

# Alejandro Urea

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/4813220/alejandro-urena-publications-by-citations.pdf>

**Version:** 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

165  
papers

4,379  
citations

34  
h-index

58  
g-index

174  
ext. papers

4,971  
ext. citations

4.5  
avg, IF

5.63  
L-index

#	Paper	IF	Citations
165	Recent progress in research on tungsten materials for nuclear fusion applications in Europe. <i>Journal of Nuclear Materials</i> , <b>2013</b> , 432, 482-500	3.3	494
164	Advantages and disadvantages of the addition of graphene nanoplatelets to epoxy resins. <i>European Polymer Journal</i> , <b>2014</b> , 61, 206-214	5.2	130
163	Oxidation treatments for SiC particles used as reinforcement in aluminium matrix composites. <i>Composites Science and Technology</i> , <b>2004</b> , 64, 1843-1854	8.6	118
162	Comparative study on the adhesive properties of different epoxy resins. <i>International Journal of Adhesion and Adhesives</i> , <b>2006</b> , 26, 125-132	3.4	115
161	Effect of the carbon nanotube functionalization on flexural properties of multiscale carbon fiber/epoxy composites manufactured by VARIM. <i>Composites Part B: Engineering</i> , <b>2013</b> , 45, 1613-1619	10	112
160	Effect of surface pre-treatment on the adhesive strength of epoxy-aluminium joints. <i>International Journal of Adhesion and Adhesives</i> , <b>2009</b> , 29, 23-31	3.4	109
159	Influence of interface reactions on fracture mechanisms in TIG arc-welded aluminium matrix composites. <i>Composites Science and Technology</i> , <b>2000</b> , 60, 613-622	8.6	102
158	Electroless nickel coated short carbon fibres in aluminium matrix composites. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2007</b> , 38, 566-575	8.4	97
157	In situ processing of epoxy composites reinforced with graphene nanoplatelets. <i>Composites Science and Technology</i> , <b>2013</b> , 86, 185-191	8.6	90
156	Characterization of interfacial mechanical properties in carbon fiber/aluminium matrix composites by the nanoindentation technique. <i>Composites Science and Technology</i> , <b>2005</b> , 65, 2025-2038	8.6	90
155	Thermo-physical characterisation of epoxy resin reinforced by amino-functionalized carbon nanofibers. <i>Composites Science and Technology</i> , <b>2009</b> , 69, 349-357	8.6	88
154	Water uptake of epoxy composites reinforced with carbon nanofillers. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2012</b> , 43, 2169-2175	8.4	86
153	Effects of dispersion techniques of carbon nanofibers on the thermo-physical properties of epoxy nanocomposites. <i>Composites Science and Technology</i> , <b>2008</b> , 68, 2722-2730	8.6	86
152	Weldability of a 2205 duplex stainless steel using plasma arc welding. <i>Journal of Materials Processing Technology</i> , <b>2007</b> , 182, 624-631	5.3	79
151	Strain monitoring mechanisms of sensors based on the addition of graphene nanoplatelets into an epoxy matrix. <i>Composites Science and Technology</i> , <b>2016</b> , 123, 65-70	8.6	71
150	Graphene nanoplatelets thickness and lateral size influence on the morphology and behavior of epoxy composites. <i>European Polymer Journal</i> , <b>2014</b> , 53, 292-301	5.2	63
149	A brief summary of the progress on the EFDA tungsten materials program. <i>Journal of Nuclear Materials</i> , <b>2013</b> , 442, S173-S180	3.3	63

