

Alejandro Urea

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.

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	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	4	0
164	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	10.4	2
163	Electrical Properties of Carbon Nanotubes 2021 , 1-35		
162	Complex Geometry Strain Sensors Based on 3D Printed Nanocomposites: Spring, Three-Column Device and Footstep-Sensing Platform. <i>Nanomaterials</i> , 2021 , 11,	5.4	5
161	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	4	4
160	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	8.6	4
159	Microstructural and Mechanical Characterization of W-CuCrZr Joints Brazed with Cu-Ti Filler Alloy. <i>Metals</i> , 2021 , 11, 202	2.3	1
158	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	6.7	10
157	Enhancing an Aerospace Grade Benzoxazine Resin by Means of Graphene Nanoplatelets Addition. <i>Polymers</i> , 2021 , 13,	4.5	4
156	Electrical Properties and Strain Sensing Mechanisms in Hybrid Graphene Nanoplatelet/Carbon Nanotube Nanocomposites. <i>Sensors</i> , 2021 , 21,	3.8	3
155	Structural health monitoring of a CFRP structural bonded repair by using a carbon nanotube modified adhesive film. <i>Composite Structures</i> , 2021 , 270, 114091	5.3	3
154	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	2.6	1
153	Highly Multifunctional GNP/Epoxy Nanocomposites: From Strain-Sensing to Joule Heating Applications. <i>Nanomaterials</i> , 2020 , 10,	5.4	11
152	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	8.6	6
151	Hydrothermal ageing on self-sensing bonded joints with novel carbon nanomaterial reinforced adhesive films. <i>Polymer Degradation and Stability</i> , 2020 , 177, 109170	4.7	4
150	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	4.5	6
149	Directional Response of Randomly Dispersed Carbon Nanotube Strain Sensors. <i>Sensors</i> , 2020 , 20,	3.8	4

148	Piezoresistive characterization of epoxy based nanocomposites loaded with SWCNTs-DWCNTs in tensile and fracture tests. <i>Polymer Composites</i> , 2020 , 41, 2598-2609	3	9
147	Electrical Monitoring as a Novel Route to Understanding the Aging Mechanisms of Carbon Nanotube-Doped Adhesive Film Joints. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2566	2.6	1
146	Mechanical and Strain-Sensing Capabilities of Carbon Nanotube Reinforced Composites by Digital Light Processing 3D Printing Technology. <i>Polymers</i> , 2020 , 12,	4.5	19
145	Coupled health monitoring system for CNT-doped self-sensing composites. <i>Carbon</i> , 2020 , 166, 193-204	10.4	6
144	Mechanical and strain sensing properties of carbon nanotube reinforced epoxy/poly(caprolactone) blends. <i>Polymer</i> , 2020 , 190, 122236	3.9	10
143	Fatigue crack growth identification in bonded joints by using carbon nanotube doped adhesive films. <i>Smart Materials and Structures</i> , 2020 , 29, 035032	3.4	11
142	Tribological Properties of Different Types of Graphene Nanoplatelets as Additives for the Epoxy Resin. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 4363	2.6	3
141	Mechanical and Crack-Sensing Capabilities of Mode-I Joints with Carbon-Nanotube-Reinforced Adhesive Films under Hydrothermal Aging Conditions. <i>Nanomaterials</i> , 2020 , 10,	5.4	3
140	Printable self-heating coatings based on the use of carbon nanoreinforcements. <i>Polymer Composites</i> , 2020 , 41, 271-278	3	6
139	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	8.6	21
138	Evaluation of sensitivity for detecting different failure modes of epoxy matrix composites doped with graphene nanoparticles. <i>Composite Structures</i> , 2019 , 225, 111167	5.3	8
137	An approach using highly sensitive carbon nanotube adhesive films for crack growth detection under flexural load in composite structures. <i>Composite Structures</i> , 2019 , 224, 111087	5.3	12
136	3D-printed self-healing composite polymer reinforced with carbon nanotubes. <i>Materials Letters</i> , 2019 , 249, 91-94	3.3	17
135	Development of self passivating W-Eurofer brazed joints. <i>Fusion Engineering and Design</i> , 2019 , 146, 1810-1813	1.7	8
134	Exploring the mechanical and sensing capabilities of multi-material bonded joints with carbon nanotube-doped adhesive films. <i>Composite Structures</i> , 2019 , 229, 111477	5.3	9
133	Sandwich-Type Composites Based on Smart Ionomeric Polymer and Electrospun Microfibers. <i>Frontiers in Materials</i> , 2019 , 6,	4	6
132	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	8.6	45
131	Carbon nanotubes and graphene into thermosetting composites: Synergy and combined effect. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 46475	2.9	23

