

Vincenzo Fiore

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

4,782
citations

117571

34
h-index

98753

67
g-index

80
all docs

80
docs citations

80
times ranked

3845
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on basalt fibre and its composites. <i>Composites Part B: Engineering</i> , 2015, 74, 74-94.	5.9	859
2	The effect of alkaline treatment on mechanical properties of kenaf fibers and their epoxy composites. <i>Composites Part B: Engineering</i> , 2015, 68, 14-21.	5.9	389
3	Characterization of a new natural fiber from <i>Arundo donax</i> L. as potential reinforcement of polymer composites. <i>Carbohydrate Polymers</i> , 2014, 106, 77-83.	5.1	300
4	Glass/basalt/epoxy hybrid composites for marine applications. <i>Materials & Design</i> , 2011, 32, 2091-2099.	5.1	281
5	A new eco-friendly chemical treatment of natural fibres: Effect of sodium bicarbonate on properties of sisal fibre and its epoxy composites. <i>Composites Part B: Engineering</i> , 2016, 85, 150-160.	5.9	237
6	Artichoke (<i>Cynara cardunculus</i> L.) fibres as potential reinforcement of composite structures. <i>Composites Science and Technology</i> , 2011, 71, 1138-1144.	3.8	131
7	Effects of natural fibres reinforcement in lime plasters (kenaf and sisal vs. Polypropylene). <i>Construction and Building Materials</i> , 2014, 58, 159-165.	3.2	129
8	PLA based biocomposites reinforced with <i>Arundo donax</i> fillers. <i>Composites Science and Technology</i> , 2014, 105, 110-117.	3.8	107
9	Effect of external basalt layers on durability behaviour of flax reinforced composites. <i>Composites Part B: Engineering</i> , 2016, 84, 258-265.	5.9	106
10	Static and dynamic mechanical properties of <i>Arundo Donax</i> fillers-epoxy composites. <i>Materials & Design</i> , 2014, 57, 456-464.	5.1	104
11	Mechanical behavior of carbon/flax hybrid composites for structural applications. <i>Journal of Composite Materials</i> , 2012, 46, 2089-2096.	1.2	101
12	Behavior in compression of concrete cylinders externally wrapped with basalt fibers. <i>Composites Part B: Engineering</i> , 2015, 69, 576-586.	5.9	98
13	Effect of plasma treatment on the properties of <i>Arundo Donax</i> L. leaf fibres and its bio-based epoxy composites: A preliminary study. <i>Composites Part B: Engineering</i> , 2016, 94, 167-175.	5.9	98
14	A systematic literature review on less common natural fibres and their biocomposites. <i>Journal of Cleaner Production</i> , 2018, 195, 240-267.	4.6	90
15	Effect of sodium bicarbonate treatment on mechanical properties of flax-reinforced epoxy composite materials. <i>Journal of Composite Materials</i> , 2018, 52, 1061-1072.	1.2	77
16	Aging resistance of bio-epoxy jute-basalt hybrid composites as novel multilayer structures for cladding. <i>Composite Structures</i> , 2017, 160, 1319-1328.	3.1	73
17	Reprocessing of PLA/Graphene Nanoplatelets Nanocomposites. <i>Polymers</i> , 2018, 10, 18.	2.0	68
18	On the influence of the initial ramp for a correct definition of the parameters of fractional viscoelastic materials. <i>Mechanics of Materials</i> , 2014, 69, 63-70.	1.7	67

