Vicente AmigÃ³

List of Publications by Year
in descending order

157 papers	2,486 citations	201674 27 h-index	265206 42 g-index
160 all docs	160 docs citations	160 times ranked	2504 citing authors

#	Article	IF	Citations
1	The effect of temperature on the geopolymerization process of a metakaolin-based geopolymer. Materials Letters, 2011, 65, 995-998.	2.6	178
2	Sliding wear resistance of TiCp reinforced titanium composite coating produced by laser cladding. Surface and Coatings Technology, 2010, 204, 3161-3166.	4.8	103
3	Processing, characterization and biological testing of porous titanium obtained by space-holder technique. Journal of Materials Science, 2012, 47, 6565-6576.	3.7	77
4	Influence of the fabrication process and fluoride content on the tribocorrosion behaviour of Ti6Al4V biomedical alloy in artificial saliva. Journal of the Mechanical Behavior of Biomedical Materials, 2013, 20, 137-148.	3.1	77
5	Tribology and high temperature friction wear behavior of MCrAlY laser cladding coatings on stainless steel. Wear, 2015, 330-331, 280-287.	3.1	77
6	Study of the biotribocorrosion behaviour of titanium biomedical alloys in simulated body fluids by electrochemical techniques. Wear, 2012, 294-295, 409-418.	3.1	66
7	Heterostructured stainless steel: Properties, current trends, and future perspectives. Materials Science and Engineering Reports, 2022, 150, 100691.	31.8	65
8	Tribocorrosion behavior of beta titanium biomedical alloys in phosphate buffer saline solution. Journal of the Mechanical Behavior of Biomedical Materials, 2015, 46, 59-68.	3.1	63
9	High temperature oxidation behavior of laser cladding MCrAlY coatings on austenitic stainless steel. Surface and Coatings Technology, 2015, 270, 243-248.	4.8	58
10	Microstructural, electrochemical and tribo-electrochemical characterisation of titanium-copper biomedical alloys. Corrosion Science, 2016, 109, 115-125.	6.6	58
11	Laser Cladding of TiAl Intermetallic Alloy on Ti6Al4V -Process Optimization and Properties. Physics Procedia, 2014, 56, 284-293.	1.2	54
12	Microstructure and mechanical behavior of 6061Al reinforced with silicon nitride particles, processed by powder metallurgy. Scripta Materialia, 2000, 42, 383-388.	5.2	50
13	Crack Free Tungsten Carbide Reinforced Ni(Cr) Layers obtained by Laser Cladding. Physics Procedia, 2011, 12, 338-344.	1.2	50
14	Laser Cladding of TiC for Better Titanium Components. Physics Procedia, 2011, 12, 313-322.	1.2	49
15	Incorporation of photoactive TiO2 in an aluminosilicate inorganic polymer by ion exchange. Microporous and Mesoporous Materials, 2012, 153, 282-287.	4.4	44
16	Modeling of phase transformations of Ti6Al4V during laser metal deposition. Physics Procedia, 2011, 12, 666-673.	1.2	40
17	Mechanical and microstructural characterization of MCrAlY coatings produced by laser cladding: The influence of the Ni, Co and Al content. Surface and Coatings Technology, 2018, 338, 22-31.	4.8	40
18	Ion-exchanged geopolymer for photocatalytic degradation of a volatile organic compound. Materials Letters, 2014, 134, 222-224.	2.6	39

