

J Abenojar

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

114
papers

2,109
citations

27
h-index

41
g-index

117
ext. papers

2,437
ext. citations

3.2
avg, IF

5.19
L-index

#	Paper	IF	Citations
114	Recent Progress in Carbon Fiber Reinforced Polymers Recycling: A Review of Recycling Methods and Reuse of Carbon Fibers. <i>Materials</i> , 2021 , 14,	3.5	10
113	Mechanical properties and fire-resistance of composites with marble particles. <i>Journal of Materials Research and Technology</i> , 2021 , 12, 1403-1417	5.5	5
112	One-Step Enameling and Sintering of Low-Carbon Steels. <i>Metals</i> , 2021 , 11, 1007	2.3	2
111	Advanced G-MPS-PMMA Bone Cements: Influence of Graphene Silanisation on Fatigue Performance, Thermal Properties and Biocompatibility. <i>Nanomaterials</i> , 2021 , 11,	5.4	1
110	Characterization of hybrid biocomposite Poly-Butyl-Succinate/Carbon fibers/Flax fibers. <i>Composites Part B: Engineering</i> , 2021 , 221, 109033	10	4
109	Thermal characterization and diffusivity of two mono-component epoxies for transformer insulation. <i>International Journal of Adhesion and Adhesives</i> , 2020 , 103, 102726	3.4	4
108	Effect of moisture and temperature on thermal and mechanical properties of structural polyurethane adhesive joints. <i>Composite Structures</i> , 2020 , 247, 112443	5.3	10
107	Influence of sample dimensions on single lap joints: effect of interactions between parameters 2020 , 1-12		2
106	Mechanical Characterisation of Graded Single Lap Joints Using Magnetised Cork Microparticles. <i>Advanced Structured Materials</i> , 2020 , 153-174	0.6	1
105	Coating cork particles with iron oxide: effect on magnetic properties. <i>Wood Science and Technology</i> , 2020 , 54, 869-889	2.5	5
104	Effect of silica nanoparticles on the curing kinetics and erosion wear of an epoxy powder coating. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 455-464	5.5	11
103	Recent Progress in Hybrid Biocomposites: Mechanical Properties, Water Absorption, and Flame Retardancy. <i>Materials</i> , 2020 , 13,	3.5	17
102	Effect of APPT Treatment on Mechanical Properties and Durability of Green Composites with Woven Flax. <i>Materials</i> , 2020 , 13,	3.5	4
101	Intensity of singular stress field (ISSF) variation as a function of the Young's modulus in single lap adhesive joints. <i>International Journal of Adhesion and Adhesives</i> , 2019 , 95, 102418	3.4	9
100	Graphene Oxide and Graphene Reinforced PMMA Bone Cements: Evaluation of Thermal Properties and Biocompatibility. <i>Materials</i> , 2019 , 12,	3.5	17
99	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	10	25
98	Novel application of a thermoplastic composite with improved matrix-fiber interface. <i>Journal of Materials Research and Technology</i> , 2019 , 8, 5536-5547	5.5	6