148	Corrosion behaviour of AA6061 and AA7005 reinforced with Al <sub>2</sub> O <sub>3</sub> particles in aerated 3.5% chloride solutions: potentiodynamic measurements and microstructure evaluation. <i>Corrosion Science</i> , <b>1998</b> , 41, 529-545	6.8	60
147	Effect of copper electroless coatings on the interaction between a molten AlSiMg alloy and coated short carbon fibres. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2007</b> , 38, 1947-1956	8.4	57
146	Improving the flexural and thermomechanical properties of amino-functionalized carbon nanotube/epoxy composites by using a pre-curing treatment. <i>Composites Science and Technology</i> , <b>2011</b> , 71, 765-771	8.6	56
145	Effect of reinforcement coatings on the dry sliding wear behaviour of aluminium/SiC particles/carbon fibres hybrid composites. <i>Wear</i> , <b>2009</b> , 266, 1128-1136	3.5	55
144	Thermal conductivity and lap shear strength of GNP/epoxy nanocomposites adhesives. <i>International Journal of Adhesion and Adhesives</i> , <b>2016</b> , 68, 407-410	3.4	51
143	Characterization of carbon nanofiber/epoxy nanocomposites by the nanoindentation technique. <i>Composites Part B: Engineering</i> , <b>2011</b> , 42, 638-644	10	51
142	Mode-I adhesive fracture energy of carbon fibre composite joints with nanoreinforced epoxy adhesives. <i>International Journal of Adhesion and Adhesives</i> , <b>2011</b> , 31, 695-703	3.4	48
141	High temperature soldering of SiC particulate aluminium matrix composites (series 2000) using ZnAl filler alloys. <i>Science and Technology of Welding and Joining</i> , <b>2001</b> , 6, 1-11	3.7	47
140	Fabrication of aluminium composites reinforced with carbon fibres by a centrifugal infiltration process. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2010</b> , 41, 1605-1611	8.4	45
139	Critical parameters of carbon nanotube reinforced composites for structural health monitoring applications: Empirical results versus theoretical predictions. <i>Composites Science and Technology</i> , <b>2019</b> , 171, 44-53	8.6	45
138	Graphene nanoplatelets coated glass fibre fabrics as strain sensors. <i>Composites Science and Technology</i> , <b>2017</b> , 146, 59-64	8.6	44
137	New alignment procedure of magnetite/Fe <sub>3</sub> O <sub>4</sub> hybrid nanofillers on epoxy bulk resin with permanent magnets. <i>Composites Part B: Engineering</i> , <b>2013</b> , 46, 166-172	10	43
136	Nanoreinforced Epoxy Adhesives for Aerospace Industry <b>2009</b> , 85, 180-199		42
135	Dissimilar welds between unreinforced AA6082 and AA6092/SiC/25p composite by pulsed-MIG arc welding using unreinforced filler alloys (AlSiMg and AlSi). <i>Journal of Materials Processing Technology</i> , <b>2003</b> , 143-144, 846-850	5.3	41
134	Effect of silica coatings on interfacial mechanical properties in aluminium/SiC composites characterized by nanoindentation. <i>Scripta Materialia</i> , <b>2005</b> , 52, 977-982	5.6	40
133	Study of the effect of substrate roughness on adhesive joints by SEM image analysis. <i>Journal of Adhesion Science and Technology</i> , <b>2006</b> , 20, 457-470	2	37
132	Special features of the formation of the diffusion bonded joints between copper and aluminium. <i>Journal of Materials Science</i> , <b>1988</b> , 23, 2273-2280	4.3	36
131	Influence of Thickness and Lateral Size of Graphene Nanoplatelets on Water Uptake in Epoxy/Graphene Nanocomposites. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 1550	2.6	34

