

Luciano Feo

List of Publications by Year in descending order

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114
papers

6,685
citations

38720

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116
all docs

116
docs citations

116
times ranked

4760
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of an FRP Cable-Stayed Pedestrian Bridge. Morphology, Technology and Required Performances. Lecture Notes in Civil Engineering, 2022, , 46-62.	0.3	1
2	Application of the Higher-Order Hamilton Approach to the Nonlinear Free Vibrations Analysis of Porous FG Nano-Beams in a Hygrothermal Environment Based on a Local/Nonlocal Stress Gradient Model of Elasticity. Nanomaterials, 2022, 12, 2098.	1.9	8
3	Size-dependent buckling analysis of nanobeams resting on two-parameter elastic foundation through stress-driven nonlocal elasticity model. Mechanics of Advanced Materials and Structures, 2021, 28, 2408-2416.	1.5	51
4	Nonlinear free vibrations analysis of geometrically imperfect FG nano-beams based on stress-driven nonlocal elasticity with initial pretension force. Composite Structures, 2021, 255, 112856.	3.1	37
5	Hygro-Thermal Vibrations of Porous FG Nano-Beams Based on Local/Nonlocal Stress Gradient Theory of Elasticity. Nanomaterials, 2021, 11, 910.	1.9	15
6	Hygro-thermal bending behavior of porous FG nano-beams via local/nonlocal strain and stress gradient theories of elasticity. Composite Structures, 2021, 263, 113627.	3.1	38
7	Dynamic Response of Multilayered Polymer Functionally Graded Carbon Nanotube Reinforced Composite (FG-CNTRC) Nano-Beams in Hygro-Thermal Environment. Polymers, 2021, 13, 2340.	2.0	10
8	A cracked-hinge approach to modelling high performance fiber-reinforced concrete. Composite Structures, 2021, 273, 114277.	3.1	5
9	A critical review of numerical methods for the simulation of pultruded fiber-reinforced structural elements. Composite Structures, 2021, 273, 114284.	3.1	15
10	An experimental investigation on freezing and thawing durability of high performance fiber reinforced concrete (HPFRC). Composite Structures, 2020, 234, 111673.	3.1	42
11	Nonlinear Dynamic Behavior of Porous and Imperfect Bernoulli-Euler Functionally Graded Nanobeams Resting on Winkler Elastic Foundation. Technologies, 2020, 8, 56.	3.0	8
12	Determination of Forces and Moments Per Unit Length in Symmetric Exponential FG Plates with a Quasi-Triangular Hole. Symmetry, 2020, 12, 834.	1.1	24
13	On the equilibrium problem and infinitesimal mechanisms of class theta tensegrity systems. , 2019, , .		0
14	Green Concrete: By-Products Utilization and Advanced Approaches. Sustainability, 2019, 11, 5145.	1.6	75
15	Synthesis and characterization of Pt-N-doped activated biocarbon composites for hydrogen storage. Composites Part B: Engineering, 2019, 161, 464-472.	5.9	31
16	Multi-Material Additive Manufacturing of Sustainable Innovative Materials and Structures. Polymers, 2019, 11, 62.	2.0	118
17	Numerical failure analysis of built-up columns composed of closely spaced pultruded FRP channels. Composite Structures, 2019, 207, 478-487.	3.1	9
18	Mechanical characterization of pultruded elements: Fiber orientation influence vs web-flange junction local problem. Experimental and numerical tests. Composites Part B: Engineering, 2018, 142, 68-84.	5.9	32