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19	Experimental assessment of the improved properties during aging of flax/glass hybrid composite laminates for marine applications. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47203.	1.3	66
20	Salt-fog spray aging of jute-basalt reinforced hybrid structures: Flexural and low velocity impact response. <i>Composites Part B: Engineering</i> , 2017, 116, 99-112.	5.9	58
21	Mechanical, Thermomechanical and Reprocessing Behavior of Green Composites from Biodegradable Polymer and Wood Flour. <i>Materials</i> , 2015, 8, 7536-7548.	1.3	57
22	Salt spray fog ageing of hybrid composite/metal rivet joints for automotive applications. <i>Composites Part B: Engineering</i> , 2017, 108, 65-74.	5.9	57
23	Effect of areal weight and chemical treatment on the mechanical properties of bidirectional flax fabrics reinforced composites. <i>Materials & Design</i> , 2010, 31, 4098-4103.	5.1	55
24	Mechanical properties of basalt fiber reinforced composites manufactured with different vacuum assisted impregnation techniques. <i>Composites Part B: Engineering</i> , 2016, 104, 35-43.	5.9	55
25	Influence of sodium bicarbonate treatment on the aging resistance of natural fiber reinforced polymer composites under marine environment. <i>Polymer Testing</i> , 2019, 80, 106100.	2.3	55
26	Effects of aging in salt spray conditions on flax and flax/basalt reinforced composites: Wettability and dynamic mechanical properties. <i>Composites Part B: Engineering</i> , 2016, 93, 35-42.	5.9	53
27	New Lignocellulosic <i>Aristida adscensionis</i> Fibers as Novel Reinforcement for Composite Materials: Extraction, Characterization and Weibull Distribution Analysis. <i>Journal of Polymers and the Environment</i> , 2020, 28, 803-811.	2.4	53
28	Effect of Graphene Nanoplatelets on the Physical and Antimicrobial Properties of Biopolymer-Based Nanocomposites. <i>Materials</i> , 2016, 9, 351.	1.3	49
29	New Polylactic Acid Composites Reinforced with Artichoke Fibers. <i>Materials</i> , 2015, 8, 7770-7779.	1.3	47
30	On the mechanical behavior of BFRP to aluminum AA6086 mixed joints. <i>Composites Part B: Engineering</i> , 2013, 48, 79-87.	5.9	45
31	Effect of Stacking Sequence and Sodium Bicarbonate Treatment on Quasi-Static and Dynamic Mechanical Properties of Flax/Jute Epoxy-Based Composites. <i>Materials</i> , 2019, 12, 1363.	1.3	43
32	Bearing strength and failure behavior of pinned hybrid glass-flax composite laminates. <i>Polymer Testing</i> , 2018, 69, 310-319.	2.3	42
33	Mechanical behaviour and failure modes of metal to composite adhesive joints for nautical applications. <i>International Journal of Advanced Manufacturing Technology</i> , 2011, 53, 593-600.	1.5	39
34	Failure Map of Composite Laminate Mechanical Joint. <i>Journal of Composite Materials</i> , 2007, 41, 951-964.	1.2	38
35	Dynamic Mechanical Behavior Analysis of Flax/Jute Fiber-Reinforced Composites under Salt-Fog Spray Environment. <i>Polymers</i> , 2020, 12, 716.	2.0	38
36	Durability of Basalt/Hemp Hybrid Thermoplastic Composites. <i>Polymers</i> , 2019, 11, 603.	2.0	34

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37	Synergistic effect of fiber content and length on mechanical and water absorption behaviors of Phoenix sp. fiber-reinforced epoxy composites. <i>Journal of Industrial Textiles</i> , 2017, 47, 211-232.	1.1	33
38	Effect of Sheep Wool Fibers on Thermal Insulation and Mechanical Properties of Cement-Based Composites. <i>Journal of Natural Fibers</i> , 2020, 17, 1532-1543.	1.7	33
39	Effect of plasma treatment on mechanical and thermal properties of marble powder/epoxy composites. <i>Polymer Composites</i> , 2018, 39, 309-317.	2.3	30
40	A DIC-based study of flexural behaviour of roving/mat/roving pultruded composites. <i>Composite Structures</i> , 2015, 131, 82-89.	3.1	28
41	Flax, Basalt, E-Glass FRP and Their Hybrid FRP Strengthened Wood Beams: An Experimental Study. <i>Polymers</i> , 2019, 11, 1255.	2.0	27
42	Experimental design of the bearing performances of flax fiber reinforced epoxy composites by a failure map. <i>Composites Part B: Engineering</i> , 2018, 148, 40-48.	5.9	25
43	Pinned Hybrid Glass-Flax Composite Laminates Aged in Salt-Fog Environment: Mechanical Durability. <i>Polymers</i> , 2020, 12, 40.	2.0	24
44	Evolution of the bearing failure map of pinned flax composite laminates aged in marine environment. <i>Composites Part B: Engineering</i> , 2020, 187, 107864.	5.9	24
45	Effect of curing time on the performances of hybrid/mixed joints. <i>Composites Part B: Engineering</i> , 2013, 45, 911-918.	5.9	23
46	Effects of anodizing surface treatment on the mechanical strength of aluminum alloy 5083 to fibre reinforced composites adhesive joints. <i>International Journal of Adhesion and Adhesives</i> , 2021, 108, 102868.	1.4	21
47	Creep Behavior of Poly(lactic acid) Based Biocomposites. <i>Materials</i> , 2017, 10, 395.	1.3	20
48	Epoxy resins as a matrix material in advanced fiber-reinforced polymer (FRP) composites. , 2013, , 88-121.		19
49	PBAT Based Composites Reinforced with Microcrystalline Cellulose Obtained from Softwood Almond Shells. <i>Polymers</i> , 2021, 13, 2643.	2.0	19
50	Three-Point Flexural Behaviour of GFRP Sandwich Composites: A Failure Map. <i>Advanced Composite Materials</i> , 2010, 19, 79-90.	1.0	17
51	On the response of flax fiber reinforced composites under salt-fog/dry conditions: Reversible and irreversible performances degradation. <i>Composites Part B: Engineering</i> , 2022, 230, 109535.	5.9	17
52	The durability of basalt fibres reinforced polymer (BFRP) panels for cladding. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016, 49, 2053-2064.	1.3	16
53	Assessment of performance degradation of hybrid flax-glass fiber reinforced epoxy composites during a salt spray fog/dry aging cycle. <i>Composites Part B: Engineering</i> , 2022, 238, 109897.	5.9	16
54	Effect of Silane Coupling Treatment on the Adhesion between Polyamide and Epoxy Based Composites Reinforced with Carbon Fibers. <i>Fibers</i> , 2020, 8, 48.	1.8	14