97	Characterization a polyurethane-based reactive hot melt adhesive for applications in materials. <i>DYNA (Colombia)</i> , 2019 , 86, 247-253	0.6	1
96	Decomposition kinetics and lifetime estimation of natural fiber reinforced composites: Influence of plasma treatment and fiber type. <i>Journal of Industrial Textiles</i> , 2019 , 152808371988604	1.6	
95	Tribological and Mechanical Properties of Polyester Based Composites with SiC Particles. <i>Lecture Notes in Mechanical Engineering</i> , 2019 , 789-795	0.4	
94	Durability of Steel Joints with Ductile Adhesive Subjected to Fatigue Tests. <i>Lecture Notes in Mechanical Engineering</i> , 2019 , 458-463	0.4	
93	Durability of steel-CFRP structural adhesive joints with polyurethane adhesives. <i>Composites Part B: Engineering</i> , 2019 , 165, 1-9	10	28
92	Development of superhydrophobic coatings on AISI 304 austenitic stainless steel with different surface pretreatments. <i>Thin Solid Films</i> , 2019 , 671, 22-30	2.2	18
91	Influence of Low Pressure Plasma Treatment on the Durability of Thermoplastic Composites LDPE-flax/coconut under Thermal and Humidity Conditions. <i>Fibers and Polymers</i> , 2018 , 19, 1327-1334	2	16
90	Environmentally Friendly Plasma Activation of AcrylonitrileButadieneStyrene and Polydimethylsiloxane Surfaces to Improve Paint Adhesion. <i>Coatings</i> , 2018 , 8, 428	2.9	8
89	Infiltration behaviour of liquids over fibres or woven. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 369, 012012	0.4	
88	Development of Silane-Based Coatings with Zirconia Nanoparticles Combining Wetting, Tribological, and Aesthetical Properties. <i>Coatings</i> , 2018 , 8, 368	2.9	14
87	Kinetics of curing process in carbon/epoxy nano-composites. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 369, 012011	0.4	6
86	Influence of plasma treatment on the adhesion between a polymeric matrix and natural fibres. <i>Cellulose</i> , 2017 , 24, 1791-1801	5.5	31
85	Analysis of the effect of size, amount and surface treatment on the tensile strain of a brittle adhesive reinforced with micro cork particles. <i>Applied Adhesion Science</i> , 2017 , 5,	1.4	4
84	Fracture toughness in Mode I (GIC) for ductile adhesives. <i>Journal of Physics: Conference Series</i> , 2017 , 843, 012008	0.3	1
83	Erosion-wear, mechanical and thermal properties of silica filled epoxy nanocomposites. <i>Composites Part B: Engineering</i> , 2017 , 120, 42-53	10	62
82	Micro Cork Particles as Adhesive Reinforcement Material for Brittle Resins. <i>Advanced Structured Materials</i> , 2017 , 399-418	0.6	1
81	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	10	51
80	Wear resistance of hydrophobic surfaces. <i>Journal of Physics: Conference Series</i> , 2017 , 843, 012067	0.3	

79	Toughness of a brittle epoxy resin reinforced with micro cork particles: Effect of size, amount and surface treatment. <i>Composites Part B: Engineering</i> , 2017 , 114, 299-310	10	47
78	Effect of atmospheric plasma torch on ballistic woven aramid. <i>Textile Reseach Journal</i> , 2017 , 87, 2358-2367		4
77	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	6.7	25
76	Wear resistance of polypropylene-SiC composite. <i>Journal of Physics: Conference Series</i> , 2017 , 843, 012066.3		
75	Silane pretreatment of electrogalvanized steels: Effect on adhesive properties. <i>International Journal of Adhesion and Adhesives</i> , 2016 , 65, 54-62	3-4	23
74	Influence of Acrylic Adhesive Viscosity and Surface Roughness on the Properties of Adhesive Joint 2016 , 92, 877-891		22
73	Experimental method for the determination of material parameters of plasticity models for toughened adhesives. <i>International Journal of Adhesion and Adhesives</i> , 2016 , 68, 182-187	3-4	5
72	Mechanical and thermal behaviour of an acrylic bone cement modified with a triblock copolymer. <i>Journal of Materials Science: Materials in Medicine</i> , 2016 , 27, 72	4-5	2
71	Aging by moisture and/or temperature of epoxy/SiC composites: Thermal and mechanical properties. <i>Journal of Composite Materials</i> , 2015 , 49, 2963-2975	2-7	21
70	Tensile Strength of a Brittle Epoxy Resin Reinforced with Micro Cork Particles: Effect of Size, Amount and Surface Treatment. <i>Microscopy and Microanalysis</i> , 2015 , 21 Suppl 5, 9-10	0-5	4
69	Evaluation of Elution and Mechanical Properties of High-Dose Antibiotic-Loaded Bone Cement: Comparative "In Vitro" Study of the Influence of Vancomycin and Cefazolin. <i>Journal of Arthroplasty</i> , 2015 , 30, 1423-9	4-4	53
68	Evaluation of Adhesion Improvement of a GFRP Treated with Atmospheric Plasma Torch 2015 , 91, 937-949		2
67	Kinetic analysis and characterization of an epoxy/cork adhesive. <i>Thermochimica Acta</i> , 2015 , 604, 52-60	2-9	29
66	Surface modification of aircraft used composites for adhesive bonding. <i>International Journal of Adhesion and Adhesives</i> , 2014 , 50, 157-163	3-4	71
65	Cavitation resistance of epoxy-based multilayer coatings: Surface damage and crack growth kinetics during the incubation stage. <i>Wear</i> , 2014 , 316, 124-132	3-5	17
64	Cold plasma effect on short glass fibre reinforced composites adhesion properties. <i>International Journal of Adhesion and Adhesives</i> , 2014 , 48, 85-91	3-4	20
63	Effect of surface treatments on natural cork: surface energy, adhesion, and acoustic insulation. <i>Wood Science and Technology</i> , 2014 , 48, 207-224	2-5	35
62	Polymerization kinetics of boron carbide/epoxy composites. <i>Thermochimica Acta</i> , 2014 , 575, 144-150	2-9	25