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19	Residual stiffness of bonded joints for fibre-reinforced polymer profiles. Composites Part B: Engineering, 2018, 144, 237-253.	5.9	2
20	Carbone/epoxy interface debond growth using the Contour Integral/Cohesive zone method. Composites Part B: Engineering, 2018, 142, 102-107.	5.9	9
21	Exact solutions of inflected functionally graded nano-beams in integral elasticity. Composites Part B: Engineering, 2018, 142, 273-286.	5.9	97
22	Weldability of thermoplastic materials for friction stir welding- A state of art review and future applications. Composites Part B: Engineering, 2018, 137, 1-15.	5.9	112
23	Graphene as biomedical sensing element: State of art review and potential engineering applications. Composites Part B: Engineering, 2018, 134, 193-206.	5.9	113
24	In-vitro studies of SS 316L biomedical implants prepared by FDM, vapor smoothing and investment casting. Composites Part B: Engineering, 2018, 132, 107-114.	5.9	58
25	Plasma surface modification and bonding enhancement for bamboo composites. Composites Part B: Engineering, 2018, 138, 157-167.	5.9	64
26	Stress-driven integral elastic theory for torsion of nano-beams. Mechanics Research Communications, 2018, 87, 35-41.	1.0	82
27	Physical-mechanical characterization of biodegradable Mg-3Si-HA composites. PSU Research Review, 2018, 2, 152-174.	1.3	14
28	Nonlocal inflected nano-beams: A stress-driven approach of bi-Helmholtz type. Composite Structures, 2018, 200, 239-245.	3.1	71
29	Influence of reinforcement viscous properties on reliability of existing structures strengthened with externally bonded composites. Composite Structures, 2018, 200, 532-539.	3.1	20
30	On the Geometrically Nonlinear Elastic Response of Class I Tensegrity Prisms. Frontiers in Materials, 2018, 5, .	1.2	20
31	Investigation on interfacial defect criticality of FRP-bonded concrete beams. Composites Part B: Engineering, 2017, 113, 80-90.	5.9	62
32	Cohesive interface behaviour and local shear strains in axially loaded composite annular tubes. Composite Structures, 2017, 160, 1126-1135.	3.1	19
33	Creep behavior of GFRP laminates and their phases: Experimental investigation and analytical modeling. Composites Part B: Engineering, 2017, 122, 136-144.	5.9	69
34	Experimental and numerical evaluation of the axial stiffness of the web-to-flange adhesive connections in composite I-beams. Composite Structures, 2017, 176, 702-714.	3.1	18
35	Epoxy/glass fibres composites for civil applications: Comparison between thermal and microwave crosslinking routes. Composites Part B: Engineering, 2017, 126, 100-107.	5.9	37
36	Size effect and dynamic properties of 2D lattice materials. Composites Part B: Engineering, 2017, 112, 235-242.	5.9	33

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37	Nano-beams under torsion: a stress-driven nonlocal approach. PSU Research Review, 2017, 1, 164-169.	1.3	10
38	Special issue on composite lattices and multiscale innovative materials and structures. Composites Part B: Engineering, 2017, 115, 1-2.	5.9	14
39	Pilot study on the experimental behavior of GFRP-steel slip-critical connections. Composites Part B: Engineering, 2017, 115, 209-222.	5.9	41
40	On the minimal mass reinforcement of masonry structures with arbitrary shapes. Meccanica, 2017, 52, 1561-1576.	1.2	18
41	A closed-form model for torsion of nanobeams with an enhanced nonlocal formulation. Composites Part B: Engineering, 2017, 108, 315-324.	5.9	83
42	Recycling of plastic solid waste: A state of art review and future applications. Composites Part B: Engineering, 2017, 115, 409-422.	5.9	763
43	On Bending of Bernoulli-Euler Nanobeams for Nonlocal Composite Materials. Modelling and Simulation in Engineering, 2016, 2016, 1-5.	0.4	2
44	A Note on Torsion of Nonlocal Composite Nanobeams. Modelling and Simulation in Engineering, 2016, 2016, 1-5.	0.4	3
45	Friction welding of dissimilar plastic/polymer materials with metal powder reinforcement for engineering applications. Composites Part B: Engineering, 2016, 101, 77-86.	5.9	112
46	Matching effect of honeycomb-filled thin-walled square tube”Experiment and simulation. Composite Structures, 2016, 157, 494-505.	3.1	81
47	Enhancing mechanical properties of clay aerogel composites: An overview. Composites Part B: Engineering, 2016, 98, 314-329.	5.9	61
48	Deformation mode evolutionary mechanism of honeycomb structure when undergoing a shallow inclined load. Composite Structures, 2016, 147, 211-219.	3.1	45
49	Application of an enhanced version of the Eringen differential model to nanotechnology. Composites Part B: Engineering, 2016, 96, 274-280.	5.9	98
50	Experimental investigation on masonry arches strengthened with PBO-FRCM composite. Composites Part B: Engineering, 2016, 100, 228-239.	5.9	83
51	Bending dominated response of layered mechanical metamaterials alternating pentamode lattices and confinement plates. Composite Structures, 2016, 157, 71-77.	3.1	67
52	Experimental investigations for mechanical and metallurgical properties of friction stir welded recycled dissimilar polymer materials with metal powder reinforcement. Composites Part B: Engineering, 2016, 103, 90-97.	5.9	20
53	Web-flange behavior of pultruded GFRP I-beams: A lattice model for the interpretation of experimental results. Composites Part B: Engineering, 2016, 100, 257-269.	5.9	62
54	Physical properties of clay aerogel composites: An overview. Composites Part B: Engineering, 2016, 102, 29-37.	5.9	37

