

# Alejandro Ureña

## List of Publications by Year in descending order

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173  
papers

5,581  
citations

94269

37  
h-index

102304

66  
g-index

174  
all docs

174  
docs citations

174  
times ranked

4734  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent progress in research on tungsten materials for nuclear fusion applications in Europe. Journal of Nuclear Materials, 2013, 432, 482-500.	1.3	610
2	Advantages and disadvantages of the addition of graphene nanoplatelets to epoxy resins. European Polymer Journal, 2014, 61, 206-214.	2.6	176
3	Comparative study on the adhesive properties of different epoxy resins. International Journal of Adhesion and Adhesives, 2006, 26, 125-132.	1.4	147
4	Effect of surface pre-treatment on the adhesive strength of epoxy-aluminium joints. International Journal of Adhesion and Adhesives, 2009, 29, 23-31.	1.4	143
5	Effect of the carbon nanotube functionalization on flexural properties of multiscale carbon fiber/epoxy composites manufactured by VARIM. Composites Part B: Engineering, 2013, 45, 1613-1619.	5.9	139
6	Oxidation treatments for SiC particles used as reinforcement in aluminium matrix composites. Composites Science and Technology, 2004, 64, 1843-1854.	3.8	136
7	Influence of interface reactions on fracture mechanisms in TIG arc-welded aluminium matrix composites. Composites Science and Technology, 2000, 60, 613-622.	3.8	123
8	Water uptake of epoxy composites reinforced with carbon nanofillers. Composites Part A: Applied Science and Manufacturing, 2012, 43, 2169-2175.	3.8	117
9	Electroless nickel coated short carbon fibres in aluminium matrix composites. Composites Part A: Applied Science and Manufacturing, 2007, 38, 566-575.	3.8	114
10	In situ processing of epoxy composites reinforced with graphene nanoplatelets. Composites Science and Technology, 2013, 86, 185-191.	3.8	109
11	Characterization of interfacial mechanical properties in carbon fiber/aluminium matrix composites by the nanoindentation technique. Composites Science and Technology, 2005, 65, 2025-2038.	3.8	108
12	Thermo-physical characterisation of epoxy resin reinforced by amino-functionalized carbon nanofibers. Composites Science and Technology, 2009, 69, 349-357.	3.8	101
13	Strain monitoring mechanisms of sensors based on the addition of graphene nanoplatelets into an epoxy matrix. Composites Science and Technology, 2016, 123, 65-70.	3.8	97
14	Effects of dispersion techniques of carbon nanofibers on the thermo-physical properties of epoxy nanocomposites. Composites Science and Technology, 2008, 68, 2722-2730.	3.8	96
15	Weldability of a 2205 duplex stainless steel using plasma arc welding. Journal of Materials Processing Technology, 2007, 182, 624-631.	3.1	93
16	Graphene nanoplatelets thickness and lateral size influence on the morphology and behavior of epoxy composites. European Polymer Journal, 2014, 53, 292-301.	2.6	79
17	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. Corrosion Science, 1998, 41, 529-545.	3.0	72
18	Improving the flexural and thermomechanical properties of amino-functionalized carbon nanotube/epoxy composites by using a pre-curing treatment. Composites Science and Technology, 2011, 71, 765-771.	3.8	69