130	High heat flux performance of W-Eurofer brazed joints. <i>Journal of Nuclear Materials</i> , 2018 , 499, 225-232	3.3	10
129	Impact of thermal fatigue on W-W brazed joints for divertor components. <i>Journal of Materials Processing Technology</i> , 2018 , 252, 211-216	5.3	11
128	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	8.6	24
127	Influence of Thickness and Lateral Size of Graphene Nanoplatelets on Water Uptake in Epoxy/Graphene Nanocomposites. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1550	2.6	34
126	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	3.4	16
125	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	10	20
124	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	3.9	11
123	Thermally activated shape memory behavior of copolymers based on ethylene reinforced with silica nanoparticles. <i>Nanocomposites</i> , 2018 , 4, 19-35	3.4	9
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> , 2017 , 490, 188-196	3.3	26
121	Graphene nanoplatelets coated glass fibre fabrics as strain sensors. <i>Composites Science and Technology</i> , 2017 , 146, 59-64	8.6	44
120	Improvements in W-Eurofer first wall brazed joint using alloyed powders fillers. <i>Fusion Engineering and Design</i> , 2017 , 124, 1082-1085	1.7	10
119	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	6.7	14
118	Carbon Nanotube-Doped Adhesive Films for Detecting Crack Propagation on Bonded Joints: A Deeper Understanding of Anomalous Behaviors. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 43267-43274	9.5	16
117	Strain Sensing Based on Multiscale Composite Materials Reinforced with Graphene Nanoplatelets. <i>Journal of Visualized Experiments</i> , 2016 ,	1.6	2
116	Thermal conductivity and lap shear strength of GNP/epoxy nanocomposites adhesives. <i>International Journal of Adhesion and Adhesives</i> , 2016 , 68, 407-410	3.4	51
115	GNPs Reinforced Epoxy Nanocomposites Used as Thermal Interface Materials. <i>Journal of Nano Research</i> , 2016 , 38, 18-25	1	2
114	High mobility of carbon nanotubes into thermosetting matrix. <i>European Polymer Journal</i> , 2016 , 74, 209-217	3.1	3
113	Strain monitoring mechanisms of sensors based on the addition of graphene nanoplatelets into an epoxy matrix. <i>Composites Science and Technology</i> , 2016 , 123, 65-70	8.6	71

112	Reversible phenomena and failure localization in self-monitoring GNP/epoxy nanocomposites. <i>Composite Structures</i> , 2016 , 136, 101-105	5.3	13
111	Study of the Fe-Ti/W system for joining applications in high-temperature fusion reactor components. <i>Fusion Engineering and Design</i> , 2016 , 108, 48-54	1.7	2
110	Novel approach to percolation threshold on electrical conductivity of carbon nanotube reinforced nanocomposites. <i>RSC Advances</i> , 2016 , 6, 43418-43428	3.7	25
109	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	3.4	25
108	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> , 2015 , 22, 731-742	2.3	8
107	Graphene nanoplatelets thickness and lateral size influence on the morphology and behavior of epoxy composites. <i>European Polymer Journal</i> , 2014 , 53, 292-301	5.2	63
106	Advantages and disadvantages of the addition of graphene nanoplatelets to epoxy resins. <i>European Polymer Journal</i> , 2014 , 61, 206-214	5.2	130
105	Coupled thermal-electrical analysis of carbon nanotube/epoxy composites. <i>Polymer Engineering and Science</i> , 2014 , 54, 1976-1982	2.3	10
104	Analysis of the brazability of W/W joints using a high temperature Ni-based alloy. <i>Materials & Design</i> , 2014 , 54, 900-905		12
103	Epoxy Adhesives Modified with Graphene for Thermal Interface Materials 2014 , 90, 835-847		20
102	Study of efficiency of different commercial carbon nanotubes on manufacturing of epoxy matrix composites. <i>Journal of Composite Materials</i> , 2014 , 48, 3169-3177	2.7	8
101	In situ processing of epoxy composites reinforced with graphene nanoplatelets. <i>Composites Science and Technology</i> , 2013 , 86, 185-191	8.6	90
100	A brief summary of the progress on the EFDA tungsten materials program. <i>Journal of Nuclear Materials</i> , 2013 , 442, S173-S180	3.3	63
99	Optimum Dispersion Technique of Carbon Nanotubes in Epoxy Resin as a Function of the Desired Behaviour. <i>Journal of Nano Research</i> , 2013 , 26, 177-186	1	4
98	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	10	30
97	Self-stratifying and orientation of exfoliated few-layer graphene nanoplatelets in epoxy composites. <i>Composites Science and Technology</i> , 2013 , 85, 136-141	8.6	26
96	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	3.4	31
95	Effect of the carbon nanotube functionalization on flexural properties of multiscale carbon fiber/epoxy composites manufactured by VARIM. <i>Composites Part B: Engineering</i> , 2013 , 45, 1613-1619	10	112