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55	Surface roughness effects on the reinforcement of cement mortars through 3D printed metallic fibers. Composites Part B: Engineering, 2016, 99, 305-311.	5.9	70
56	A closed-form equation for the local buckling moment of pultruded FRP I-beams in major-axis bending. Composites Part B: Engineering, 2016, 97, 292-299.	5.9	39
57	Functionally graded Timoshenko nanobeams: A novel nonlocal gradient formulation. Composites Part B: Engineering, 2016, 100, 208-219.	5.9	192
58	Flexural analysis of RC beam strengthened by partially de-bonded NSM FRP strip. Composites Part B: Engineering, 2016, 101, 21-30.	5.9	23
59	Experimental response of FRP reinforced members without transverse reinforcement: Failure modes and design issues. Composites Part B: Engineering, 2016, 89, 397-407.	5.9	41
60	On the reinforcement of cement mortars through 3D printed polymeric and metallic fibers. Composites Part B: Engineering, 2016, 90, 76-85.	5.9	123
61	An Eringen-like model for Timoshenko nanobeams. Composite Structures, 2016, 139, 104-110.	3.1	62
62	Irregular stone masonries: Analysis and strengthening with glass fibre reinforced composites. Composites Part B: Engineering, 2016, 92, 84-93.	5.9	35
63	Experimental response of additively manufactured metallic pentamode materials confined between stiffening plates. Composite Structures, 2016, 142, 254-262.	3.1	96
64	DEPENDENCE OF THE MECHANICAL PROPERTIES OF PENTAMODE MATERIALS ON THE LATTICE MICROSTRUCTURE. , 2016, , .		18
65	STRUCTURAL ANALYSIS OF ADHESIVE BONDING FOR THICK-WALLED TUBULAR COMPOSITE PROFILES. , 2016, , .		2
66	Mixed-mode fracture in lightweight aggregate concrete by using a moving mesh approach within a multiscale framework. Composite Structures, 2015, 123, 88-97.	3.1	40
67	Torsion of functionally graded nonlocal viscoelastic circular nanobeams. Composites Part B: Engineering, 2015, 72, 217-222.	5.9	86
68	Crack damage mitigation and shear behavior of shear-dominant reinforced concrete beams repaired with strain-hardening cement-based composite. Composites Part B: Engineering, 2015, 79, 6-19.	5.9	34
69	A gradient Eringen model for functionally graded nanorods. Composite Structures, 2015, 131, 1124-1131.	3.1	67
70	Eigenstrain and Fourier series for evaluation of elastic local fields and effective properties of periodic composites. Composites Part B: Engineering, 2015, 81, 251-258.	5.9	22
71	Variational formulations for functionally graded nonlocal Bernoulli-Euler nanobeams. Composite Structures, 2015, 129, 80-89.	3.1	79
72	In-plane shear behavior of insulated precast concrete sandwich panels reinforced with corrugated GFRP shear connectors. Composites Part B: Engineering, 2015, 79, 419-429.	5.9	54

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73	Some closed-form solutions of functionally graded beams undergoing nonuniform torsion. <i>Composite Structures</i> , 2015, 123, 132-136.	3.1	54
74	Structural evaluation of coaxial joints for FRP rebars using winding wet fabrics composites. <i>World Journal of Engineering</i> , 2014, 11, 37-40.	1.0	0
75	Attempts to apply high performance fiber-reinforced cement composite (HPFRCC) to infrastructures in South Korea. <i>Composite Structures</i> , 2014, 109, 211-223.	3.1	41
76	Advances in damage mechanics of polymer composites. <i>Composites Part B: Engineering</i> , 2014, 65, 1.	5.9	7
77	Debonding of FRP in multi-span masonry arch structures via limit analysis. <i>Composite Structures</i> , 2014, 108, 856-865.	3.1	53
78	Damage mechanics of cement concrete modeled as a four-phase composite. <i>Composites Part B: Engineering</i> , 2014, 65, 124-130.	5.9	33
79	Analysis of masonry structures strengthened with polymeric net reinforced cementitious matrix materials. <i>Composite Structures</i> , 2014, 113, 264-271.	3.1	27
80	Flexural performance of reinforced concrete beams strengthened with strain-hardening cementitious composite and high strength reinforcing steel bar. <i>Composites Part B: Engineering</i> , 2014, 56, 512-519.	5.9	44
81	Structural evaluation of axial and rotational flexibility and strength of web-flange junctions of open-web pultruded composites. <i>Composites Part B: Engineering</i> , 2014, 66, 311-327.	5.9	38
82	Mechanical behavior of web-flange junctions of thin-walled pultruded I-profiles: An experimental and numerical evaluation. <i>Composites Part B: Engineering</i> , 2013, 48, 18-39.	5.9	79
83	The influence of the shear deformations on the local stress state of pultruded composite profiles. <i>Mechanics Research Communications</i> , 2013, 47, 44-49.	1.0	16
84	Non-linear pre-buckling behavior of shear deformable thin-walled composite beams with open cross-section. <i>Composites Part B: Engineering</i> , 2013, 47, 379-390.	5.9	28
85	Numerical collapse load of multi-span masonry arch structures with FRP reinforcement. <i>Composites Part B: Engineering</i> , 2013, 54, 71-84.	5.9	57
86	Experimental analysis on bond between PBO-FRCM strengthening materials and concrete. <i>Composites Part B: Engineering</i> , 2013, 44, 524-532.	5.9	235
87	On the use of R-PET strips for the reinforcement of cement mortars. <i>Composites Part B: Engineering</i> , 2013, 46, 207-210.	5.9	81
88	An analysis of the stress-strain state of a timber-concrete cross-section. <i>Composites Part B: Engineering</i> , 2013, 45, 148-158.	5.9	8
89	Experimental and analytical investigation on bond between Carbon-FRCM materials and masonry. <i>Composites Part B: Engineering</i> , 2013, 46, 15-20.	5.9	199
90	Seismic improvement of RC beam-column joints using hexagonal CFRP bars combined with CFRP sheets. <i>Composite Structures</i> , 2013, 95, 464-470.	3.1	43

