

Jonathan W Bourne

List of Publications by Year in descending order

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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	Collagen peptide simulated bending after applied axial deformation. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 108, 103835.	1.5	1
2	Glycation cross-linking induced mechanicalâ€“enzymatic cleavage of microscale tendon fibers. Matrix Biology, 2014, 34, 179-184.	1.5	40
3	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
4	A new paradigm for mechanobiological mechanisms in tumor metastasis. Seminars in Cancer Biology, 2012, 22, 385-395.	4.3	68
5	Covalent Cross-Linking Accelerates Collagen Enzyme Mechano-Kinetic Cleavage: Nanomechanics Predicts Microscale Behavior. , 2012, , .		0
6	Molecular simulations predict novel collagen conformations during cross-link loading. Matrix Biology, 2011, 30, 356-360.	1.5	21
7	In Silico Molecular Modeling of Collagen Crosslink Loading. , 2011, , .		0
8	Deformation-Dependent Enzyme Mechanokinetic Cleavage of Type I Collagen. Journal of Biomechanical Engineering, 2009, 131, 051004.	0.6	55
9	Collagen Molecular Conformation Exhibits Strain-Rate Dependent Response to Axial Deformation in Silico. , 2009, , .		0
10	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
11	Mutational data integration in gene-oriented files of the Hermansky-Pudlak Syndrome database. Human Mutation, 2006, 27, 402-407.	1.1	36