Giuseppe Balduzzi

List of Publications by Year
in descending order

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16	315	840776 11	996975 15
papers	citations	h-index	g-index

17	17	17	164
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Non-prismatic beams: A simple and effective Timoshenko-like model. International Journal of Solids and Structures, 2016, 90, 236-250.	2.7	62
2	Analytical derivation of a general 2D non-prismatic beam model based on the Hellingerâ€“Reissner principle. Engineering Structures, 2015, 101, 88-98.	5.3	32
3	The dimensional reduction approach for 2D non-prismatic beam modelling: A solution based on Hellingerâ€“Reissner principle. International Journal of Solids and Structures, 2015, 63, 264-276.	2.7	31
4	Structural analysis of non-prismatic beams: Critical issues, accurate stress recovery, and analytical definition of the Finite Element (FE) stiffness matrix. Engineering Structures, 2020, 213, 110252.	5.3	31
5	Non-prismatic Timoshenko-like beam model: Numerical solution via isogeometric collocation. Computers and Mathematics With Applications, 2017, 74, 1531-1541.	2.7	30
6	Stress recovery from one dimensional models for tapered bi-symmetric thin-walled I beams: Deficiencies in modern engineering tools and procedures. Thin-Walled Structures, 2017, 119, 934-945.	5.3	21
7	Planar Timoshenko-like model for multilayer non-prismatic beams. International Journal of Mechanics and Materials in Design, 2018, 14, 51-70.	3.0	19
8	Enhanced modeling approach for multilayer anisotropic plates based on dimension reduction method and Hellingerâ€“Reissner principle. Composite Structures, 2014, 118, 622-633.	5.8	17
9	A new modeling approach for planar beams: finite-element solutions based on mixed variational derivations. Journal of Mechanics of Materials and Structures, 2010, 5, 771-794.	0.6	14
10	Second-order torsional warping theory considering the secondary torsion-moment deformation-effect. Engineering Structures, 2017, 147, 724-739.	5.3	12
11	Torsional warping eigenmodes of FGM beams with longitudinally varying material properties. Engineering Structures, 2018, 175, 912-925.	5.3	12
12	Modeling the non-trivial behavior of anisotropic beams: A simple Timoshenko beam with enhanced stress recovery and constitutive relations. Composite Structures, 2019, 229, 111265.	5.8	10
13	The dimensional reduction modelling approach for 3D beams: Differential equations and finite-element solutions based on Hellingerâ€“Reissner principle. International Journal of Solids and Structures, 2013, 50, 4184-4196.	2.7	9
14	Serviceability Analysis of Non-Prismatic Timber Beams: Derivation and Validation of New and Effective Straightforward Formulas. Open Journal of Civil Engineering, 2017, 07, 32-62.	0.5	8
15	Jaws of Platynereis dumerilii: Miniature Biogenic Structures with Hardness Properties Similar to Those of Crystalline Metals. Jom, 2021, 73, 2390.	1.9	3
16	Dog-bone Samples may not Provide Direct Access to the Longitudinal Tensile Strength of Clear-wood. Open Civil Engineering Journal, 2021, 15, 1-12.	0.8	1