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91	Bond strength of near surface-mounted FRP plate for retrofit of concrete structures. Composite Structures, 2013, 95, 719-727.	3.1	98
92	Masonry arches strengthened with composite unbonded tendons. Composite Structures, 2013, 98, 323-329.	3.1	52
93	A Refined Finite Element Formulation for the Microstructure-Dependent Analysis of Two-Dimensional (2D) Lattice Materials. Materials, 2013, 6, 1-17.	1.3	17
94	Concrete Open-Wall Systems Wrapped with FRP under Torsional Loads. Materials, 2012, 5, 2055-2068.	1.3	6
95	Increasing the cyclic strength of threaded joints through the unloading of cracked sections. Journal of Mining and Metallurgy, Section B: Metallurgy, 2012, 48, 291-307.	0.3	1
96	Bond-slip relations for PBO-FRCM materials externally bonded to concrete. Composites Part B: Engineering, 2012, 43, 2938-2949.	5.9	177
97	Studies on FRP-concrete interface with hardening and softening bond-slip law. Composite Structures, 2012, 94, 3781-3792.	3.1	114
98	Stress analysis of multi-bolted joints for FRP pultruded composite structures. Composite Structures, 2012, 94, 3769-3780.	3.1	94
99	Limit analysis of FRP strengthened masonry arches via nonlinear and linear programming. Composites Part B: Engineering, 2012, 43, 439-446.	5.9	53
100	Cyclic responses of reinforced concrete composite columns strengthened in the plastic hinge region by HPFRC mortar. Composite Structures, 2012, 94, 2246-2253.	3.1	88
101	Experimental study of the thermo-mechanical properties of recycled PET fiber-reinforced concrete. Composite Structures, 2011, 93, 2368-2374.	3.1	218
102	On the pin-bearing failure load of GFRP bolted laminates: An experimental analysis on the influence of bolt diameter. Composites Part B: Engineering, 2010, 41, 482-490.	5.9	75
103	Modeling shear deformability of thin-walled composite beams with open cross-section. Mechanics Research Communications, 2010, 37, 320-325.	1.0	42
104	3D finite element non linear analysis on the stress state at bone-implant interface in dental osteointegrated implants. ORAL and Implantology, 2010, 3, 26-37.	0.3	8
105	An experimental investigation on the bearing failure load of glass fibre/epoxy laminates. Composites Part B: Engineering, 2009, 40, 197-205.	5.9	74
106	An experimental study on the long-term behavior of CFRP pultruded laminates suitable to concrete structures rehabilitation. Composites Part B: Engineering, 2008, 39, 1147-1150.	5.9	57
107	Concrete cover rip-off of R/C beams strengthened with FRP composites. Composites Part B: Engineering, 2007, 38, 759-771.	5.9	41
108	Load carrying capacity of 2D FRP/strengthened masonry structures. Composites Part B: Engineering, 2005, 36, 619-626.	5.9	70

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109	A numerical evaluation of the interlaminar stress state in externally FRP plated RC beams. Composites Part B: Engineering, 2005, 36, 83-90.	5.9	75
110	An Experimental and Numerical Investigation on the Plating of Reinforced Concrete Beams with FRP Laminates. Lecture Notes in Applied and Computational Mechanics, 2005, , 303-314.	2.0	1
111	On the Plating of Reinforced Concrete Beams with Composite Laminates. Lecture Notes in Applied and Computational Mechanics, 2004, , 277-284.	2.0	0
112	On the statical behaviour of fibre-reinforced polymer thin-walled beams. Composites Part B: Engineering, 2000, 31, 643-654.	5.9	36
113	Modeling of composite/concrete interface of RC beams strengthened with composite laminates. Composites Part B: Engineering, 2000, 31, 535-540.	5.9	88
114	On a moderate rotation theory of thin-walled composite beams. Composites Part B: Engineering, 2000, 31, 141-158.	5.9	54