130	Hygrothermal ageing of adhesive joints with nanoreinforced adhesives and different surface treatments of carbon fibre/epoxy substrates. <i>International Journal of Adhesion and Adhesives</i> , <b>2013</b> , 40, 179-187	3-4	31
129	Sol-gel coatings of low sintering temperature for corrosion protection of ZE41 magnesium alloy. <i>Surface and Coatings Technology</i> , <b>2011</b> , 205, 4183-4191	4-4	31
128	The influence of mechanical dispersion of MWCNT in epoxy matrix by calendaring method: Batch method versus time controlled. <i>Composites Part B: Engineering</i> , <b>2013</b> , 48, 88-94	10	30
127	Rheological Behaviour of Nanoreinforced Epoxy Adhesives of Low Electrical Resistivity for Joining Carbon Fiber/Epoxy Laminates. <i>Journal of Adhesion Science and Technology</i> , <b>2010</b> , 24, 1097-1112	2	29
126	Effect of temperature on sintered austeno-ferritic stainless steel microstructure. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 463, 552-558	5-7	28
125	Influence of the functionalization of carbon nanotubes on calendaring dispersion effectiveness in a low viscosity resin for VARIM processes. <i>Composites Part B: Engineering</i> , <b>2012</b> , 43, 3482-3490	10	27
124	Adhesive bonding of carbon fibre/epoxy laminates: Correlation between surface and mechanical properties. <i>Surface and Coatings Technology</i> , <b>2012</b> , 207, 602-607	4-4	27
123	Diffusion bonding of Ti-6Al-4V alloy at low temperature: metallurgical aspects. <i>Journal of Materials Science</i> , <b>1992</b> , 27, 391-398	4-3	27
122	Evaluation of mechanically alloyed Cu-based powders as filler alloy for brazing tungsten to a reduced activation ferritic-martensitic steel. <i>Journal of Nuclear Materials</i> , <b>2017</b> , 490, 188-196	3-3	26
121	Self-stratifying and orientation of exfoliated few-layer graphene nanoplatelets in epoxy composites. <i>Composites Science and Technology</i> , <b>2013</b> , 85, 136-141	8.6	26
120	Experimental study of WEurofer laser brazing for divertor application. <i>Journal of Nuclear Materials</i> , <b>2011</b> , 418, 239-248	3-3	26
119	Diffusion bonding of an aluminium-copper alloy reinforced with silicon carbide particles (AA2014/SiC/13p) using metallic interlayers. <i>Scripta Materialia</i> , <b>1996</b> , 35, 1285-1293	5.6	26
118	Toughening effect of carbon nanotubes and carbon nanofibres in epoxy adhesives for joining carbon fibre laminates. <i>International Journal of Adhesion and Adhesives</i> , <b>2015</b> , 62, 139-145	3-4	25
117	Novel approach to percolation threshold on electrical conductivity of carbon nanotube reinforced nanocomposites. <i>RSC Advances</i> , <b>2016</b> , 6, 43418-43428	3-7	25
116	Surface Pretreatments for Composite Joints: Study of Surface Profile by SEM Image Analysis. <i>Journal of Adhesion Science and Technology</i> , <b>2010</b> , 24, 1855-1867	2	24
115	Effect of reinforcement geometry on precipitation kinetics of powder metallurgy AA2009/SiC composites. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 479, 451-456	5-7	24
114	Thermal spray coatings of highly reinforced aluminium matrix composites with sol-gel silica coated SiC particles. <i>Surface and Coatings Technology</i> , <b>2007</b> , 201, 7552-7559	4-4	24
113	Sensitivity, influence of the strain rate and reversibility of GNPs based multiscale composite materials for high sensitive strain sensors. <i>Composites Science and Technology</i> , <b>2018</b> , 155, 100-107	8.6	24