61	Influence of the physiological medium on the mechanical properties of bone cement: Can current studies be extrapolated?. <i>Revista Española De Cirugía Ortopédica Y Traumatología</i> , 2014 , 58, 3-10	0.4	1
60	Atmospheric plasma torch treatment of polyethylene/boron composites: Effect on thermal stability. <i>Surface and Coatings Technology</i> , 2014 , 239, 70-77	4.4	14
59	Effect of Sintering Temperature on the Formation of Intermetallics in Al-Fe-B Nanocomposite. <i>Materials Science Forum</i> , 2014 , 802, 130-134	0.4	
58	Microstructural influence on corrosion properties of aluminium composites reinforced with amorphous iron borides. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2014 , 65, 678-684	1.6	10
57	Polyolefinic Surface Activation by Low and Atmospheric Pressure Plasma Treatments. <i>Materials Science Forum</i> , 2014 , 805, 149-154	0.4	
56	Behaviour of Fluids in Porous Materials. <i>Materials Science Forum</i> , 2014 , 802, 303-308	0.4	1
55	Effects of vancomycin, cefazolin and test conditions on the wear behavior of bone cement. <i>Journal of Arthroplasty</i> , 2014 , 29, 16-22	4.4	10
54	Assessment of atmospheric plasma treatment cleaning effect on steel surfaces. <i>Surface and Coatings Technology</i> , 2013 , 236, 450-456	4.4	27
53	Utilizaçã de micro part�culas de corti�a como material de refor� em adesivos estruturais fr�geis. <i>Ci�ncia & Tecnologia Dos Materiais</i> , 2013 , 25, 42-49		5
52	Modification of glass surfaces adhesion properties by atmospheric pressure plasma torch. <i>International Journal of Adhesion and Adhesives</i> , 2013 , 44, 1-8	3.4	25
51	Effect of tetraethoxysilane coating on the improvement of plasma treated polypropylene adhesion. <i>Applied Surface Science</i> , 2013 , 280, 850-857	6.7	29
50	Atmospheric Pressure Plasma Hydrophilic Modification of a Silicone Surface 2012 , 88, 321-336		21
49	Epoxy Composite Reinforced with Nano and Micro SiC Particles: Curing Kinetics and Mechanical Properties 2012 , 88, 418-434		59
48	Quasi-Static Constitutive and Strength Tests 2012 , 79-162		3
47	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	3.4	51
46	Influence of the Size and Amount of Cork Particles on the Impact Toughness of a Structural Adhesive 2012 , 88, 452-470		38
45	Effect of Moisture and Temperature on the Mechanical Properties of an Epoxy Reinforced with Boron Carbide. <i>Journal of Adhesion Science and Technology</i> , 2011 , 25, 2445-2460	2	28
44	Effect of EtOH/H2O Ratio and pH on Bis-Sulfur Silane Solutions for Electrogalvanized Steel Joints Based on Anaerobic Adhesives 2011 , 87, 688-708		5

