

Miguel Ángel Martínez

List of Publications by Year in descending order

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33
papers

1,102
citations

361296

20
h-index

414303

32
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33
all docs

33
docs citations

33
times ranked

1021
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface modifications of polycarbonate (PC) and acrylonitrile butadiene styrene (ABS) copolymer by treatment with atmospheric plasma. <i>Surface and Coatings Technology</i> , 2009, 203, 2173-2180.	2.2	108
2	Surface modification of aircraft used composites for adhesive bonding. <i>International Journal of Adhesion and Adhesives</i> , 2014, 50, 157-163.	1.4	100
3	Extreme durability of wettability changes on polyolefin surfaces by atmospheric pressure plasma torch. <i>Surface and Coatings Technology</i> , 2010, 205, 396-402.	2.2	94
4	Erosion-wear, mechanical and thermal properties of silica filled epoxy nanocomposites. <i>Composites Part B: Engineering</i> , 2017, 120, 42-53.	5.9	88
5	Study of the behaviour of adhesive joints of steel with CFRP for its application in bus structures. <i>Composites Part B: Engineering</i> , 2017, 129, 41-46.	5.9	75
6	Development of improved polypropylene adhesive bonding by abrasion and atmospheric plasma surface modifications. <i>International Journal of Adhesion and Adhesives</i> , 2012, 33, 1-6.	1.4	74
7	Recent Progress in Hybrid Biocomposites: Mechanical Properties, Water Absorption, and Flame Retardancy. <i>Materials</i> , 2020, 13, 5145.	1.3	52
8	Durability of steel-CFRP structural adhesive joints with polyurethane adhesives. <i>Composites Part B: Engineering</i> , 2019, 165, 1-9.	5.9	48
9	Effect of moisture and temperature on the thermal and mechanical properties of a ductile epoxy adhesive for use in steel structures reinforced with CFRP. <i>Composites Part B: Engineering</i> , 2019, 176, 107194.	5.9	46
10	Recent Progress in Carbon Fiber Reinforced Polymers Recycling: A Review of Recycling Methods and Reuse of Carbon Fibers. <i>Materials</i> , 2021, 14, 6401.	1.3	37
11	Effect of tetraethoxysilane coating on the improvement of plasma treated polypropylene adhesion. <i>Applied Surface Science</i> , 2013, 280, 850-857.	3.1	32
12	Modification of glass surfaces adhesion properties by atmospheric pressure plasma torch. <i>International Journal of Adhesion and Adhesives</i> , 2013, 44, 1-8.	1.4	31
13	Influence of the type of solvent on the development of superhydrophobicity from silane-based solution containing nanoparticles. <i>Applied Surface Science</i> , 2017, 397, 87-94.	3.1	31
14	Silane pretreatment of electrogalvanized steels: Effect on adhesive properties. <i>International Journal of Adhesion and Adhesives</i> , 2016, 65, 54-62.	1.4	30
15	Polymerization kinetics of boron carbide/epoxy composites. <i>Thermochimica Acta</i> , 2014, 575, 144-150.	1.2	27
16	Comparative Characterization of Hot-Pressed Polyamide 11 and 12: Mechanical, Thermal and Durability Properties. <i>Polymers</i> , 2021, 13, 3553.	2.0	27
17	Effect of moisture and temperature on thermal and mechanical properties of structural polyurethane adhesive joints. <i>Composite Structures</i> , 2020, 247, 112443.	3.1	26
18	Cold plasma effect on short glass fibre reinforced composites adhesion properties. <i>International Journal of Adhesion and Adhesives</i> , 2014, 48, 85-91.	1.4	25

#	ARTICLE	IF	CITATIONS
19	Characterization of hybrid biocomposite Poly-Butyl-Succinate/Carbon fibers/Flax fibers. Composites Part B: Engineering, 2021, 221, 109033.	5.9	24
20	Aging by moisture and/or temperature of epoxy/SiC composites: Thermal and mechanical properties. Journal of Composite Materials, 2015, 49, 2963-2975.	1.2	23
21	Development of Silane-Based Coatings with Zirconia Nanoparticles Combining Wetting, Tribological, and Aesthetical Properties. Coatings, 2018, 8, 368.	1.2	20
22	Atmospheric plasma torch treatment of polyethylene/boron composites: Effect on thermal stability. Surface and Coatings Technology, 2014, 239, 70-77.	2.2	16
23	Intensity of singular stress field (ISSF) variation as a function of the Young's modulus in single lap adhesive joints. International Journal of Adhesion and Adhesives, 2019, 95, 102418.	1.4	13
24	Novel application of a thermoplastic composite with improved matrix-fiber interface. Journal of Materials Research and Technology, 2019, 8, 5536-5547.	2.6	12
25	Environmentally Friendly Plasma Activation of Acrylonitrile-Butadiene-Styrene and Polydimethylsiloxane Surfaces to Improve Paint Adhesion. Coatings, 2018, 8, 428.	1.2	10
26	Effect of APPT Treatment on Mechanical Properties and Durability of Green Composites with Woven Flax. Materials, 2020, 13, 4762.	1.3	10
27	Analytical solution to calculate the stress distribution in pin-and-collar samples bonded with anaerobic adhesives (following ISO 10123 standard). International Journal of Adhesion and Adhesives, 2008, 28, 405-410.	1.4	8
28	Influence of sample dimensions on single lap joints: effect of interactions between parameters. Journal of Adhesion, 2020, , 1-12.	1.8	5
29	Manufacturing of Porous Boron Steels Potentially Useful as Nuclear Materials. Journal of Nuclear Science and Technology, 2006, 43, 866-873.	0.7	3
30	Evaluation of Adhesion Improvement of a GFRP Treated with Atmospheric Plasma Torch. Journal of Adhesion, 2015, 91, 937-949.	1.8	3
31	One-Step Enameling and Sintering of Low-Carbon Steels. Metals, 2021, 11, 1007.	1.0	3
32	Characterization a polyurethane-based reactive hot melt adhesive for applications in materials. DYNA (Colombia), 2019, 86, 247-253.	0.2	1
33	Effect of Sintering Temperature on the Formation of Intermetallics in Al-Fe-B Nanocomposite. Materials Science Forum, 0, 802, 130-134.	0.3	0