

James S Bell

List of Publications by Year in descending order

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16
papers

567
citations

1040056

9
h-index

1058476

14
g-index

16
all docs

16
docs citations

16
times ranked

1065
citing authors

#	ARTICLE	IF	CITATIONS
1	The mechanical properties of human adipose tissues and their relationships to the structure and composition of the extracellular matrix. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013, 305, E1427-E1435.	3.5	200
2	The structure and micromechanics of elastic tissue. <i>Interface Focus</i> , 2014, 4, 20130058.	3.0	94
3	Three-dimensional arrangement of elastic fibers in the human corneal stroma. <i>Experimental Eye Research</i> , 2016, 146, 43-53.	2.6	61
4	The hierarchical response of human corneal collagen to load. <i>Acta Biomaterialia</i> , 2018, 65, 216-225.	8.3	55
5	The micromechanics of the superficial zone of articular cartilage. <i>Osteoarthritis and Cartilage</i> , 2015, 23, 1806-1816.	1.3	35
6	The Structural Role of Elastic Fibers in the Cornea Investigated Using a Mouse Model for Marfan Syndrome , 2017, 58, 2106.		28
7	Novel hemodynamic structures in the human glomerulus. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, F1370-F1384.	2.7	25
8	Micromechanical response of articular cartilage to tensile load measured using nonlinear microscopy. <i>Acta Biomaterialia</i> , 2014, 10, 2574-2581.	8.3	17
9	The structural response of the cornea to changes in stromal hydration. <i>Journal of the Royal Society Interface</i> , 2017, 14, 20170062.	3.4	15
10	Modeling the steady-state deformation of the solid phase of articular cartilage. <i>Biomaterials</i> , 2009, 30, 6394-6401.	11.4	13
11	SAXS4COLL: an integrated software tool for analysing fibrous collagen-based tissues. <i>Journal of Applied Crystallography</i> , 2017, 50, 1235-1240.	4.5	9
12	Tropocollagen springs allow collagen fibrils to stretch elastically. <i>Acta Biomaterialia</i> , 2022, 142, 185-193.	8.3	6
13	Inexact Bayesian point pattern matching for linear transformations. <i>Pattern Recognition</i> , 2014, 47, 3265-3275.	8.1	5
14	Microstructural Characterization of Resistance Artery Remodelling in Diabetes Mellitus. <i>Journal of Vascular Research</i> , 2022, 59, 50-60.	1.4	3
15	X-Ray Diffraction Imaging of Corneal Ultrastructure. <i>Methods in Molecular Biology</i> , 2020, 2145, 231-247.	0.9	1
16	BOWMAN'S CAPSULE CORRECTED: UNDISCOVERED VASCULAR CHAMBERS IN THE RENAL GLOMERULUS. <i>FASEB Journal</i> , 2018, 32, .	0.5	0