

Ata Hashemi

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

349
citations

1040056

9
h-index

839539

18
g-index

26
all docs

26
docs citations

26
times ranked

496
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of crack length and anatomical location on the fracture toughness of annulus fibrosus. <i>Medical Engineering and Physics</i> , 2021, 88, 1-8.	1.7	1
2	Homogenized finite element models can accurately predict screw pull-out in continuum materials, but not in porous materials. <i>Computer Methods and Programs in Biomedicine</i> , 2021, 202, 105966.	4.7	11
3	New Biomechanical Approach for Evaluation of Spinal Pedicle Screw Fixation Stability. <i>Journal of Medical and Biological Engineering</i> , 2021, 41, 447-455.	1.8	4
4	Effect of hinge length on the lateral cortex fracture in high tibia osteotomy: an XFEM study. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2021, , 1-9.	1.6	1
5	The effect of 3D printing on the morphological and mechanical properties of polycaprolactone filament and scaffold. <i>Polymers for Advanced Technologies</i> , 2020, 31, 1038-1046.	3.2	28
6	DOES PEEK DENTAL IMPLANT HAVE THERMAL ADVANTAGE OVER ZIRCONIA OR TITANIUM IMPLANTS?. <i>Journal of Mechanics in Medicine and Biology</i> , 2020, 20, 2050005.	0.7	2
7	Effect of geometric dimensions and material models of the periodontal ligament in orthodontic tooth movement. <i>Orthodontics and Craniofacial Research</i> , 2020, 23, 404-412.	2.8	6
8	Dynamic viscoelastic behavior of bovine periodontal ligament in compression. <i>Journal of Periodontal Research</i> , 2020, 55, 651-659.	2.7	15
9	Does preconditioning lower the rupture resistance of chorioamniotic membrane?. <i>Biomedizinische Technik</i> , 2020, 65, 643-652.	0.8	0
10	Design and Fabrication of a Drop Tower Testing Apparatus to Investigate the Impact Behavior of Spinal Motion Segments. <i>Archives of Bone and Joint Surgery</i> , 2020, 8, 682-688.	0.2	0
11	Fabrications of small diameter compliance bypass conduit using electrospinning of clinical grade polyurethane. <i>Vascular</i> , 2019, 27, 636-647.	0.9	8
12	Mechanical guidelines on the properties of human healthy arteries in the design and fabrication of vascular grafts: experimental tests and quasi-linear viscoelastic model. <i>Acta of Bioengineering and Biomechanics</i> , 2019, 21, 13-21.	0.4	2
13	Finite element investigation of human maxillary incisor under traumatic loading: Static vs dynamic analysis. <i>Computer Methods and Programs in Biomedicine</i> , 2018, 155, 121-125.	4.7	15
14	Mechanical, material, and biological study of a PCL/bioactive glass bone scaffold: Importance of viscoelasticity. <i>Materials Science and Engineering C</i> , 2018, 90, 280-288.	7.3	54
15	Thermal Analysis of Dental Implants in Mandibular Premolar Region: 3D FEM Study. <i>Journal of Prosthodontics</i> , 2018, 27, 284-289.	3.7	6
16	A Viscoelastic Study of Poly(ϵ -Caprolactone) Microsphere Sintered Bone Tissue Engineering Scaffold. <i>Journal of Medical and Biological Engineering</i> , 2018, 38, 359-369.	1.8	2
17	EFFECT OF ANTIBIOTICS AUGMENTATION AND STORAGE CONDITION ON IMPACT RESISTANCE OF ORTHOPEDIC BONE CEMENT. <i>Journal of Mechanics in Medicine and Biology</i> , 2017, 17, 1750019.	0.7	1
18	A comparison of the material properties of natural and synthetic vascular walls. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 71, 209-215.	3.1	4

#	ARTICLE	IF	CITATIONS
19	Biomechanical behavior of bovine periodontal ligament: Experimental tests and constitutive model. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 62, 599-606.	3.1	30
20	Dynamic tensile properties of bovine periodontal ligament: A nonlinear viscoelastic model. Journal of Biomechanics, 2016, 49, 756-764.	2.1	40
21	Influence of Poly(acrylic acid) on the Mechanical Properties of Composite Hydrogels. Advances in Polymer Technology, 2015, 34, .	1.7	22
22	Do mechanical properties of human fetal membrane depend on strain rate?. Journal of Obstetrics and Gynaecology Research, 2015, 41, 84-91.	1.3	5
23	A novel haemostatic powder delivery device applicable in minimally invasive surgery. Journal of Medical Engineering and Technology, 2014, 38, 32-36.	1.4	2
24	A tensile machine with a novel optical load cell for soft biological tissues application. Journal of Medical Engineering and Technology, 2014, 38, 411-415.	1.4	2
25	Effect of Thermal Stresses on the Mechanism of Tooth Pain. Journal of Endodontics, 2014, 40, 1835-1839.	3.1	14
26	Pullout strength of pedicle screws augmented with particulate calcium phosphate: An experimental study. Spine Journal, 2009, 9, 404-410.	1.3	74