

Saeid Samiezadeh

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

300
citations

933447

10
h-index

996975

15
g-index

16
all docs

16
docs citations

16
times ranked

350
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomechanical Response under Stress-Controlled Tension-Tension Fatigue of a Novel Carbon Fiber/Epoxy Intramedullary Nail for Femur Fractures. <i>Medical Engineering and Physics</i> , 2020, 80, 26-32.	1.7	3
2	Rotating hinge knee causes lower bone-implant interface stress compared to constrained condylar knee replacement. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2019, 27, 1224-1231.	4.2	17
3	Elevated Microdamage Spatially Correlates with Stress in Metastatic Vertebrae. <i>Annals of Biomedical Engineering</i> , 2019, 47, 980-989.	2.5	6
4	Analysis of extension-twist coupling of thick-walled composite circular tubes. <i>Journal of Composite Materials</i> , 2017, 51, 3779-3790.	2.4	1
5	Biomechanical analysis using FEA and experiments of a standard plate method versus three cable methods for fixing acetabular fractures with simultaneous THA. <i>Medical Engineering and Physics</i> , 2017, 46, 71-78.	1.7	13
6	Biomechanical optimization of the angle and position for surgical implantation of a straight short stem hip implant. <i>Medical Engineering and Physics</i> , 2017, 39, 23-30.	1.7	6
7	The biomechanical effect of anteversion and modular neck offset on stress shielding for short-stem versus conventional long-stem hip implants. <i>Medical Engineering and Physics</i> , 2016, 38, 232-240.	1.7	31
8	Biomechanical properties of a structurally optimized carbon-fibre/epoxy intramedullary nail for femoral shaft fracture fixation. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 56, 87-97.	3.1	8
9	Long-term response of femoral density to hip implant and bone fracture plate: Computational study using a mechano-biochemical model. <i>Medical Engineering and Physics</i> , 2016, 38, 171-180.	1.7	11
10	An Effective Approach for Optimization of a Composite Intramedullary Nail for Treating Femoral Shaft Fractures. <i>Journal of Biomechanical Engineering</i> , 2015, 137, 121001.	1.3	8
11	QCT-based failure analysis of proximal femurs under various loading orientations. <i>Medical and Biological Engineering and Computing</i> , 2015, 53, 477-486.	2.8	11
12	On optimization of a composite bone plate using the selective stress shielding approach. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015, 42, 138-153.	3.1	35
13	Investigating stress shielding spanned by biomimetic polymer-composite vs. metallic hip stem: A computational study using mechano-biochemical model. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015, 41, 56-67.	3.1	21
14	Effect of Patellar Thickness on Knee Flexion in Total Knee Arthroplasty: A Biomechanical and Experimental Study. <i>Journal of Arthroplasty</i> , 2014, 29, 80-84.	3.1	35
15	Biomechanical assessment of composite versus metallic intramedullary nailing system in femoral shaft fractures: A finite element study. <i>Clinical Biomechanics</i> , 2014, 29, 803-810.	1.2	49
16	Displacement of the Hip Center of Rotation After Arthroplasty of Crowe III and IV Dysplasia: A Radiological and Biomechanical Study. <i>Journal of Arthroplasty</i> , 2013, 28, 1031-1035.	3.1	45