A Della Corte

List of Publications by Year
in descending order

23 papers	1,294 citations	623734 14 h-index	794594 19 g-index
23 all docs	23 docs citations	23 times ranked	510 citing authors

#	Article	IF	Citations
1	A Deep Learning-Based and Fully Automated Pipeline for Thoracic Aorta Geometric Analysis and Planning for Endovascular Repair from Computed Tomography. Journal of Digital Imaging, 2022, 35, 226-239.	2.9	14
2	Dynamics of interval maps generated by erasing substitutions. Journal of Differential Equations, 2022, 323, 86-112.	2.2	3
3	Higher Gradient Theories and Their Foundations. , 2020, , 1090-1099.		0
4	Generalized Contact Actions. , 2020, , 1033-1041.		0
5	Pantographic metamaterials: an example of mathematically driven design and of its technological challenges. Continuum Mechanics and Thermodynamics, 2019, 31, 851-884.	2.2	272
6	Large deformations of Timoshenko and Euler beams under distributed load. Zeitschrift Fur Angewandte Mathematik Und Physik, 2019, 70, 1.	1.4	11
7	Extensible Beam Models in Large Deformation Under Distributed Loading: A Numerical Study on Multiplicity of Solutions. Advanced Structured Materials, 2019, , 19-41.	0.5	5
8	Large deformations of 1D microstructured systems modeled as generalized Timoshenko beams. Zeitschrift Fur Angewandte Mathematik Und Physik, 2018, 69, 1.	1.4	18
9	Higher Gradient Theories and Their Foundations. , 2018, , 1-10.		1
10	Generalized Contact Actions. , 2018, , 1-9.		1
11	Higher-gradient continua: The legacy of Piola, Mindlin, Sedov and Toupin and some future research perspectives. Mathematics and Mechanics of Solids, 2017, 22, 852-872.	2.4	188
12	ExtensionalÂElastica in large deformation as $$Gamma $$ Î" -limit of a discrete 1D mechanical system. Zeitschrift Fur Angewandte Mathematik Und Physik, 2017, 68, 1.	1.4	26
13	Dynamics of 1D nonlinear pantographic continua. Nonlinear Dynamics, 2017, 88, 21-31.	5.2	61
14	Bias extension test for pantographic sheets: numerical simulations based on second gradient shear energies. Journal of Engineering Mathematics, 2017, 103, 127-157.	1.2	82
15	Convergence of Hencky-Type Discrete Beam Model to Euler Inextensible Elastica in Large Deformation: Rigorous Proof. Advanced Structured Materials, 2017, , 1-12.	0.5	11
16	An explicit solution for the dynamics of a taut string of finite length carrying a traveling mass: the subsonic case. Zeitschrift Fur Angewandte Mathematik Und Physik, 2016, 67, 1.	1.4	14
17	Buckling modes in pantographic lattices. Comptes Rendus - Mecanique, 2016, 344, 487-501.	2.1	75
18	Plane bias extension test for a continuum with two inextensible families of fibers: A variational treatment with Lagrange multipliers and a perturbation solution. International Journal of Solids and Structures, 2016, 81, 1-12.	2.7	86

#	Article	IF	Citations
19	Piezo-electromechanical smart materials with distributed arrays of piezoelectric transducers: Current and upcoming applications. International Journal of Applied Electromagnetics and Mechanics, 2015, 47, 1051-1084.	0.6	84
20	A micro-structural model for dissipation phenomena in the concrete. International Journal for Numerical and Analytical Methods in Geomechanics, 2015, 39, 2037-2052.	3.3	31
21	Second-gradient continua as homogenized limit of pantographic microstructured plates: a rigorous proof. Zeitschrift Fur Angewandte Mathematik Und Physik, 2015, 66, 2855-2870.	1.4	109
22	The postulations <i>Ã¡ la Dâ€™Alembert</i> and <i>Ã¡ la Cauchy</i> for higher gradient continuum theories are equivalent: a review of existing results. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2015, 471, 20150415.	2.1	101
23	Synthesis of Fibrous Complex Structures: Designing Microstructure to Deliver Targeted Macroscale Response. Applied Mechanics Reviews, 2015, 67, .	10.1	101