94	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	10	43
93	Recent progress in research on tungsten materials for nuclear fusion applications in Europe. <i>Journal of Nuclear Materials</i> , 2013 , 432, 482-500	3-3	494
92	Application of atomic force microscopy to the study of blown polyethylene films. <i>Polymer Testing</i> , 2012 , 31, 136-148	4-5	5
91	Simultaneous dispersion and alignment of carbon nanotubes in epoxy resin through chronoamperometry. <i>Carbon</i> , 2012 , 50, 5489-5497	10.4	12
90	Water uptake of epoxy composites reinforced with carbon nanofillers. <i>Composites Part A: Applied Science and Manufacturing</i> , 2012 , 43, 2169-2175	8.4	86
89	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	10	27
88	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	10	18
87	Adhesive bonding of carbon fibre/epoxy laminates: Correlation between surface and mechanical properties. <i>Surface and Coatings Technology</i> , 2012 , 207, 602-607	4-4	27
86	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	4-1	21
85	Use of carbon nanotubes for strain and damage sensing of epoxy-based composites. <i>International Journal of Smart and Nano Materials</i> , 2012 , 3, 152-161	3.6	12
84	Wear resistant coatings: Silica sol-gel reinforced with carbon nanotubes. <i>Thin Solid Films</i> , 2011 , 519, 7904-7910	2-2	22
83	Experimental study of Eurofer laser brazing for divertor application. <i>Journal of Nuclear Materials</i> , 2011 , 418, 239-248	3-3	26
82	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	3-4	48
81	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> , 2011 , 71, 765-771	8.6	56
80	Mechanical analysis of carbon nanofiber/epoxy resin composites. <i>Polymer Composites</i> , 2011 , 32, 1640-1651	3-1	12
79	Characterization of carbon nanofiber/epoxy nanocomposites by the nanoindentation technique. <i>Composites Part B: Engineering</i> , 2011 , 42, 638-644	10	51
78	Wear improvement of sol-gel silica coatings on A380/SiCp aluminium composite substrate by diode laser sintering. <i>Materials & Design</i> , 2011 , 32, 3865-3875		7
77	Sol-gel coatings of low sintering temperature for corrosion protection of ZE41 magnesium alloy. <i>Surface and Coatings Technology</i> , 2011 , 205, 4183-4191	4-4	31

76	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	2	24
75	Strength and Durability of Epoxy-Aluminum Joints 2010 , 86, 409-429		4
74	Raman spectroscopy of chalcogenide thin films prepared by PLD. <i>Journal of Alloys and Compounds</i> , 2010 , 495, 642-645	5.7	9
73	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	8.4	45
72	Influence of the filler material on pitting corrosion in welded duplex stainless steel 2205. <i>Welding International</i> , 2010 , 24, 105-110	0.1	17
71	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	2	29
70	Fabrication of novel sol-gel silica coatings reinforced with multi-walled carbon nanotubes. <i>Materials Letters</i> , 2010 , 64, 924-927	3.3	8
69	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	2.5	11
68	Thermo-physical characterisation of epoxy resin reinforced by amino-functionalized carbon nanofibers. <i>Composites Science and Technology</i> , 2009 , 69, 349-357	8.6	88
67	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	2.5	6
66	Effect of surface pre-treatment on the adhesive strength of epoxy-aluminium joints. <i>International Journal of Adhesion and Adhesives</i> , 2009 , 29, 23-31	3.4	109
65	Laser densification of sol-gel silica coatings on aluminium matrix composites for corrosion and hardness improvement. <i>Surface and Coatings Technology</i> , 2009 , 203, 1474-1480	4.4	14
64	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	3.5	55
63	Effect of reinforcement geometry on precipitation kinetics of powder metallurgy AA2009/SiC composites. <i>Journal of Alloys and Compounds</i> , 2009 , 479, 451-456	5.7	24
62	Identification of β and β' phases in AA2009/SiC composites. <i>Journal of Alloys and Compounds</i> , 2009 , 482, 187-195	5.7	14
61	Nanoreinforced Epoxy Adhesives for Aerospace Industry 2009 , 85, 180-199		42
60	Synthesis and characterisation of epoxy resins reinforced with carbon nanotubes and nanofibers. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 6181-7	1.3	22
59	Al/SiC composite coatings of steels by thermal spraying. <i>Materials Letters</i> , 2008 , 62, 2114-2117	3.3	19