43	Influence of Surface Preparation on the Fracture Behavior of Acrylic Adhesive/CFRP Composite Joints 2011 , 87, 366-381		24
42	Influence of thread geometry on the performance of retaining anaerobic adhesives. <i>International Journal of Adhesion and Adhesives</i> , 2011 , 31, 429-433	3-4	3
41	The Influence of pH on the Hydrolysis Process of γ Methacryloxypropyltrimethoxysilane, Analyzed by FT-IR, and the Silanization of ElectroGalvanized Steel. <i>Journal of Adhesion Science and Technology</i> , 2010 , 24, 1131-1143	2	27
40	Structural and Mechanical Characterization of γ Methacryloxypropyltrimethoxysilane (MPS) on Zn-Electrocoated Steel. <i>Journal of Adhesion Science and Technology</i> , 2010 , 24, 1885-1901	2	7
39	Control of Wettability of Polymers by Surface Roughness Modification. <i>Journal of Adhesion Science and Technology</i> , 2010 , 24, 1869-1883	2	52
38	Preparation of Cutting Inserts with Binder of UHCS. <i>Materials Science Forum</i> , 2010 , 660-661, 399-404	0-4	
37	Study by XPS of an Atmospheric Plasma-Torch Treated Glass: Influence on Adhesion. <i>Journal of Adhesion Science and Technology</i> , 2010 , 24, 1841-1854	2	12
36	Study through Potentiodynamic Techniques of the Corrosion Resistance of Different Aluminium Base MMCs with Boron Additions. <i>Materials Science Forum</i> , 2010 , 660-661, 203-208	0-4	3
35	The Effect of Surface Treatment on the Behavior of Toughened Acrylic Adhesive/GRP(epoxy) Composite Joints. <i>Journal of Adhesion Science and Technology</i> , 2010 , 24, 1903-1916	2	26
34	Extreme durability of wettability changes on polyolefin surfaces by atmospheric pressure plasma torch. <i>Surface and Coatings Technology</i> , 2010 , 205, 396-402	4-4	80
33	Friction of PM ferritic stainless steels at temperatures up to 300°C. <i>Tribology International</i> , 2009 , 42, 1199-1205	4-9	9
32	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	4-4	97
31	Analysis of hydrolysis process of γ Methacryloxypropyltrimethoxysilane and its influence on the formation of silane coatings on 6063 aluminum alloy. <i>Applied Surface Science</i> , 2009 , 255, 6386-6390	6-7	97
30	Effect of Boron Carbide Filler on the Curing and Mechanical Properties of an Epoxy Resin 2009 , 85, 216-238		85
29	Effect of Silane Treatment on SiC Particles Used as Reinforcement in Epoxy Resins 2009 , 85, 287-301		41
28	Optimization of the Design of a Double-Cup Specimen Using the Finite Element Method for Testing Adhesive Bonds Under Tensile Loads. <i>Journal of Adhesion Science and Technology</i> , 2009 , 23, 1357-1368	2	
27	Influence of Silanisation Parameters With γ Methacryloxypropyltrimethoxysilane on Durability of Aluminium/Acrylic Adhesive Joints. <i>Journal of Adhesion Science and Technology</i> , 2008 , 22, 1461-1475	2	10
26	Study of the System Mo-Fe-B for Wear-Resistant Materials. <i>Materials Science Forum</i> , 2008 , 591-593, 265-270		