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19	A brief summary of the progress on the EFDA tungsten materials program. <i>Journal of Nuclear Materials</i> , 2013, 442, S173-S180.	1.3	69
20	Effect of copper electroless coatings on the interaction between a molten Al–Si–Mg alloy and coated short carbon fibres. <i>Composites Part A: Applied Science and Manufacturing</i> , 2007, 38, 1947-1956.	3.8	68
21	Thermal conductivity and lap shear strength of GNP/epoxy nanocomposites adhesives. <i>International Journal of Adhesion and Adhesives</i> , 2016, 68, 407-410.	1.4	68
22	Critical parameters of carbon nanotube reinforced composites for structural health monitoring applications: Empirical results versus theoretical predictions. <i>Composites Science and Technology</i> , 2019, 171, 44-53.	3.8	67
23	Effect of reinforcement coatings on the dry sliding wear behaviour of aluminium/SiC particles/carbon fibres hybrid composites. <i>Wear</i> , 2009, 266, 1128-1136.	1.5	66
24	Characterization of carbon nanofiber/epoxy nanocomposites by the nanoindentation technique. <i>Composites Part B: Engineering</i> , 2011, 42, 638-644.	5.9	62
25	Fabrication of aluminium composites reinforced with carbon fibres by a centrifugal infiltration process. <i>Composites Part A: Applied Science and Manufacturing</i> , 2010, 41, 1605-1611.	3.8	61
26	Graphene nanoplatelets coated glass fibre fabrics as strain sensors. <i>Composites Science and Technology</i> , 2017, 146, 59-64.	3.8	57
27	Mode-I adhesive fracture energy of carbon fibre composite joints with nanoreinforced epoxy adhesives. <i>International Journal of Adhesion and Adhesives</i> , 2011, 31, 695-703.	1.4	56
28	Nanoreinforced Epoxy Adhesives for Aerospace Industry. <i>Journal of Adhesion</i> , 2009, 85, 180-199.	1.8	54
29	New alignment procedure of magnetite–CNT hybrid nanofillers on epoxy bulk resin with permanent magnets. <i>Composites Part B: Engineering</i> , 2013, 46, 166-172.	5.9	51
30	Influence of Thickness and Lateral Size of Graphene Nanoplatelets on Water Uptake in Epoxy/Graphene Nanocomposites. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1550.	1.3	51
31	High temperature soldering of SiC particulate aluminium matrix composites (series 2000) using Zn–Al filler alloys. <i>Science and Technology of Welding and Joining</i> , 2001, 6, 1-11.	1.5	49
32	Dissimilar welds between unreinforced AA6082 and AA6092/SiC/25p composite by pulsed-MIG arc welding using unreinforced filler alloys (Al–5Mg and Al–5Si). <i>Journal of Materials Processing Technology</i> , 2003, 143-144, 846-850.	3.1	49
33	Effect of silica coatings on interfacial mechanical properties in aluminium–SiC composites characterized by nanoindentation. <i>Scripta Materialia</i> , 2005, 52, 977-982.	2.6	45
34	Study of the effect of substrate roughness on adhesive joints by SEM image analysis. <i>Journal of Adhesion Science and Technology</i> , 2006, 20, 457-470.	1.4	42
35	A proof of concept of a structural supercapacitor made of graphene coated woven carbon fibers: EIS study and mechanical performance. <i>Electrochimica Acta</i> , 2021, 370, 137746.	2.6	42
36	Special features of the formation of the diffusion bonded joints between copper and aluminium. <i>Journal of Materials Science</i> , 1988, 23, 2273-2280.	1.7	41

