

Demetrios T Venetsanos

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

149
citations

1478280

6
h-index

1199470

12
g-index

19
all docs

19
docs citations

19
times ranked

151
citing authors

#	ARTICLE	IF	CITATIONS
1	The Role of Morphology of the Thumb in Anthropomorphic Grasping: A Review. <i>Frontiers in Mechanical Engineering</i> , 2017, 3, .	0.8	50
2	Gradient moduli lens models: how material properties and application of forces can affect deformation and distributions of stress. <i>Scientific Reports</i> , 2016, 6, 31171.	1.6	18
3	The importance of parameter choice in modelling dynamics of the eye lens. <i>Scientific Reports</i> , 2017, 7, 16688.	1.6	14
4	A Modeling Approach for Investigating Opto-Mechanical Relationships in the Human Eye Lens. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 999-1006.	2.5	12
5	DIESYS“ dynamically non-linear dielectric elastomer energy generating synergetic structures: perspectives and challenges. <i>Smart Materials and Structures</i> , 2013, 22, 104007.	1.8	10
6	Investigation on the distal screw of a trochanteric intramedullary implant (Fi-nail) using a simplified finite element model. <i>Injury</i> , 2010, 41, 259-265.	0.7	8
7	Structural optimization of thin-walled tubular trusses using a virtual strain energy density approach. <i>Thin-Walled Structures</i> , 2006, 44, 235-246.	2.7	7
8	A new evolutionary optimization method for osteoporotic bone augmentation. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2017, 20, 691-700.	0.9	6
9	Cost minimization of 2D continuum structures under stress constraints by increasing commonality in their skeletal equivalents. <i>Forschung Im Ingenieurwesen/Engineering Research</i> , 2006, 70, 159-169.	1.0	5
10	Dynamic non-linear energy absorbers based on properly stretched in-plane elastomer structures. <i>Nonlinear Dynamics</i> , 2014, 75, 367-386.	2.7	5
11	Numerical investigation of the effect of bone cement porosity on osteoporotic femoral augmentation. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2018, 34, e2989.	1.0	4
12	Optimization Aspects on the Hand of the Fabrics. <i>Textile Reseach Journal</i> , 2005, 75, 653-661.	1.1	2
13	Enumeration search method for optimisation of stacking sequence of laminated composite plates subjected to buckling. <i>Open Engineering</i> , 2015, 5, .	0.7	2
14	Progress towards an Intelligent Beehive: Building an Intelligent Environment to Promote the Well-Being of Honeybees. , 2016, , .		2
15	COMBINED USE OF PARALLEL-PLATE COMPRESSION AND FINITE ELEMENT MODELING TO ANALYZE THE MECHANICAL PROPERTIES OF INTACT PORCINE LENS. <i>Journal of Mechanics in Medicine and Biology</i> , 2018, 18, 1840013.	0.3	2
16	On the layout optimization of 2D skeletal structures under a single displacement constraint. <i>Structural and Multidisciplinary Optimization</i> , 2010, 42, 125-155.	1.7	1
17	Kinematic Analysis of the Human Thumb with Foldable Palm. <i>Lecture Notes in Computer Science</i> , 2016, , 226-238.	1.0	1
18	Shape and motion reconstruction of non rigid objects from their 2D projections under uniform expansion conditions. <i>Forschung Im Ingenieurwesen/Engineering Research</i> , 2006, 70, 187-197.	1.0	0