

# Jaques S Milner

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

1,510  
citations

567144

15  
h-index

794469

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

1705  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimizing finite element predictions of local subchondral bone structural stiffness using neural network-derived density-modulus relationships for proximal tibial subchondral cortical and trabecular bone. <i>Clinical Biomechanics</i> , 2017, 41, 1-8.	0.5	18
2	Finite-Element Analysis of Bone Stresses on Primary Impact in a Large-Animal Model: The Distal End of the Equine Third Metacarpal. <i>PLoS ONE</i> , 2016, 11, e0159541.	1.1	19
3	Practical fabrication of microfluidic platforms for live-cell microscopy. <i>Biomedical Microdevices</i> , 2016, 18, 78.	1.4	5
4	Prediction of local proximal tibial subchondral bone structural stiffness using subject-specific finite element modeling: Effect of selected densityâ€“modulus relationship. <i>Clinical Biomechanics</i> , 2015, 30, 703-712.	0.5	21
5	Assessing the Local Mechanical Environment in Medial Opening Wedge High Tibial Osteotomy Using Finite Element Analysis. <i>Journal of Biomechanical Engineering</i> , 2015, 137, .	0.6	15
6	Surface extraction can provide a reference for micro-CT analysis of retrieved total knee implants. <i>Knee</i> , 2014, 21, 801-805.	0.8	10
7	In Vitro Shear Stress Measurements Using Particle Image Velocimetry in a Family of Carotid Artery Models: Effect of Stenosis Severity, Plaque Eccentricity, and Ulceration. <i>PLoS ONE</i> , 2014, 9, e98209.	1.1	27
8	Quantification of in vivo implant wear in total knee replacement from dynamic single plane radiography. <i>Physics in Medicine and Biology</i> , 2013, 58, 2751-2767.	1.6	8
9	Manufacturing lot affects polyethylene tibial insert volume, thickness, and surface geometry. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2013, 227, 884-889.	1.0	10
10	Finite-Element Modeling of Viscoelastic Cells During High-Frequency Cyclic Strain. <i>Journal of Functional Biomaterials</i> , 2012, 3, 209-224.	1.8	33
11	Subchondral cysts create increased intra-osseous stress in early knee OA: A finite element analysis using simulated lesions. <i>Bone</i> , 2011, 48, 639-646.	1.4	57
12	Determination of Reference Geometry for Polyethylene Tibial Insert Wear Analysis. <i>Journal of Arthroplasty</i> , 2011, 26, 497-503.	1.5	21
13	The effect of the densityâ€“modulus relationship selected to apply material properties in a finite element model of long bone. <i>Journal of Biomechanics</i> , 2008, 41, 3171-3176.	0.9	72
14	PIV-Measured Versus CFD-Predicted Flow Dynamics in Anatomically Realistic Cerebral Aneurysm Models. <i>Journal of Biomechanical Engineering</i> , 2008, 130, 021015.	0.6	173
15	Variation in the Carotid Bifurcation Geometry of Young Versus Older Adults. <i>Stroke</i> , 2005, 36, 2450-2456.	1.0	212
16	Reproducibility of Image-Based Computational Fluid Dynamics Models of the Human Carotid Bifurcation. <i>Annals of Biomedical Engineering</i> , 2003, 31, 132-141.	1.3	84
17	Image-based computational simulation of flow dynamics in a giant intracranial aneurysm. <i>American Journal of Neuroradiology</i> , 2003, 24, 559-66.	1.2	258
18	Reconstruction of carotid bifurcation hemodynamics and wall thickness using computational fluid dynamics and MRI. <i>Magnetic Resonance in Medicine</i> , 2002, 47, 149-159.	1.9	226

#	ARTICLE	IF	CITATIONS
19	Hemodynamics of human carotid artery bifurcations: Computational studies with models reconstructed from magnetic resonance imaging of normal subjects. <i>Journal of Vascular Surgery</i> , 1998, 28, 143-156.	0.6	241