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37	Mechanical and Strain-Sensing Capabilities of Carbon Nanotube Reinforced Composites by Digital Light Processing 3D Printing Technology. <i>Polymers</i> , 2020, 12, 975.	2.0	41
38	Adhesive bonding of carbon fibre/epoxy laminates: Correlation between surface and mechanical properties. <i>Surface and Coatings Technology</i> , 2012, 207, 602-607.	2.2	39
39	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> , 2013, 40, 179-187.	1.4	38
40	Surface Pretreatments for Composite Joints: Study of Surface Profile by SEM Image Analysis. <i>Journal of Adhesion Science and Technology</i> , 2010, 24, 1855-1867.	1.4	37
41	Novel approach to percolation threshold on electrical conductivity of carbon nanotube reinforced nanocomposites. <i>RSC Advances</i> , 2016, 6, 43418-43428.	1.7	37
42	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> , 2012, 43, 3482-3490.	5.9	36
43	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> , 2017, 490, 188-196.	1.3	36
44	The influence of mechanical dispersion of MWCNT in epoxy matrix by calendaring method: Batch method versus time controlled. <i>Composites Part B: Engineering</i> , 2013, 48, 88-94.	5.9	34
45	Effect of graphene nanoplatelets thickness on strain sensitivity of nanocomposites: A deeper theoretical to experimental analysis. <i>Composites Science and Technology</i> , 2019, 181, 107697.	3.8	33
46	Sol-gel coatings of low sintering temperature for corrosion protection of ZE41 magnesium alloy. <i>Surface and Coatings Technology</i> , 2011, 205, 4183-4191.	2.2	32
47	Rheological Behaviour of Nanoreinforced Epoxy Adhesives of Low Electrical Resistivity for Joining Carbon Fiber/Epoxy Laminates. <i>Journal of Adhesion Science and Technology</i> , 2010, 24, 1097-1112.	1.4	31
48	Epoxy Adhesives Modified with Graphene for Thermal Interface Materials. <i>Journal of Adhesion</i> , 2014, 90, 835-847.	1.8	31
49	Carbon nanotubes and graphene into thermosetting composites: Synergy and combined effect. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46475.	1.3	31
50	Thermal spray coatings of highly reinforced aluminium matrix composites with sol-gel silica coated SiC particles. <i>Surface and Coatings Technology</i> , 2007, 201, 7552-7559.	2.2	29
51	Effect of temperature on sintered austeno-ferritic stainless steel microstructure. <i>Journal of Alloys and Compounds</i> , 2008, 463, 552-558.	2.8	29
52	Effect of the epoxy/amine stoichiometry on the properties of carbon nanotube/epoxy composites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 108, 717-723.	2.0	29
53	Toughening effect of carbon nanotubes and carbon nanofibres in epoxy adhesives for joining carbon fibre laminates. <i>International Journal of Adhesion and Adhesives</i> , 2015, 62, 139-145.	1.4	29
54	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> , 2018, 155, 100-107.	3.8	29

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55	Diffusion bonding of Ti-6Al-4V alloy at low temperature: metallurgical aspects. <i>Journal of Materials Science</i> , 1992, 27, 391-398.	1.7	28
56	Effect of reinforcement geometry on precipitation kinetics of powder metallurgy AA2009/SiC composites. <i>Journal of Alloys and Compounds</i> , 2009, 479, 451-456.	2.8	28
57	Synthesis and Characterisation of Epoxy Resins Reinforced with Carbon Nanotubes and Nanofibers. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 6181-6187.	0.9	28
58	Wear resistant coatings: Silica sol-gel reinforced with carbon nanotubes. <i>Thin Solid Films</i> , 2011, 519, 7904-7910.	0.8	28
59	Experimental study of Eurofer laser brazing for divertor application. <i>Journal of Nuclear Materials</i> , 2011, 418, 239-248.	1.3	28
60	Self-stratifying and orientation of exfoliated few-layer graphene nanoplatelets in epoxy composites. <i>Composites Science and Technology</i> , 2013, 85, 136-141.	3.8	28
61	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> , 2018, 149, 31-37.	5.9	27
62	3D-printed self-healing composite polymer reinforced with carbon nanotubes. <i>Materials Letters</i> , 2019, 249, 91-94.	1.3	27
63	Diffusion bonding of an aluminium-copper alloy reinforced with silicon carbide particles (AA2014/SiC/13p) using metallic interlayers. <i>Scripta Materialia</i> , 1996, 35, 1285-1293.	2.6	26
64	Charpy impact test of Ti-6Al-4V joints diffusion welded at low temperature. <i>Scripta Materialia</i> , 1996, 35, 479-484.	2.6	24
65	Surface treatment of aluminum matrix composites using a high power diode laser. <i>Surface and Coatings Technology</i> , 2007, 202, 1199-1203.	2.2	24
66	Influence of the filler material on pitting corrosion in welded duplex stainless steel 2205. <i>Welding International</i> , 2010, 24, 105-110.	0.3	24
67	Tem characterization of diffusion bonding of superplastic 8090 Al-Li alloy. <i>Scripta Materialia</i> , 1996, 34, 617-623.	2.6	23
68	Title is missing!. <i>Journal of Materials Science</i> , 2002, 37, 4633-4643.	1.7	23
69	Dispersion of carbon nanofibres in a low viscosity resin by calendaring process to manufacture multiscale composites by VARIM. <i>Composites Part B: Engineering</i> , 2012, 43, 3104-3113.	5.9	22
70	Solid-state transformations during diffusion bonding of copper to iron. <i>Journal of Materials Science</i> , 1988, 23, 1231-1236.	1.7	21
71	Al/SiC composite coatings of steels by thermal spraying. <i>Materials Letters</i> , 2008, 62, 2114-2117.	1.3	21
72	Reversible phenomena and failure localization in self-monitoring GNP/epoxy nanocomposites. <i>Composite Structures</i> , 2016, 136, 101-105.	3.1	21