112	Carbon nanotubes and graphene into thermosetting composites: Synergy and combined effect. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 46475	2.9	23
111	Wear resistant coatings: Silica sol-gel reinforced with carbon nanotubes. <i>Thin Solid Films</i> , <b>2011</b> , 519, 7904-7910	2.2	22
110	Synthesis and characterisation of epoxy resins reinforced with carbon nanotubes and nanofibers. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2009</b> , 9, 6181-7	1.3	22
109	Effect of graphene nanoplatelets thickness on strain sensitivity of nanocomposites: A deeper theoretical to experimental analysis. <i>Composites Science and Technology</i> , <b>2019</b> , 181, 107697	8.6	21
108	Effect of the epoxy/amine stoichiometry on the properties of carbon nanotube/epoxy composites. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2012</b> , 108, 717-723	4.1	21
107	Surface treatment of aluminum matrix composites using a high power diode laser. <i>Surface and Coatings Technology</i> , <b>2007</b> , 202, 1199-1203	4.4	21
106	Oxidation barriers on SiC particles for use in aluminium matrix composites manufactured by casting route: Mechanisms of interfacial protection. <i>Journal of Materials Science</i> , <b>2002</b> , 37, 4633-4643	4.3	21
105	Epoxy Adhesives Modified with Graphene for Thermal Interface Materials <b>2014</b> , 90, 835-847		20
104	Tem characterization of diffusion bonding of superplastic 8090 Al-Li alloy. <i>Scripta Materialia</i> , <b>1996</b> , 34, 617-623	5.6	20
103	Charpy impact test of Ti-6Al-4V joints diffusion welded at low temperature. <i>Scripta Materialia</i> , <b>1996</b> , 35, 479-484	5.6	20
102	High sensitive damage sensors based on the use of functionalized graphene nanoplatelets coated fabrics as reinforcement in multiscale composite materials. <i>Composites Part B: Engineering</i> , <b>2018</b> , 149, 31-37	10	20
101	Mechanical and Strain-Sensing Capabilities of Carbon Nanotube Reinforced Composites by Digital Light Processing 3D Printing Technology. <i>Polymers</i> , <b>2020</b> , 12,	4.5	19
100	Al/SiC composite coatings of steels by thermal spraying. <i>Materials Letters</i> , <b>2008</b> , 62, 2114-2117	3.3	19
99	Solid-state transformations during diffusion bonding of copper to iron. <i>Journal of Materials Science</i> , <b>1988</b> , 23, 1231-1236	4.3	19
98	Dispersion of carbon nanofibres in a low viscosity resin by calendaring process to manufacture multiscale composites by VARIM. <i>Composites Part B: Engineering</i> , <b>2012</b> , 43, 3104-3113	10	18
97	Electroless multilayer coatings on aluminium-silicon carbide composites for electronics packaging. <i>Journal of the European Ceramic Society</i> , <b>2007</b> , 27, 3983-3986	6	18
96	Protection against corrosion of aluminium-SiC composites by sol-gel silica coatings. <i>Surface and Coatings Technology</i> , <b>2008</b> , 202, 3755-3763	4.4	18
95	Sol-gel Coatings as Active Barriers to Protect Ceramic Reinforcement in Aluminum Matrix Composites. <i>Advanced Engineering Materials</i> , <b>2004</b> , 6, 57-61	3.5	18

94	3D-printed self-healing composite polymer reinforced with carbon nanotubes. <i>Materials Letters</i> , <b>2019</b> , 249, 91-94	3.3	17
93	Influence of the filler material on pitting corrosion in welded duplex stainless steel 2205. <i>Welding International</i> , <b>2010</b> , 24, 105-110	0.1	17
92	Sol-gel coatings to improve processing of aluminium matrix SiC reinforced composite materials. <i>Journal of Materials Research</i> , <b>2004</b> , 19, 2109-2116	2.5	17
91	Interfacial reactions in an Al-Cu-Mg (2009)/SiCw composite during liquid processing Part II Arc welding. <i>Journal of Materials Science</i> , <b>2001</b> , 36, 429-439	4.3	17
90	Diffusion bonding of alumina to steel using soft copper interlayer. <i>Journal of Materials Science</i> , <b>1992</b> , 27, 599-606	4.3	17
89	Carbon Nanotube-Doped Adhesive Films for Detecting Crack Propagation on Bonded Joints: A Deeper Understanding of Anomalous Behaviors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 43267-43274	2.5	16
88	Dual layer silica coatings of SiC particle reinforcements in aluminium matrix composites. <i>Surface and Coatings Technology</i> , <b>2006</b> , 200, 4017-4026	4.4	16
87	Active coatings for SiC particles to reduce the degradation by liquid aluminium during processing of aluminium matrix composites: study of interfacial reactions. <i>Journal of Microscopy</i> , <b>2001</b> , 201, 122-136	1.9	16
86	Scanning and transmission electron microscopy study of the microstructural changes occurring in aluminium matrix composites reinforced with SiC particles during casting and welding: interface reactions. <i>Journal of Microscopy</i> , <b>1999</b> , 196, 124-36	1.9	16
85	Development of bonded joints using novel CNT doped adhesive films: Mechanical and electrical properties. <i>International Journal of Adhesion and Adhesives</i> , <b>2018</b> , 86, 98-104	3.4	16
84	Characterisation of multilayered sol-gel silica coatings on aluminium/SiC composites. <i>Surface and Coatings Technology</i> , <b>2006</b> , 201, 3715-3722	4.4	15
83	Highly sensitive strain gauges with carbon nanotubes: From bulk nanocomposites to multifunctional coatings for damage sensing. <i>Applied Surface Science</i> , <b>2017</b> , 424, 213-221	6.7	14
82	Laser densification of sol-gel silica coatings on aluminium matrix composites for corrosion and hardness improvement. <i>Surface and Coatings Technology</i> , <b>2009</b> , 203, 1474-1480	4.4	14
81	Identification of $\alpha$ and $\beta$ phases in AA2009/SiC composites. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 482, 187-195	5.7	14
80	Diffusion bonding of an aluminium-lithium alloy (AA8090) using aluminium-copper alloy interlayers. <i>Journal of Materials Science</i> , <b>1996</b> , 31, 807-817	4.3	13
79	Diffusion bonding of grey cast iron to ARMCO iron and a carbon steel. <i>Journal of Materials Science</i> , <b>1989</b> , 24, 4152-4159	4.3	13
78	Reversible phenomena and failure localization in self-monitoring GNP/epoxy nanocomposites. <i>Composite Structures</i> , <b>2016</b> , 136, 101-105	5.3	13
77	An approach using highly sensitive carbon nanotube adhesive films for crack growth detection under flexural load in composite structures. <i>Composite Structures</i> , <b>2019</b> , 224, 111087	5.3	12

