

Andrew P Baumann

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

125
citations

1307594

7
h-index

1372567

10
g-index

11
all docs

11
docs citations

11
times ranked

209
citing authors

#	ARTICLE	IF	CITATIONS
1	FDA public workshop: Orthopaedic sensing, measuring, and advanced reporting technology (SMART) devices. <i>Journal of Orthopaedic Research</i> , 2021, 39, 22-29.	2.3	10
2	Assessing the use of finite element analysis for mechanical performance evaluation of intervertebral body fusion devices. <i>JOR Spine</i> , 2021, 4, e1137.	3.2	10
3	Characterizing loads at transfemoral osseointegrated implants. <i>Medical Engineering and Physics</i> , 2020, 84, 103-114.	1.7	8
4	Verification, Validation, and Uncertainty Quantification of Spinal Rod Computational Models Under Three-Point Bending. <i>Journal of Verification, Validation and Uncertainty Quantification</i> , 2020, 5, .	0.4	4
5	The fracture toughness of small animal cortical bone measured using arc-shaped tension specimens: Effects of bisphosphonate and deproteinization treatments. <i>Bone</i> , 2017, 105, 67-74.	2.9	4
6	Modeling the dynamics of tamponade multicomponent gases during retina reattachment surgery. <i>AICHE Journal</i> , 2017, 63, 3651-3662.	3.6	5
7	The sensitivity of nonlinear computational models of trabecular bone to tissue level constitutive model. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2016, 19, 465-473.	1.6	13
8	Development of an in vivo rabbit ulnar loading model. <i>Bone</i> , 2015, 75, 55-61.	2.9	21
9	Fatigue microcracks that initiate fracture are located near elevated intracortical porosity but not elevated mineralization. <i>Journal of Biomechanics</i> , 2014, 47, 3135-3142.	2.1	32
10	The relative influence of apatite crystal orientations and intracortical porosity on the elastic anisotropy of human cortical bone. <i>Journal of Biomechanics</i> , 2012, 45, 2743-2749.	2.1	18