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73	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> , 2001, 201, 122-136.	0.8	20
74	Sol-gel coatings to improve processing of aluminium matrix SiC reinforced composite materials. <i>Journal of Materials Research</i> , 2004, 19, 2109-2116.	1.2	20
75	Highly sensitive strain gauges with carbon nanotubes: From bulk nanocomposites to multifunctional coatings for damage sensing. <i>Applied Surface Science</i> , 2017, 424, 213-221.	3.1	20
76	Highly Multifunctional GNP/Epoxy Nanocomposites: From Strain-Sensing to Joule Heating Applications. <i>Nanomaterials</i> , 2020, 10, 2431.	1.9	20
77	Diffusion bonding of alumina to steel using soft copper interlayer. <i>Journal of Materials Science</i> , 1992, 27, 599-606.	1.7	19
78	Sol-Gel Coatings as Active Barriers to Protect Ceramic Reinforcement in Aluminum Matrix Composites. <i>Advanced Engineering Materials</i> , 2004, 6, 57-61.	1.6	19
79	Protection against corrosion of aluminium-SiC composites by sol-gel silica coatings. <i>Surface and Coatings Technology</i> , 2008, 202, 3755-3763.	2.2	19
80	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> , 1999, 196, 124-136.	0.8	18
81	Title is missing!. <i>Journal of Materials Science</i> , 2001, 36, 429-439.	1.7	18
82	Electroless multilayer coatings on aluminium-silicon carbide composites for electronics packaging. <i>Journal of the European Ceramic Society</i> , 2007, 27, 3983-3986.	2.8	18
83	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> , 2017, 9, 43267-43274.	4.0	18
84	Development of bonded joints using novel CNT doped adhesive films: Mechanical and electrical properties. <i>International Journal of Adhesion and Adhesives</i> , 2018, 86, 98-104.	1.4	18
85	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> , 2018, 142, 162-169.	1.9	18
86	Fatigue crack growth identification in bonded joints by using carbon nanotube doped adhesive films. <i>Smart Materials and Structures</i> , 2020, 29, 035032.	1.8	18
87	Ultrasensitive and highly stretchable sensors for human motion monitoring made of graphene reinforced polydimethylsiloxane: Electromechanical and complex impedance sensing performance. <i>Carbon</i> , 2022, 192, 234-248.	5.4	18
88	Dual layer silica coatings of SiC particle reinforcements in aluminium matrix composites. <i>Surface and Coatings Technology</i> , 2006, 200, 4017-4026.	2.2	17
89	Mechanical and strain sensing properties of carbon nanotube reinforced epoxy/poly(caprolactone) blends. <i>Polymer</i> , 2020, 190, 122236.	1.8	17
90	Diffusion bonding of an aluminium-lithium alloy (AA8090) using aluminium-copper alloy interlayers. <i>Journal of Materials Science</i> , 1996, 31, 807-817.	1.7	16

