

A Della Corte

List of Publications by Year in descending order

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Version: 2024-02-01

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	Pantographic metamaterials: an example of mathematically driven design and of its technological challenges. <i>Continuum Mechanics and Thermodynamics</i> , 2019, 31, 851-884.	2.2	272
2	Higher-gradient continua: The legacy of Piola, Mindlin, Sedov and Toupin and some future research perspectives. <i>Mathematics and Mechanics of Solids</i> , 2017, 22, 852-872.	2.4	188
3	Second-gradient continua as homogenized limit of pantographic microstructured plates: a rigorous proof. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2015, 66, 2855-2870.	1.4	109
4	The postulations ϵ -Alembert and ϵ -Cauchy for higher gradient continuum theories are equivalent: a review of existing results. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2015, 471, 20150415.	2.1	101
5	Synthesis of Fibrous Complex Structures: Designing Microstructure to Deliver Targeted Macroscale Response. <i>Applied Mechanics Reviews</i> , 2015, 67, .	10.1	101
6	Plane bias extension test for a continuum with two inextensible families of fibers: A variational treatment with Lagrange multipliers and a perturbation solution. <i>International Journal of Solids and Structures</i> , 2016, 81, 1-12.	2.7	86
7	Piezo-electromechanical smart materials with distributed arrays of piezoelectric transducers: Current and upcoming applications. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2015, 47, 1051-1084.	0.6	84
8	Bias extension test for pantographic sheets: numerical simulations based on second gradient shear energies. <i>Journal of Engineering Mathematics</i> , 2017, 103, 127-157.	1.2	82
9	Buckling modes in pantographic lattices. <i>Comptes Rendus - Mecanique</i> , 2016, 344, 487-501.	2.1	75
10	Dynamics of 1D nonlinear pantographic continua. <i>Nonlinear Dynamics</i> , 2017, 88, 21-31.	5.2	61
11	A micro-structural model for dissipation phenomena in the concrete. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2015, 39, 2037-2052.	3.3	31
12	Extensional Elasticity in large deformation as Γ -limit of a discrete 1D mechanical system. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2017, 68, 1.	1.4	26
13	Large deformations of 1D microstructured systems modeled as generalized Timoshenko beams. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2018, 69, 1.	1.4	18
14	An explicit solution for the dynamics of a taut string of finite length carrying a traveling mass: the subsonic case. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2016, 67, 1.	1.4	14
15	A Deep Learning-Based and Fully Automated Pipeline for Thoracic Aorta Geometric Analysis and Planning for Endovascular Repair from Computed Tomography. <i>Journal of Digital Imaging</i> , 2022, 35, 226-239.	2.9	14
16	Large deformations of Timoshenko and Euler beams under distributed load. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2019, 70, 1.	1.4	11
17	Convergence of Hencky-Type Discrete Beam Model to Euler Inextensible Elasticity in Large Deformation: Rigorous Proof. <i>Advanced Structured Materials</i> , 2017, , 1-12.	0.5	11
18	Extensible Beam Models in Large Deformation Under Distributed Loading: A Numerical Study on Multiplicity of Solutions. <i>Advanced Structured Materials</i> , 2019, , 19-41.	0.5	5

#	ARTICLE	IF	CITATIONS
19	Dynamics of interval maps generated by erasing substitutions. Journal of Differential Equations, 2022, 323, 86-112.	2.2	3
20	Higher Gradient Theories and Their Foundations. , 2018, , 1-10.		1
21	Generalized Contact Actions. , 2018, , 1-9.		1
22	Higher Gradient Theories and Their Foundations. , 2020, , 1090-1099.		0
23	Generalized Contact Actions. , 2020, , 1033-1041.		0