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19	Analysis of Boron Carbide Aluminum Matrix Composites. Journal of Composite Materials, 2009, 43, 987-995.	2.4	37
20	Tribocorrosion mechanisms of Ti₆Al₄V biomedical alloys in artificial saliva with different pHs. Journal Physics D: Applied Physics, 2013, 46, 404003.	2.8	37
21	Nanoindentation study of the interfacial zone between cellulose fiber and cement matrix in extruded composites. Cement and Concrete Composites, 2018, 85, 1-8.	10.7	33
22	Influence of Î²-phase stability in elemental blended Ti-Mo and Ti-Mo-Zr alloys. Micron, 2021, 142, 102992.	2.2	33
23	Microstructural evolution of Tiâ€“6Alâ€“4V during the sintering of microspheres of Ti for orthopedic implants. Journal of Materials Processing Technology, 2003, 141, 117-122.	6.3	32
24	Insights into pulsed electrodeposition of GMR multilayered nanowires. Journal of Magnetism and Magnetic Materials, 2007, 316, e242-e245.	2.3	32
25	Analysis of bending strength of porous titanium processed by space holder method. Powder Metallurgy, 2011, 54, 67-70.	1.7	31
26	Influence of processing variables on mechanical characteristics of sunlight aged polyesterâ€“glass fibre composites. Polymer Degradation and Stability, 2000, 71, 179-184.	5.8	30
27	Laser Cladding of MCrAlY Coatings on Stainless Steel. Physics Procedia, 2014, 56, 276-283.	1.2	29
28	Microstructure and mechanical properties of NiCoCrAlYTa alloy processed by press and sintering route. Materials Characterization, 2015, 101, 159-165.	4.4	29
29	Electrochemical characterization and passivation behaviour of new beta-titanium alloys (Ti35Nb10Ta-xFe). Electrochimica Acta, 2017, 227, 410-418.	5.2	29
30	Electrochemical behavior of near-beta titanium biomedical alloys in phosphate buffer saline solution. Materials Science and Engineering C, 2015, 48, 55-62.	7.3	27
31	Microstructure assessment at high temperature in NiCoCrAlY overlay coating obtained by laser metal deposition. Journal of Materials Research and Technology, 2019, 8, 1761-1772.	5.8	26
32	Microstructure and mechanical behaviour of Alâ€“Siâ€“Mg alloys reinforced with Tiâ€“Al intermetallics. Journal of Materials Processing Technology, 2003, 143-144, 605-611.	6.3	25
33	A novel proposal to manipulate the properties of titanium parts by laser surface alloying. Scripta Materialia, 2013, 68, 471-474.	5.2	25
34	Effect of laser irradiation on failure mechanism of TiCp reinforced titanium composite coating produced by laser cladding. Journal of Materials Processing Technology, 2014, 214, 2325-2332.	6.3	25
35	Microstructural evolution and mechanical properties of in-situ as-cast beta titanium matrix composites. Journal of Alloys and Compounds, 2019, 778, 186-196.	5.5	25
36	From Porous to Dense Nanostructured Î²-Ti alloys through High-Pressure Torsion. Scientific Reports, 2017, 7, 13618.	3.3	24