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91	Interfacial reactions in an Al-Cu-Mg (2009)/SiCw composite during liquid processing Part I Casting. Journal of Materials Science, 2001, 36, 419-428.	1.7	16
92	Oxidation Mechanisms of Copper and Nickel Coated Carbon Fibers. Oxidation of Metals, 2008, 69, 327-341.	1.0	16
93	Laser densification of sol-gel silica coatings on aluminium matrix composites for corrosion and hardness improvement. Surface and Coatings Technology, 2009, 203, 1474-1480.	2.2	16
94	Identification of $\beta$ and $\theta$ phases in AA2009/SiC composites. Journal of Alloys and Compounds, 2009, 482, 187-195.	2.8	16
95	Analysis of the brazeability of W-W joints using a high temperature Ni-based alloy. Materials & Design, 2014, 54, 900-905.	5.1	16
96	Impact of thermal fatigue on W-W brazed joints for divertor components. Journal of Materials Processing Technology, 2018, 252, 211-216.	3.1	16
97	An approach using highly sensitive carbon nanotube adhesive films for crack growth detection under flexural load in composite structures. Composite Structures, 2019, 224, 111087.	3.1	16
98	Enhancing an Aerospace Grade Benzoxazine Resin by Means of Graphene Nanoplatelets Addition. Polymers, 2021, 13, 2544.	2.0	16
99	Structural health monitoring of a CFRP structural bonded repair by using a carbon nanotube modified adhesive film. Composite Structures, 2021, 270, 114091.	3.1	16
100	Characterisation of multilayered sol-gel silica coatings on aluminium-SiC composites. Surface and Coatings Technology, 2006, 201, 3715-3722.	2.2	15
101	Diffusion bonding of grey cast iron to ARMCO iron and a carbon steel. Journal of Materials Science, 1989, 24, 4152-4159.	1.7	14
102	Use of carbon nanotubes for strain and damage sensing of epoxy-based composites. International Journal of Smart and Nano Materials, 2012, 3, 152-161.	2.0	14
103	Improvements in W-Eurofer first wall brazed joint using alloyed powders fillers. Fusion Engineering and Design, 2017, 124, 1082-1085.	1.0	14
104	Thermally activated shape memory behavior of copolymers based on ethylene reinforced with silica nanoparticles. Nanocomposites, 2018, 4, 19-35.	2.2	14
105	Piezoresistive characterization of epoxy based nanocomposites loaded with SWCNTs and DWCNTs in tensile and fracture tests. Polymer Composites, 2020, 41, 2598-2609.	2.3	14
106	Simultaneous dispersion and alignment of carbon nanotubes in epoxy resin through chronoamperometry. Carbon, 2012, 50, 5489-5497.	5.4	13
107	High heat flux performance of W-Eurofer brazed joints. Journal of Nuclear Materials, 2018, 499, 225-232.	1.3	13
108	Surface Modifications of Carbon Fiber Electrodes for Structural Supercapacitors. Applied Composite Materials, 2022, 29, 889-900.	1.3	13