76	Analysis of the brazeability of W/W joints using a high temperature Ni-based alloy. <i>Materials &amp; Design</i> , <b>2014</b> , 54, 900-905		12
75	Simultaneous dispersion and alignment of carbon nanotubes in epoxy resin through chronoamperometry. <i>Carbon</i> , <b>2012</b> , 50, 5489-5497	10.4	12
74	Mechanical analysis of carbon nanofiber/epoxy resin composites. <i>Polymer Composites</i> , <b>2011</b> , 32, 1640-1651		12
73	Use of carbon nanotubes for strain and damage sensing of epoxy-based composites. <i>International Journal of Smart and Nano Materials</i> , <b>2012</b> , 3, 152-161	3.6	12
72	Oxidation Mechanisms of Copper and Nickel Coated Carbon Fibers. <i>Oxidation of Metals</i> , <b>2008</b> , 69, 327-341		12
71	Interfacial reactions in an Al-Cu-Mg (2009)/SiCw composite during liquid processing Part I Casting. <i>Journal of Materials Science</i> , <b>2001</b> , 36, 419-428	4.3	12
70	Highly Multifunctional GNP/Epoxy Nanocomposites: From Strain-Sensing to Joule Heating Applications. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	11
69	Impact of thermal fatigue on W/W brazed joints for divertor components. <i>Journal of Materials Processing Technology</i> , <b>2018</b> , 252, 211-216	5.3	11
68	The functionalization of carbon nanofibers with 4,4'-diaminodiphenylmethane, a curing agent for epoxy resins. <i>Journal of Materials Research</i> , <b>2009</b> , 24, 1435-1445	2.5	11
67	Fatigue crack growth identification in bonded joints by using carbon nanotube doped adhesive films. <i>Smart Materials and Structures</i> , <b>2020</b> , 29, 035032	3.4	11
66	Interfacial characterization by TEM and nanoindentation of W-Eurofer brazed joints for the first wall component of the DEMO fusion reactor. <i>Materials Characterization</i> , <b>2018</b> , 142, 162-169	3.9	11
65	Improvements in W-Eurofer first wall brazed joint using alloyed powders fillers. <i>Fusion Engineering and Design</i> , <b>2017</b> , 124, 1082-1085	1.7	10
64	High heat flux performance of W-Eurofer brazed joints. <i>Journal of Nuclear Materials</i> , <b>2018</b> , 499, 225-232	3.3	10
63	Coupled thermal-electrical analysis of carbon nanotube/epoxy composites. <i>Polymer Engineering and Science</i> , <b>2014</b> , 54, 1976-1982	2.3	10
62	Mechanical and strain sensing properties of carbon nanotube reinforced epoxy/poly(caprolactone) blends. <i>Polymer</i> , <b>2020</b> , 190, 122236	3.9	10
61	A proof of concept of a structural supercapacitor made of graphene coated woven carbon fibers: EIS study and mechanical performance. <i>Electrochimica Acta</i> , <b>2021</b> , 370, 137746	6.7	10
60	Piezoresistive characterization of epoxy based nanocomposites loaded with SWCNTs-DWCNTs in tensile and fracture tests. <i>Polymer Composites</i> , <b>2020</b> , 41, 2598-2609	3	9
59	Exploring the mechanical and sensing capabilities of multi-material bonded joints with carbon nanotube-doped adhesive films. <i>Composite Structures</i> , <b>2019</b> , 229, 111477	5.3	9

