41; discussion 42		19
5	Cyclic aortic pressure affects the biological properties of porcine pulmonary valve leaflets. <i>Journal of Heart Valve Disease</i> , <b>2006</b> , 15, 295-302		7
4	Structural characterization of the chordae tendineae in native porcine mitral valves. <i>Annals of Thoracic Surgery</i> , <b>2005</b> , 80, 189-97	2.7	39
3	Normal physiological conditions maintain the biological characteristics of porcine aortic heart valves: an ex vivo organ culture study. <i>Annals of Biomedical Engineering</i> , <b>2005</b> , 33, 1158-66	4.7	27
2	Effects of constant static pressure on the biological properties of porcine aortic valve leaflets. <i>Annals of Biomedical Engineering</i> , <b>2004</b> , 32, 555-62	4.7	41
1	Cyclic pressure affects the biological properties of porcine aortic valve leaflets in a magnitude and frequency dependent manner. <i>Annals of Biomedical Engineering</i> , <b>2004</b> , 32, 1461-70	4.7	69