58	Hardness recovery of ceramic coated aluminium matrix composites using thermal-shock resistant sol-gel silica coatings. <i>Materials Letters</i> , 2008 , 62, 4315-4318	3.3	7
57	Effect of temperature on sintered austeno-ferritic stainless steel microstructure. <i>Journal of Alloys and Compounds</i> , 2008 , 463, 552-558	5.7	28
56	Oxidation Mechanisms of Copper and Nickel Coated Carbon Fibers. <i>Oxidation of Metals</i> , 2008 , 69, 327-341	6	12
55	Effects of dispersion techniques of carbon nanofibers on the thermo-physical properties of epoxy nanocomposites. <i>Composites Science and Technology</i> , 2008 , 68, 2722-2730	8.6	86
54	Protection against corrosion of aluminium-SiC composites by sol-gel silica coatings. <i>Surface and Coatings Technology</i> , 2008 , 202, 3755-3763	4.4	18
53	Durability of Aluminium Adhesive Joints Bonded with a Homopolymerised Epoxy Resin 2007 , 83, 1-14		7
52	Fracture toughness of controlled-rheology polypropylenes. <i>E-Polymers</i> , 2007 , 7,	2.7	2
51	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	4.4	24
50	Surface treatment of aluminum matrix composites using a high power diode laser. <i>Surface and Coatings Technology</i> , 2007 , 202, 1199-1203	4.4	21
49	Wear resistance of multilayered sol-gel silica layers on aluminium matrix composites. <i>Surface and Coatings Technology</i> , 2007 , 202, 1144-1148	4.4	9
48	Weldability of a 2205 duplex stainless steel using plasma arc welding. <i>Journal of Materials Processing Technology</i> , 2007 , 182, 624-631	5.3	79
47	Electroless multilayer coatings on aluminium-silicon carbide composites for electronics packaging. <i>Journal of the European Ceramic Society</i> , 2007 , 27, 3983-3986	6	18
46	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	2.3	6
45	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	4.1	7
44	Electroless nickel coated short carbon fibres in aluminium matrix composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2007 , 38, 566-575	8.4	97
43	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> , 2007 , 38, 1947-1956	8.4	57
42	Influence of the Heat Treatments on the Corrosion Resistance of a Duplex Stainless Steel Manufactured by Powder Metallurgy. <i>Corrosion</i> , 2006 , 62, 84-89	1.8	2
41	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	2	37

40	Comparative study on the adhesive properties of different epoxy resins. <i>International Journal of Adhesion and Adhesives</i> , 2006 , 26, 125-132	3.4	115
39	Dual layer silica coatings of SiC particle reinforcements in aluminium matrix composites. <i>Surface and Coatings Technology</i> , 2006 , 200, 4017-4026	4.4	16
38	Characterisation of multilayered sol-gel silica coatings on aluminium/SiC composites. <i>Surface and Coatings Technology</i> , 2006 , 201, 3715-3722	4.4	15
37	Characterization of interfacial mechanical properties in carbon fiber/aluminium matrix composites by the nanoindentation technique. <i>Composites Science and Technology</i> , 2005 , 65, 2025-2038	8.6	90
36	Effect of silica coatings on interfacial mechanical properties in aluminium/SiC composites characterized by nanoindentation. <i>Scripta Materialia</i> , 2005 , 52, 977-982	5.6	40
35	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> , 2005 , 44, 270-277	1.9	3
34	Sol-gel coatings to improve processing of aluminium matrix SiC reinforced composite materials. <i>Journal of Materials Research</i> , 2004 , 19, 2109-2116	2.5	17
33	Effect of Reinforcement Coating on Corrosion Behavior of AA6061/SiC/20p Composite in High Relative Humidity Environments. <i>Corrosion</i> , 2004 , 60, 945-953	1.8	6
32	Sol-gel Coatings as Active Barriers to Protect Ceramic Reinforcement in Aluminum Matrix Composites. <i>Advanced Engineering Materials</i> , 2004 , 6, 57-61	3.5	18
31	Oxidation treatments for SiC particles used as reinforcement in aluminium matrix composites. <i>Composites Science and Technology</i> , 2004 , 64, 1843-1854	8.6	118
30	Mecanismos de corrosi3n en materiales compuestos de matriz de aluminio con refuerzo de SiC. <i>Boletin De La Sociedad Espanola De Ceramica Y Vidrio</i> , 2004 , 43, 233-236	1.9	2
29	Interacci3n entre el aluminio fundido y las fibras de carbono recubiertas con cobre y n3quel en materiales compuestos de matriz met3lica. <i>Boletin De La Sociedad Espanola De Ceramica Y Vidrio</i> , 2004 , 43, 409-412	1.9	3
28	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> , 2004 , 40, 209-213	0.4	2
27	Dissimilar welds between unreinforced AA6082 and AA6092/SiC/25p composite by pulsed-MIG arc welding using unreinforced filler alloys (AlMg and AlSi). <i>Journal of Materials Processing Technology</i> , 2003 , 143-144, 846-850	5.3	41
26	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> , 2002 , 37, 4633-4643	4.3	21
25	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	1.9	16
24	Interfacial reactions in an Al-Cu-Mg (2009)/SiCw composite during liquid processing Part II Arc welding. <i>Journal of Materials Science</i> , 2001 , 36, 429-439	4.3	17
23	Interfacial reactions in an Al-Cu-Mg (2009)/SiCw composite during liquid processing Part I Casting. <i>Journal of Materials Science</i> , 2001 , 36, 419-428	4.3	12