58	Raman spectroscopy of chalcogenide thin films prepared by PLD. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 495, 642-645	5.7	9
57	Wear resistance of multilayered sol-gel silica layers on aluminium matrix composites. <i>Surface and Coatings Technology</i> , <b>2007</b> , 202, 1144-1148	4.4	9
56	Diffusion bonding of alumina reinforced 6061 alloy metal matrix composite using Al <sub>2</sub> O <sub>3</sub> interlayer. <i>Materials Science and Technology</i> , <b>2000</b> , 16, 103-109	1.5	9
55	Thermally activated shape memory behavior of copolymers based on ethylene reinforced with silica nanoparticles. <i>Nanocomposites</i> , <b>2018</b> , 4, 19-35	3.4	9
54	Evaluation of sensitivity for detecting different failure modes of epoxy matrix composites doped with graphene nanoparticles. <i>Composite Structures</i> , <b>2019</b> , 225, 111167	5.3	8
53	Development of self passivating W-Eurofer brazed joints. <i>Fusion Engineering and Design</i> , <b>2019</b> , 146, 1810-1813	1.7	8
52	New approach to surface preparation for adhesive bonding of aeronautical composites: atmospheric pressure plasma. Studies on the pretreatment lifetime and durability of the bondline. <i>Composite Interfaces</i> , <b>2015</b> , 22, 731-742	2.3	8
51	Study of efficiency of different commercial carbon nanotubes on manufacturing of epoxy matrix composites. <i>Journal of Composite Materials</i> , <b>2014</b> , 48, 3169-3177	2.7	8
50	Fabrication of novel sol-gel silica coatings reinforced with multi-walled carbon nanotubes. <i>Materials Letters</i> , <b>2010</b> , 64, 924-927	3.3	8
49	Wear improvement of sol-gel silica coatings on A380/SiCp aluminium composite substrate by diode laser sintering. <i>Materials &amp; Design</i> , <b>2011</b> , 32, 3865-3875		7
48	Hardness recovery of ceramic coated aluminium matrix composites using thermal-shock resistant sol-gel silica coatings. <i>Materials Letters</i> , <b>2008</b> , 62, 4315-4318	3.3	7
47	Durability of Aluminium Adhesive Joints Bonded with a Homopolymerised Epoxy Resin <b>2007</b> , 83, 1-14		7
46	Morphology and dynamic mechanical properties of epoxy/poly(styrene-co-allyl alcohol) blends. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2007</b> , 87, 269-276	4.1	7
45	Monitoring crack propagation in skin-stringer elements using carbon nanotube doped adhesive films: Influence of defects and manufacturing process. <i>Composites Science and Technology</i> , <b>2020</b> , 193, 108147	8.6	6
44	The role of graphene interactions and geometry on thermal and electrical properties of epoxy nanocomposites: A theoretical to experimental approach. <i>Polymer Testing</i> , <b>2020</b> , 90, 106638	4.5	6
43	Oxy-Acetylene Flame Thermal Spray of Al/SiCp Composites with High Fraction of Reinforcements. <i>Journal of Thermal Spray Technology</i> , <b>2009</b> , 18, 642-651	2.5	6
42	Effect of hydroxyl content on the morphology and properties of epoxy/poly(styrene-co-allyl alcohol) blends. <i>Polymer Engineering and Science</i> , <b>2007</b> , 47, 1580-1588	2.3	6
41	Effect of Reinforcement Coating on Corrosion Behavior of AA6061/SiC/20p Composite in High Relative Humidity Environments. <i>Corrosion</i> , <b>2004</b> , 60, 945-953	1.8	6