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109	Mechanical analysis of carbon nanofiber/epoxy resin composites. <i>Polymer Composites</i> , 2011, 32, 1640-1651.	2.3	12
110	Hydrothermal ageing on self-sensing bonded joints with novel carbon nanomaterial reinforced adhesive films. <i>Polymer Degradation and Stability</i> , 2020, 177, 109170.	2.7	12
111	The role of graphene interactions and geometry on thermal and electrical properties of epoxy nanocomposites: A theoretical to experimental approach. <i>Polymer Testing</i> , 2020, 90, 106638.	2.3	12
112	Complex Geometry Strain Sensors Based on 3D Printed Nanocomposites: Spring, Three-Column Device and Footstep-Sensing Platform. <i>Nanomaterials</i> , 2021, 11, 1106.	1.9	12
113	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> , 2021, 9, 158.	1.8	12
114	Coupled health monitoring system for CNT-doped self-sensing composites. <i>Carbon</i> , 2020, 166, 193-204.	5.4	12
115	Wearable Sensors Based on Graphene Nanoplatelets Reinforced Polydimethylsiloxane for Human Motion Monitoring: Analysis of Crack Propagation and Cycling Load Monitoring. <i>Chemosensors</i> , 2022, 10, 75.	1.8	12
116	Diffusion bonding of alumina reinforced 6061 alloy metal matrix composite using Al-Li interlayer. <i>Materials Science and Technology</i> , 2000, 16, 103-109.	0.8	11
117	Wear resistance of multilayered sol-gel silica layers on aluminium matrix composites. <i>Surface and Coatings Technology</i> , 2007, 202, 1144-1148.	2.2	11
118	The functionalization of carbon nanofibers with 4,4'-diaminodiphenylmethane, a curing agent for epoxy resins. <i>Journal of Materials Research</i> , 2009, 24, 1435-1445.	1.2	11
119	Raman spectroscopy of chalcogenide thin films prepared by PLD. <i>Journal of Alloys and Compounds</i> , 2010, 495, 642-645.	2.8	11
120	Exploring the mechanical and sensing capabilities of multi-material bonded joints with carbon nanotube-doped adhesive films. <i>Composite Structures</i> , 2019, 229, 111477.	3.1	11
121	Development of self passivating W-Eurofer brazed joints. <i>Fusion Engineering and Design</i> , 2019, 146, 1810-1813.	1.0	11
122	Durability of Aluminium Adhesive Joints Bonded with a Homopolymerised Epoxy Resin. <i>Journal of Adhesion</i> , 2007, 83, 1-14.	1.8	10
123	Fabrication of novel sol-gel silica coatings reinforced with multi-walled carbon nanotubes. <i>Materials Letters</i> , 2010, 64, 924-927.	1.3	10
124	Coupled thermal-electrical analysis of carbon nanotube/epoxy composites. <i>Polymer Engineering and Science</i> , 2014, 54, 1976-1982.	1.5	10
125	New approach to surface preparation for adhesive bonding of aeronautical composites: atmospheric pressure plasma. <i>Studies on the pretreatment lifetime and durability of the bondline. Composite Interfaces</i> , 2015, 22, 731-742.	1.3	10
126	Evaluation of sensitivity for detecting different failure modes of epoxy matrix composites doped with graphene nanoparticles. <i>Composite Structures</i> , 2019, 225, 111167.	3.1	10



