Demetrios T Venetsanos

List of Publications by Year
in descending order

18	149	1478280 6	1199470 12
papers	citations	h-index	g-index

19	19	19	151
all docs	docs citations	times ranked	citing authors

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