Jonathan W Bourne

List of Publications by Year
in descending order

11 papers	287 citations	1477746 6 h-index	1588620 8 g-index
11 all docs	11 docs citations	11 times ranked	409 citing authors

#	Article	IF	Citations
1	A new paradigm for mechanobiological mechanisms in tumor metastasis. Seminars in Cancer Biology, 2012, 22, 385-395.	4.3	68
2	Deep Tissue Injury in Development of Pressure Ulcers: A Decrease of Inflammasome Activation and Changes in Human Skin Morphology in Response to Aging and Mechanical Load. PLoS ONE, 2013, 8, e69223.	1.1	63
3	Deformation-Dependent Enzyme Mechanokinetic Cleavage of Type I Collagen. Journal of Biomechanical Engineering, 2009, 131, 051004.	0.6	55
4	Glycation cross-linking induced mechanicalâ€“enzymatic cleavage of microscale tendon fibers. Matrix Biology, 2014, 34, 179-184.	1.5	40
5	Mutational data integration in gene-oriented files of the Hermansky-Pudlak Syndrome database. Human Mutation, 2006, 27, 402-407.	1.1	36
6	Molecular simulations predict novel collagen conformations during cross-link loading. Matrix Biology, 2011, 30, 356-360.	1.5	21
7	The photodynamics of the [Ru(bpy)3]2+ ion dopant in a solvent exposed silica solâ€“gel thin film. Journal of Sol-Gel Science and Technology, 2007, 43, 259-268.	1.1	3
8	Collagen peptide simulated bending after applied axial deformation. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 108, 103835.	1.5	1
9	Collagen Molecular Conformation Exhibits Strain-Rate Dependent Response to Axial Deformation in Silico. , 2009, , .		0
10	In Silico Molecular Modeling of Collagen Crosslink Loading. , 2011, , .		0
11	Covalent Cross-Linking Accelerates Collagen Enzyme Mechano-Kinetic Cleavage: Nanomechanics Predicts Microscale Behavior. , 2012, , .		0