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55	Experimental assessment of the shield-to-salt-fog properties of basalt and glass fiber reinforced composites in cork core sandwich panels applications. <i>Composites Part B: Engineering</i> , 2018, 144, 29-36.	5.9	13
56	Assessment of Arundo donax Fibers for Oil Spill Recovery Applications. <i>Fibers</i> , 2019, 7, 75.	1.8	13
57	Bending test for capturing the vivid behavior of giant reeds, returned through a proper fractional visco-elastic model. <i>Mechanics of Materials</i> , 2015, 89, 159-168.	1.7	12
58	Pull-off adhesion of hybrid glass-steel adhesive joints in salt fog environment. <i>Journal of Adhesion Science and Technology</i> , 2016, 30, 2157-2174.	1.4	12
59	Failure maps to assess bearing performances of glass composite laminates. <i>Polymer Composites</i> , 2019, 40, 1087-1096.	2.3	11
60	Effect of UD Carbon on the Specific Mechanical Properties of Glass Mat Composites for Marine Applications. <i>Journal of Composite Materials</i> , 2010, 44, 1351-1364.	1.2	9
61	An Aging Evaluation of the Bearing Performances of Glass Fiber Composite Laminate in Salt Spray Fog Environment. <i>Fibers</i> , 2019, 7, 96.	1.8	9
62	An Innovative Treatment Based on Sodium Citrate for Improving the Mechanical Performances of Flax Fiber Reinforced Composites. <i>Polymers</i> , 2021, 13, 559.	2.0	9
63	In situ monitoring of moisture uptake of flax fiber reinforced composites under humid/dry conditions. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51969.	1.3	9
64	Evaluation of aging behavior under salt-fog spray conditions of green sandwich structures. <i>Journal of Natural Fibers</i> , 2019, 16, 977-986.	1.7	8
65	A simplified predictive approach to assess the mechanical behavior of pinned hybrid composites aged in salt-fog environment. <i>Composite Structures</i> , 2020, 249, 112589.	3.1	8
66	Multifunctional polyurethane foams with thermal energy storage/release capability. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 297-313.	2.0	7
67	Surface Modified Arundo Donax Natural Fibers for Oil Spill Recovery. <i>Journal of Natural Fibers</i> , 2022, 19, 8230-8245.	1.7	7
68	Effectiveness of Sodium Acetate Treatment on the Mechanical Properties and Morphology of Natural Fiber-Reinforced Composites. <i>Journal of Composites Science</i> , 2022, 6, 5.	1.4	7
69	Structural and Mechanical Modification Induced by Water Content in Giant Wild Reed (<i>A. donax</i> L.). <i>ACS Omega</i> , 2018, 3, 18510-18517.	1.6	6
70	Effect of Glass Fiber Hybridization on the Durability in Salt-Fog Environment of Pinned Flax Composites. <i>Polymers</i> , 2021, 13, 4201.	2.0	6
71	The Use of Waste Hazelnut Shells as a Reinforcement in the Development of Green Biocomposites. <i>Polymers</i> , 2022, 14, 2151.	2.0	6
72	Influence of anodizing surface treatment on the aging behavior in salt-fog environment of aluminum alloy 5083 to fiber reinforced composites adhesive joints. <i>Journal of Adhesion</i> , 2023, 99, 277-296.	1.8	5

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73	Influence of resin viscosity and vacuum level on mechanical performance of sandwich structures manufactured by vacuum bagging. <i>Advances in Polymer Technology</i> , 2010, 29, 20-30.	0.8	4
74	Evaluation of continuous filament mat influence on the bending behaviour of GFRP pultruded material via Electronic Speckle Pattern Interferometry. <i>Archives of Civil and Mechanical Engineering</i> , 2017, 17, 169-177.	1.9	4
75	Natural Fibres and Their Composites. <i>Polymers</i> , 2020, 12, 2380.	2.0	4
76	Photooxidation Behavior of a LDPE/Clay Nanocomposite Monitored through Creep Measurements. <i>Polymers</i> , 2017, 9, 308.	2.0	3
77	The effects of water absorption and salt fog exposure on agglomerated cork compressive response. <i>European Journal of Wood and Wood Products</i> , 0, , 1.	1.3	2
78	Bending test for capturing the fractional visco-elastic parameters: Theoretical and experimental investigation on giant reeds. , 2014, , .		1
79	Speckle Interferometry Analysis of Full-bending Behavior of GFRP Pultruded Material. <i>Procedia Engineering</i> , 2016, 161, 439-444.	1.2	1
80	Arundo Donax Fibers as Green Materials for Oil Spill Recovery. , 2020, , 259-283.		1