

Chiara Mandolfino

List of Publications by Year in descending order

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36
papers

451
citations

840776

11
h-index

794594

19
g-index

36
all docs

36
docs citations

36
times ranked

466
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Laser and Plasma Surface Cleaning on Mechanical Properties of Adhesive Bonded Joints. <i>Procedia CIRP</i> , 2015, 33, 458-463.	1.9	68
2	Influence of cold plasma treatment parameters on the mechanical properties of polyamide homogeneous bonded joints. <i>Surface and Coatings Technology</i> , 2017, 313, 222-229.	4.8	41
3	Functionalization of Neutral Polypropylene by Using Low Pressure Plasma Treatment: Effects on Surface Characteristics and Adhesion Properties. <i>Polymers</i> , 2019, 11, 202.	4.5	41
4	Polypropylene surface modification by low pressure plasma to increase adhesive bonding: Effect of process parameters. <i>Surface and Coatings Technology</i> , 2019, 366, 331-337.	4.8	40
5	Improving adhesion performance of polyethylene surfaces by cold plasma treatment. <i>Meccanica</i> , 2014, 49, 2299-2306.	2.0	22
6	Low-pressure plasma treatment of CFRP substrates for epoxy-adhesive bonding: an investigation of the effect of various process gases. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 102, 3021-3035.	3.0	22
7	Effect of Cold Plasma Treatment on Surface Roughness and Bonding Strength of Polymeric Substrates. <i>Key Engineering Materials</i> , 0, 611-612, 1484-1493.	0.4	19
8	Low pressure plasma treatment of CFRP substrates for adhesive bonding: an investigation of joint durability under severe temperature-moisture conditioning. <i>International Journal of Adhesion and Adhesives</i> , 2020, 99, 102592.	2.9	19
9	Appraisal of surface preparation in adhesive bonding of additive manufactured substrates. <i>International Journal of Adhesion and Adhesives</i> , 2021, 106, 102802.	2.9	19
10	Effect of Surface Pretreatment on the Performance of Adhesive-Bonded Joints. <i>Key Engineering Materials</i> , 0, 554-557, 996-1006.	0.4	16
11	Thermal barrier coatings based on alumina microparticles. <i>Progress in Organic Coatings</i> , 2015, 78, 124-132.	3.9	16
12	Fatigue assessment of AA 8090 friction stir butt welds after surface finishing treatment. <i>Aerospace Science and Technology</i> , 2013, 27, 188-192.	4.8	15
13	Mechanical Behaviour of Inconel 718 Thin-Walled Laser Welded Components for Aircraft Engines. <i>International Journal of Aerospace Engineering</i> , 2014, 2014, 1-9.	0.9	12
14	Durability of polyamide bonded joints: influence of surface pre-treatment. <i>International Journal of Adhesion and Adhesives</i> , 2018, 86, 123-130.	2.9	11
15	Influence of Adhesive in FSW: Investigation on Fatigue Behavior of Welded, Weld-Bonded, and Adhesive-Bonded Joints in Aluminum AA 6082 T6. <i>Materials</i> , 2019, 12, 1242.	2.9	11
16	Comparing the adhesion strength of 316L stainless steel joints after laser surface texturing by CO ₂ and fiber lasers. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 109, 1059-1069.	3.0	10
17	A design-of-experiments approach to estimate the effect of plasma-treatment parameters on the mechanical resistance of adhesive-bonded joints. <i>Journal of Manufacturing Processes</i> , 2021, 67, 177-194.	5.9	10
18	Effect of process gases in vacuum plasma treatment on adhesion properties of titanium alloy substrates. <i>International Journal of Adhesion and Adhesives</i> , 2018, 86, 113-122.	2.9	9

#	ARTICLE	IF	CITATIONS
19	Experimental investigation of the static and fatigue behavior of hybrid ductile adhesive-RSWelded joints in a DP 1000 steel. International Journal of Adhesion and Adhesives, 2019, 95, 102400.	2.9	7
20	Comparative evaluation of the effect of the substrate thickness and inherent process defects on the static and fatigue performance of FSW and adhesive-bonded overlap-joints in an AA6016 alloy. Journal of Manufacturing Processes, 2021, 64, 785-792.	5.9	6
21	Effect of Welding Parameters on AA8090 Al-Li Alloy FSW T-Joints. Key Engineering Materials, 0, 554-557, 985-995.	0.4	5
22	Environmental effects on methacrylate adhesive. Welding International, 2014, 28, 372-379.	0.7	5
23	Comparison between FSW and bonded lap joints – A preliminary investigation. AIP Conference Proceedings, 2017, , .	0.4	4
24	Cold Plasma Pretreatment of Carbon Fibre Composite Substrates to Improve Adhesive Bonding Performance. Advances in Aerospace Engineering, 2014, 2014, 1-7.	0.3	3
25	Friction stir welding between extrusions and laminates. Welding International, 2015, 29, 117-123.	0.7	3
26	Comparative characterization of the surface state of Ti-6Al-4V substrates in different pre-bonding conditions. Journal of Advanced Joining Processes, 2021, 3, 100058.	2.7	3
27	Ti 6Al-4V FSW Weldability: Mechanical Characterization and Fatigue Life Analysis. Key Engineering Materials, 2014, 611-612, 1476-1483.	0.4	2
28	Influence of FSW pin tool geometry on plastic flow of AA7075 T651. AIP Conference Proceedings, 2016, , .	0.4	2
29	Neutral polypropylene laser welding. AIP Conference Proceedings, 2016, , .	0.4	2
30	Laser welding of polypropylene using two different sources. AIP Conference Proceedings, 2017, , .	0.4	2
31	Laser surface texturing of polypropylene to increase adhesive bonding. AIP Conference Proceedings, 2018, , .	0.4	2
32	Laser surface pre-treatment of polyolefin substrates for adhesive bonding. AIP Conference Proceedings, 2019, , .	0.4	2
33	Investigation on gas metal arc weldability of a high strength tool steel. Materials & Design, 2014, 56, 345-352.	5.1	1
34	Effect of fibre laser marking on surface properties and corrosion resistance of a Fe-Ni-Cr alloy. AIP Conference Proceedings, 2017, , .	0.4	1
35	Experimental investigation of fiberglass sandwich composite bending behaviour after severe aging condition. AIP Conference Proceedings, 2016, , .	0.4	0
36	Hybrid FSWeld-bonded joint fatigue behaviour. AIP Conference Proceedings, 2018, , .	0.4	0