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127	Thermomechanically Robust Ceramic/Polymer Nanocomposites Modified with Ionic Liquid for Hybrid Polymer Electrolyte Applications. <i>ACS Applied Energy Materials</i> , 2022, 5, 4247-4258.	2.5	10
128	Printable self-heating coatings based on the use of carbon nanoreinforcements. <i>Polymer Composites</i> , 2020, 41, 271-278.	2.3	9
129	Tribological Properties of Different Types of Graphene Nanoplatelets as Additives for the Epoxy Resin. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4363.	1.3	9
130	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> , 2020, 193, 108147.	3.8	9
131	Electrical Properties and Strain Sensing Mechanisms in Hybrid Graphene Nanoplatelet/Carbon Nanotube Nanocomposites. <i>Sensors</i> , 2021, 21, 5530.	2.1	9
132	Morphology and dynamic mechanical properties of epoxy/poly(styrene-co-allyl alcohol) blends. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007, 87, 269-276.	2.0	8
133	Hardness recovery of ceramic coated aluminium matrix composites using thermal-shock resistant sol-gel silica coatings. <i>Materials Letters</i> , 2008, 62, 4315-4318.	1.3	8
134	Oxy-Acetylene Flame Thermal Spray of Al/SiCp Composites with High Fraction of Reinforcements. <i>Journal of Thermal Spray Technology</i> , 2009, 18, 642-651.	1.6	8
135	Wear improvement of sol-gel silica coatings on A380/SiCp aluminium composite substrate by diode laser sintering. <i>Materials &amp; Design</i> , 2011, 32, 3865-3875.	5.1	8
136	Study of efficiency of different commercial carbon nanotubes on manufacturing of epoxy matrix composites. <i>Journal of Composite Materials</i> , 2014, 48, 3169-3177.	1.2	8
137	Sandwich-Type Composites Based on Smart Ionomeric Polymer and Electrospun Microfibers. <i>Frontiers in Materials</i> , 2019, 6, .	1.2	8
138	Crack sensing mechanisms of Mode-II and skin-stringer joints between dissimilar materials by using carbon nanotubes. <i>Composites Science and Technology</i> , 2021, 201, 108553.	3.8	8
139	Easy-Scalable Flexible Sensors Made of Carbon Nanotube-Doped Polydimethylsiloxane: Analysis of Manufacturing Conditions and Proof of Concept. <i>Sensors</i> , 2022, 22, 5147.	2.1	8
140	Effect of Reinforcement Coating on Corrosion Behavior of AA6061/SiC/20p Composite in High Relative Humidity Environments. <i>Corrosion</i> , 2004, 60, 945-953.	0.5	7
141	Effect of hydroxyl content on the morphology and properties of epoxy/poly(styrene-co-allyl alcohol) blends. <i>Polymer Engineering and Science</i> , 2007, 47, 1580-1588.	1.5	7
142	Strength and Durability of Epoxy-Aluminum Joints. <i>Journal of Adhesion</i> , 2010, 86, 409-429.	1.8	7
143	TIG and MIG welding of 6061 and 7020 aluminium alloys. Microstructural studies and mechanical properties. <i>Welding International</i> , 1999, 13, 293-295.	0.3	6
144	Latest developments for microstructural and chemical characterization of diffusion bonding in superplastic 8090 Al-Li alloys. <i>Journal of Materials Research</i> , 1996, 11, 63-71.	1.2	5

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145	Application of atomic force microscopy to the study of blown polyethylene films. <i>Polymer Testing</i> , 2012, 31, 136-148.	2.3	5
146	Optimum Dispersion Technique of Carbon Nanotubes in Epoxy Resin as a Function of the Desired Behaviour. <i>Journal of Nano Research</i> , 0, 26, 177-186.	0.8	5
147	GNPs Reinforced Epoxy Nanocomposites Used as Thermal Interface Materials. <i>Journal of Nano Research</i> , 2016, 38, 18-25.	0.8	4
148	Directional Response of Randomly Dispersed Carbon Nanotube Strain Sensors. <i>Sensors</i> , 2020, 20, 2980.	2.1	4
149	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> , 2021, 11, 7534.	1.3	4
150	TIG welding of Uranus 45N duplex stainless steel: Changes in microstructure and properties. <i>Welding International</i> , 1998, 12, 548-558.	0.3	3
151	High mobility of carbon nanotubes into thermosetting matrix. <i>European Polymer Journal</i> , 2016, 74, 209-217.	2.6	3
152	Mechanical and Crack-Sensing Capabilities of Mode-I Joints with Carbon-Nanotube-Reinforced Adhesive Films under Hydrothermal Aging Conditions. <i>Nanomaterials</i> , 2020, 10, 2290.	1.9	3
153	Mecanismos de corrosión en materiales compuestos de matriz de aluminio con refuerzo de SiC. <i>Boletín De La Sociedad Española De Cerámica Y Vidrio</i> , 2004, 43, 233-236.	0.9	3
154	Interacción entre el aluminio fundido y las fibras de carbono recubiertas con cobre y níquel en materiales compuestos de matriz metálica. <i>Boletín De La Sociedad Española De Cerámica Y Vidrio</i> , 2004, 43, 409-412.	0.9	3
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