40	Coupled health monitoring system for CNT-doped self-sensing composites. <i>Carbon</i> , <b>2020</b> , 166, 193-204	10.4	6
39	Sandwich-Type Composites Based on Smart Ionomeric Polymer and Electrospun Microfibers. <i>Frontiers in Materials</i> , <b>2019</b> , 6,	4	6
38	Printable self-heating coatings based on the use of carbon nanoreinforcements. <i>Polymer Composites</i> , <b>2020</b> , 41, 271-278	3	6
37	Application of atomic force microscopy to the study of blown polyethylene films. <i>Polymer Testing</i> , <b>2012</b> , 31, 136-148	4.5	5
36	Complex Geometry Strain Sensors Based on 3D Printed Nanocomposites: Spring, Three-Column Device and Footstep-Sensing Platform. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	5
35	Hydrothermal ageing on self-sensing bonded joints with novel carbon nanomaterial reinforced adhesive films. <i>Polymer Degradation and Stability</i> , <b>2020</b> , 177, 109170	4.7	4
34	Directional Response of Randomly Dispersed Carbon Nanotube Strain Sensors. <i>Sensors</i> , <b>2020</b> , 20,	3.8	4
33	Optimum Dispersion Technique of Carbon Nanotubes in Epoxy Resin as a Function of the Desired Behaviour. <i>Journal of Nano Research</i> , <b>2013</b> , 26, 177-186	1	4
32	Strength and Durability of Epoxy-Aluminum Joints <b>2010</b> , 86, 409-429		4
31	TIG and MIG welding of 6061 and 7020 aluminium alloys. Microstructural studies and mechanical properties. <i>Welding International</i> , <b>1999</b> , 13, 293-295	0.1	4
30	Latest developments for microstructural and chemical characterization of diffusion bonding in superplastic 8090 AlTi alloys. <i>Journal of Materials Research</i> , <b>1996</b> , 11, 63-71	2.5	4
29	Flexible Wearable Sensors Based in Carbon Nanotubes Reinforced Poly(Ethylene Glycol) Diglycidyl Ether (PEGDGE): Analysis of Strain Sensitivity and Proof of Concept. <i>Chemosensors</i> , <b>2021</b> , 9, 158	4	4
28	Crack sensing mechanisms of Mode-II and skin-stringer joints between dissimilar materials by using carbon nanotubes. <i>Composites Science and Technology</i> , <b>2021</b> , 201, 108553	8.6	4
27	Enhancing an Aerospace Grade Benzoxazine Resin by Means of Graphene Nanoplatelets Addition. <i>Polymers</i> , <b>2021</b> , 13,	4.5	4
26	High mobility of carbon nanotubes into thermosetting matrix. <i>European Polymer Journal</i> , <b>2016</b> , 74, 209-217	3.7	3
25	Interacci3n entre el aluminio fundido y las fibras de carbono recubiertas con cobre y niquel en materiales compuestos de matriz met3lica. <i>Boletin De La Sociedad Espanola De Ceramica Y Vidrio</i> , <b>2004</b> , 43, 409-412	1.9	3
24	Determinaci3n mediante nanoindentaci3n de las propiedades mec3nicas de la interfaz en materiales compuestos de aluminio reforzados con part3culas de SiC recubiertas de s3lice. <i>Boletin De La Sociedad Espanola De Ceramica Y Vidrio</i> , <b>2005</b> , 44, 270-277	1.9	3
23	Tribological Properties of Different Types of Graphene Nanoplatelets as Additives for the Epoxy Resin. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 4363	2.6	3