22	High temperature soldering of SiC particulate aluminium matrix composites (series 2000) using ZnAl filler alloys. <i>Science and Technology of Welding and Joining</i> , 2001 , 6, 1-11	3.7	47
21	Influence of interface reactions on fracture mechanisms in TIG arc-welded aluminium matrix composites. <i>Composites Science and Technology</i> , 2000 , 60, 613-622	8.6	102
20	Diffusion bonding of alumina reinforced 6061 alloy metal matrix composite using AlLi interlayer. <i>Materials Science and Technology</i> , 2000 , 16, 103-109	1.5	9
19	TIG and MIG welding of 6061 and 7020 aluminium alloys. Microstructural studies and mechanical properties. <i>Welding International</i> , 1999 , 13, 293-295	0.1	4
18	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, 124-36	1.9	16
17	Corrosion behaviour of AA6061 and AA7005 reinforced with Al ₂ O ₃ particles in aerated 3.5% chloride solutions: potentiodynamic measurements and microstructure evaluation. <i>Corrosion Science</i> , 1998 , 41, 529-545	6.8	60
16	TIG welding of Uranus 45N duplex stainless steel: Changes in microstructure and properties. <i>Welding International</i> , 1998 , 12, 548-558	0.1	2
15	Tem characterization of diffusion bonding of superplastic 8090 Al-Li alloy. <i>Scripta Materialia</i> , 1996 , 34, 617-623	5.6	20
14	Charpy impact test of Ti-6Al-4V joints diffusion welded at low temperature. <i>Scripta Materialia</i> , 1996 , 35, 479-484	5.6	20
13	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	5.6	26
12	Diffusion bonding of an aluminium-lithium alloy (AA8090) using aluminium-copper alloy interlayers. <i>Journal of Materials Science</i> , 1996 , 31, 807-817	4.3	13
11	Latest developments for microstructural and chemical characterization of diffusion bonding in superplastic 8090 AlLi alloys. <i>Journal of Materials Research</i> , 1996 , 11, 63-71	2.5	4
10	Microstructural characterisation of the bond interface in diffusion bonding of superplastic Al-Li alloys. <i>Welding International</i> , 1995 , 9, 455-461	0.1	
9	Welding of HSLA steels examined by a simulation technique. <i>Welding International</i> , 1992 , 6, 878-886	0.1	
8	Diffusion bonding of Ti-6Al-4V alloy at low temperature: metallurgical aspects. <i>Journal of Materials Science</i> , 1992 , 27, 391-398	4.3	27
7	Diffusion bonding of alumina to steel using soft copper interlayer. <i>Journal of Materials Science</i> , 1992 , 27, 599-606	4.3	17
6	Tensile strength of Armco iron-ETP copper diffusion bonds. <i>Journal of Materials Science Letters</i> , 1989 , 8, 137-140		2
5	Diffusion bonding of grey cast iron to ARMCO iron and a carbon steel. <i>Journal of Materials Science</i> , 1989 , 24, 4152-4159	4.3	13

4	Special features of the formation of the diffusion bonded joints between copper and aluminium. <i>Journal of Materials Science</i> , 1988 , 23, 2273-2280	4-3	36
3	Solid-state transformations during diffusion bonding of copper to iron. <i>Journal of Materials Science</i> , 1988 , 23, 1231-1236	4-3	19
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