25	Sintered High Carbon Steels: Effect of Thermomechanical Treatments on their Mechanical and Wear Performance. <i>Materials Science Forum</i> , 2008 , 591-593, 271-276	0.4	1
24	Analytical solution to calculate the stress distribution in pin-and-collar samples bonded with anaerobic adhesives (following ISO 10123 standard). <i>International Journal of Adhesion and Adhesives</i> , 2008 , 28, 405-410	3.4	8
23	Optimization of processing parameters for the Al + 10% B4C system obtained by mechanical alloying. <i>Journal of Materials Processing Technology</i> , 2007 , 184, 441-446	5.3	78
22	Analysis of substrate preparation and curing position on mechanical properties of adhesive joints using statistical methods. <i>Journal of Adhesion Science and Technology</i> , 2007 , 21, 1045-1058	2	4
21	Analysis of shear strength of cylindrical assemblies with anaerobic adhesives using Weibull statistics. <i>Journal of Adhesion Science and Technology</i> , 2007 , 21, 1659-1669	2	3
20	Sintering Stainless Steels with Boron Addition in Nitrogen Base Atmosphere. <i>Materials Science Forum</i> , 2007 , 534-536, 733-736	0.4	2
19	Influence of Forming on the Mechanical Properties of the Al + 50 % B4C System. <i>Materials Science Forum</i> , 2006 , 530-531, 304-309	0.4	
18	Ultra High Carbon Steels Obtained by Powder Metallurgy. <i>Materials Science Forum</i> , 2006 , 530-531, 328-333		1
17	Adhesive bonding of aluminium with structural acrylic adhesives: durability in wet environments. <i>Journal of Adhesion Science and Technology</i> , 2006 , 20, 1801-1818	2	38
16	Manufacturing of Porous Boron Steels Potentially Useful as Nuclear Materials. <i>Journal of Nuclear Science and Technology</i> , 2006 , 43, 866-873	1	1
15	Effect of the boron content in the aluminium/boron composite. <i>Journal of Alloys and Compounds</i> , 2006 , 422, 67-72	5.7	21
14	Differential thermal analysis of the Al+20% (FeB0%B) system. <i>Journal of Solid State Chemistry</i> , 2006 , 179, 2787-2790	3.3	11
13	Influence of the sintering temperature on mechanical properties of the Al + 20 % Fe/B system. <i>Revista De Metalurgia</i> , 2006 , 42,	0.4	3
12	Borides and vitreous compounds sintered as high-energy fuels. <i>Journal of Solid State Chemistry</i> , 2004 , 177, 619-627	3.3	21
11	Preparation of Fe/B powders by mechanical alloying. <i>Journal of Solid State Chemistry</i> , 2004 , 177, 382-388	3.3	18
10	Atmosphere influence in sintering process of stainless steels matrix composites reinforced with hard particles. <i>Composites Science and Technology</i> , 2003 , 63, 69-79	8.6	42
9	Effect of intermetallic particles on wear behaviour of stainless steel matrix composites. <i>Tribology International</i> , 2003 , 36, 547-551	4.9	29
8	Influence of carbon and aluminium additions on the Fe10% B (wt.) system. <i>Journal of Materials Processing Technology</i> , 2003 , 143-144, 28-33	5.3	12

7	Numerical approach for estimating the elastic modulus in MMCs as a function of sintering temperature. <i>Journal of Materials Processing Technology</i> , 2003 , 143-144, 698-702	5.3	3
6	Study of the interfaces between austenite and ferrite grains in P/M duplex stainless steels. <i>Journal of the European Ceramic Society</i> , 2003 , 23, 2813-2819	6	34
5	Oxidation resistance of sintered stainless steels: effect of yttria additions. <i>Corrosion Science</i> , 2003 , 45, 1343-1354	6.8	52
4	Effect of Refractory Element Additions on the Properties of Sintered Stainless Steels. <i>Materials Science Forum</i> , 2003 , 416-418, 381-387	0.4	
3	Reinforcing 316L stainless steel with intermetallic and carbide particles. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2002 , 335, 1-5	5.3	44
2	Atmosphere Influence on Sintered 316L Austenitic Stainless Steel Matrix Composites Reinforced with Intermetallic and Carbide Particles. <i>Key Engineering Materials</i> , 2002 , 230-232, 102-105	0.4	
1	Development of a green epoxy adhesive for cork by adding lignin: thermal and bonding properties. <i>Wood Science and Technology</i> , 1	2.5	