22	Mechanical and Crack-Sensing Capabilities of Mode-I Joints with Carbon-Nanotube-Reinforced Adhesive Films under Hydrothermal Aging Conditions. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	3
21	Electrical Properties and Strain Sensing Mechanisms in Hybrid Graphene Nanoplatelet/Carbon Nanotube Nanocomposites. <i>Sensors</i> , <b>2021</b> , 21,	3.8	3
20	Structural health monitoring of a CFRP structural bonded repair by using a carbon nanotube modified adhesive film. <i>Composite Structures</i> , <b>2021</b> , 270, 114091	5.3	3
19	Strain Sensing Based on Multiscale Composite Materials Reinforced with Graphene Nanoplatelets. <i>Journal of Visualized Experiments</i> , <b>2016</b> ,	1.6	2
18	GNPs Reinforced Epoxy Nanocomposites Used as Thermal Interface Materials. <i>Journal of Nano Research</i> , <b>2016</b> , 38, 18-25	1	2
17	Fracture toughness of controlled-rheology polypropylenes. <i>E-Polymers</i> , <b>2007</b> , 7,	2.7	2
16	Influence of the Heat Treatments on the Corrosion Resistance of a Duplex Stainless Steel Manufactured by Powder Metallurgy. <i>Corrosion</i> , <b>2006</b> , 62, 84-89	1.8	2
15	TIG welding of Uranus 45N duplex stainless steel: Changes in microstructure and properties. <i>Welding International</i> , <b>1998</b> , 12, 548-558	0.1	2
14	Tensile strength of Armco iron-ETP copper diffusion bonds. <i>Journal of Materials Science Letters</i> , <b>1989</b> , 8, 137-140		2
13	Mecanismos de corrosi3n en materiales compuestos de matriz de aluminio con refuerzo de SiC. <i>Bolet3n De La Sociedad Espanola De Ceramica Y Vidrio</i> , <b>2004</b> , 43, 233-236	1.9	2
12	Las peque1as y medianas empresas del sector metal3rgico en la zona sur de la Comunidad de Madrid: Gest3n medioambiental y necesidades de formaci3n. <i>Revista De Metalurgia</i> , <b>2004</b> , 40, 209-213	0.4	2
11	Study of the Fe-Ti/W system for joining applications in high-temperature fusion reactor components. <i>Fusion Engineering and Design</i> , <b>2016</b> , 108, 48-54	1.7	2
10	Ultrasensitive and highly stretchable sensors for human motion monitoring made of graphene reinforced polydimethylsiloxane: Electromechanical and complex impedance sensing performance. <i>Carbon</i> , <b>2022</b> , 192, 234-248	10.4	2
9	Electrical Monitoring as a Novel Route to Understanding the Aging Mechanisms of Carbon Nanotube-Doped Adhesive Film Joints. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 2566	2.6	1
8	Surface Modifications of Carbon Fiber Electrodes for Structural Supercapacitors. <i>Applied Composite Materials</i> ,1	2	1
7	Microstructural and Mechanical Characterization of W-CuCrZr Joints Brazed with Cu-Ti Filler Alloy. <i>Metals</i> , <b>2021</b> , 11, 202	2.3	1
6	Assessment of Manufacturing Parameters for New 3D-Printed Heating Circuits Based on CNT-Doped Nanocomposites Processed by UV-Assisted Direct Write. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 7534	2.6	1
5	Wearable Sensors Based on Graphene Nanoplatelets Reinforced Polydimethylsiloxane for Human Motion Monitoring: Analysis of Crack Propagation and Cycling Load Monitoring. <i>Chemosensors</i> , <b>2022</b> , 10, 75	4	0

- 4 Microstructural characterisation of the bond interface in diffusion bonding of superplastic Al-Li alloys. *Welding International*, **1995**, 9, 455-461 0.1
- 3 Welding of HSLA steels examined by a simulation technique. *Welding International*, **1992**, 6, 878-886 0.1
- 2 Study by SEM-EDS of the in situ dynamic leaching of mercury ores. *Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science*, **1988**, 19, 165-170
- 1 Electrical Properties of Carbon Nanotubes **2021**, 1-35