

Jonathan W Bourne

List of Publications by Year in descending order

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11
papers

287
citations

1478505

6
h-index

1588992

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. <i>Seminars in Cancer Biology</i> , 2012, 22, 385-395.	9.6	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. <i>PLoS ONE</i> , 2013, 8, e69223.	2.5	63
3	Deformation-Dependent Enzyme Mechanokinetic Cleavage of Type I Collagen. <i>Journal of Biomechanical Engineering</i> , 2009, 131, 051004.	1.3	55
4	Glycation cross-linking induced mechanicalâ€“enzymatic cleavage of microscale tendon fibers. <i>Matrix Biology</i> , 2014, 34, 179-184.	3.6	40
5	Mutational data integration in gene-oriented files of the Hermansky-Pudlak Syndrome database. <i>Human Mutation</i> , 2006, 27, 402-407.	2.5	36
6	Molecular simulations predict novel collagen conformations during cross-link loading. <i>Matrix Biology</i> , 2011, 30, 356-360.	3.6	21
7	The photodynamics of the [Ru(bpy)3]2+ ion dopant in a solvent exposed silica solâ€“gel thin film. <i>Journal of Sol-Gel Science and Technology</i> , 2007, 43, 259-268.	2.4	3
8	Collagen peptide simulated bending after applied axial deformation. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 108, 103835.	3.1	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