

Pietro Salvini

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3282450/publications.pdf>

Version: 2024-02-01

26
papers

536
citations

1163117

8
h-index

713466

21
g-index

26
all docs

26
docs citations

26
times ranked

441
citing authors

#	ARTICLE	IF	CITATIONS
1	Inflectional Heavy Elastica with Unilateral Contact constraint: Analytical Solution through the Curvilinear Abscissa Mapping approximation. <i>International Journal of Solids and Structures</i> , 2022, 234-235, 111258.	2.7	2
2	An Engineering Theory of thick Curved Beams loaded in-plane and out-of-plane: 3D Stress Analysis. <i>European Journal of Mechanics, A/Solids</i> , 2022, 92, 104484.	3.7	8
3	The contact problem in FEM analysis of filiform structure for large deployable reflectors. <i>IOP Conference Series: Materials Science and Engineering</i> , 2022, 1214, 012033.	0.6	0
4	Contact management in knitted metal mesh through an adaptive node placing. <i>Computers and Structures</i> , 2022, 264, 106772.	4.4	1
5	Experimental setup for the evaluation of large displacements in the inflected beams sustained to ground. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1038, 012078.	0.6	2
6	Large displacements of slender beams in plane: Analytical solution by means of a new hypergeometric function. <i>International Journal of Solids and Structures</i> , 2020, 185-186, 467-484.	2.7	13
7	Modelling of structures made of filiform beams: Development of a curved finite element for wires. <i>Finite Elements in Analysis and Design</i> , 2020, 170, 103349.	3.2	5
8	Heavy Elastica soil-supported with lifting load and bending moment applied to an end: A new analytical approach for very large displacements and experimental validation. <i>International Journal of Solids and Structures</i> , 2020, 206, 153-169.	2.7	5
9	Structural Modelling of Curved Wires. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 245-258.	0.4	0
10	Strain measurements on compliant knitted mesh used in space antennas, by means of 2D Fourier analysis. <i>Strain</i> , 2018, 54, e12251.	2.4	3
11	Analytical Stiffness Matrix for Curved Metal Wires. <i>Procedia Structural Integrity</i> , 2018, 8, 43-55.	0.8	5
12	A balanced load mapping method based on radial basis functions and fuzzy sets. <i>International Journal for Numerical Methods in Engineering</i> , 2018, 115, 1411-1429.	2.8	26
13	Theoretical and experimental characterization of a FEM element assembly for the simulation of very compliant knitted mesh. <i>International Journal for Numerical Methods in Engineering</i> , 2016, 107, 419-429.	2.8	9
14	Review and comparison of dry friction force models. <i>Nonlinear Dynamics</i> , 2016, 83, 1785-1801.	5.2	348
15	Modal Pursuit to Detect Large Displacements and Strain Fields by Digital Image Correlation. <i>Strain</i> , 2015, 51, 30-42.	2.4	6
16	Effect of fracture tunneling in DWT Tests. <i>Engineering Fracture Mechanics</i> , 2012, 81, 33-42.	4.3	2
17	New experimental set-up to approach pipeline fracture behaviour by three-point bending specimens. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2012, 35, 502-593.	3.4	2
18	Dynamic analysis of a bogie for hunting detection through a simplified wheel-rail contact model. <i>Multibody System Dynamics</i> , 2011, 25, 429-460.	2.7	13

#	ARTICLE	IF	CITATIONS
19	A lookup table-based method for wheel-rail contact analysis. Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics, 2011, 225, 127-138.	0.8	2
20	Direct tuning of inertia sensors of a navigation system using the neural network approach. Inverse Problems in Science and Engineering, 2010, 18, 131-144.	1.2	0
21	Fracture propagation in DWT back slotted specimens. International Journal of Fracture, 2004, 128, 159-169.	2.2	8
22	Identification of CTOA and fracture process parameters by drop weight test and finite element simulation. Engineering Fracture Mechanics, 2003, 70, 553-566.	4.3	33
23	GDN-10 A MIXED FINITE ELEMENT : NUMERICAL SOLUTION FOR MESH STIFFNESS EVALUATION(GEAR) Tj ETQq1 1 0.784314 rgBT /Over Transmissions, 2001, I.01.202, 51-56.	0.0	0
24	GDN-19 A GENERAL DYNAMIC MODELLING PROCEDURE FOR POWER GEAR TRANSMISSION(GEAR DYNAMICS) Tj ETQq0 0 0 rgBT /Over Transmissions, 2001, I.01.202, 102-108.	0.0	0
25	A PROCEDURE FOR FATIGUE LIFE PREDICTION OF SPOT WELDED JOINTS. Fatigue and Fracture of Engineering Materials and Structures, 1997, 20, 1117-1128.	3.4	25
26	Finite strain analysis by image processing: smoothing techniques. Strain, 1995, 31, 151-158.	2.4	18