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37	Development of porous Ti6Al4V samples by microsphere sintering. Journal of Materials Processing Technology, 2012, 212, 3-7.	6.3	22
38	Development of a novel fcc structure for an amorphous-nanocrystalline Ti-33Nb-4Mn (at.%) ternary alloy. Materials Characterization, 2018, 135, 46-56.	4.4	21
39	Corrosion behaviour of Ti6Al4V ELI nanotubes for biomedical applications. Journal of Materials Research and Technology, 2019, 8, 5548-5556.	5.8	21
40	Microstructure and Mechanical Behavior of Porous Tiâ€“6Alâ€“4V Processed by Spherical Powder Sintering. Materials, 2013, 6, 4868-4878.	2.9	20
41	Bond strength of selected composite resin-cements to zirconium-oxide ceramic. Medicina Oral, Patologia Oral Y Cirugia Bucal, 2013, 18, e115-e123.	1.7	20
42	Effect of Fe content, sintering temperature and powder processing on the microstructure, fracture and mechanical behaviours of Ti-Mo-Zr-Fe alloys. Journal of Alloys and Compounds, 2017, 729, 1215-1225.	5.5	20
43	Bond strength evaluation of the veneering-ceramics bonds. Medicina Oral, Patologia Oral Y Cirugia Bucal, 2010, , e919-e923.	1.7	17
44	Effect of porosity on the absorbed, reemitted and transmitted light by a geopolymer metakaolin base. Materials Letters, 2011, 65, 880-883.	2.6	17
45	Influence of fabrication process on electrochemical and surface properties of Tiâ€“6Alâ€“4V alloy for medical applications. Electrochimica Acta, 2013, 95, 102-111.	5.2	17
46	Breakdown, free-volume and dielectric behavior of the nanodielectric coatings based on epoxy/metal oxides. Journal of Materials Science: Materials in Electronics, 2016, 27, 9240-9254.	2.2	17
47	Comparative study between high-velocity oxygen fuel and flame spraying using MCrAlY coats on a 304 stainless steel substrate. Journal of Materials Research and Technology, 2019, 8, 4253-4263.	5.8	17
48	Development of Alâ€“Siâ€“Mg alloys reinforced with diboride particles. Journal of Materials Processing Technology, 2003, 143-144, 598-604.	6.3	15
49	Influence of process parameters and initial microstructure on the oxidation resistance of Ti48Al2Cr2Nb coating obtained by laser metal deposition. Surface and Coatings Technology, 2019, 358, 114-124.	4.8	15
50	Influence of Microalloying Elements on Recrystallization Texture of Warm-Rolled Interstitial Free Steels. Materials Transactions, 2010, 51, 625-634.	1.2	14
51	Mechanical Properties and the Microstructure of Î² Ti-35Nb-10Ta-xFe Alloys Obtained by Powder Metallurgy for Biomedical Applications. Metals, 2019, 9, 76.	2.3	14
52	Surface Modification of Porous Titanium Discs Using Femtosecond Laser Structuring. Metals, 2020, 10, 748.	2.3	14
53	Effect of alloying elements on laser surface modification of powder metallurgy to improve surface mechanical properties of beta titanium alloys for biomedical application. Journal of Materials Research and Technology, 2021, 14, 1222-1234.	5.8	14
54	Mechanical, Corrosion, and Ion Release Studies of Ti-34Nb-6Sn Alloy with Comparable to the Bone Elastic Modulus by Powder Metallurgy Method. , 2022, 1, 3-17.		14

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55	Recent advances in laser surface treatment of titanium alloys. Journal of Laser Applications, 2011, 23, 022005.	1.7	13
56	Microstructure and Mechanical Properties of Ti-Mo-Zr-Cr Biomedical Alloys by Powder Metallurgy. Journal of Materials Engineering and Performance, 2017, 26, 1262-1271.	2.5	13
57	Surface modification of austenitic steel by low-temperature plasma. Vacuum, 2005, 78, 389-394.	3.5	12
58	Electrochemical criteria for evaluating conservative treatments applied to contemporary metallic sculpture. A case study. Journal of Solid State Electrochemistry, 2010, 14, 437-447.	2.5	12
59	Characterization, corrosion resistance and hardness of rapidly solidified Niâ€“Nb alloys. Journal of Alloys and Compounds, 2020, 829, 154529.	5.5	12
60	Improvements in tribological and anticorrosion performance of porous Ti-6Al-4V via PEO coating. Friction, 2021, 9, 1303-1318.	6.4	12
61	Effect of the microstructure generated by Repetitive Corrugation and Straightening (RCS) process on the mechanical properties and stress corrosion cracking of Al-7075 alloy. Journal of Materials Research and Technology, 2021, 15, 4564-4572.	5.8	12
62	Mechanical and Microstructural Properties of Titanium Matrix Composites Reinforced by TiN Particles. Materials Science Forum, 2007, 534-536, 825-828.	0.3	11
63	Assessment of factors influencing surface recrystallisation during high temperature exposure of fine-grained PM 2000 alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 471, 120-124.	5.6	11
64	Accuracy combining different brands of implants and abutments. Medicina Oral, Patologia Oral Y Cirugia Bucal, 2013, 18, e332-e336.	1.7	11
65	An assessment of microstructure and properties of laser clad coatings of ultrafine eutectic Î² Ti-Fe-Nb-Sn composite for implants. Surface and Coatings Technology, 2017, 328, 161-171.	4.8	11
66	Development of Tiâ€“In alloys by powder metallurgy for application as dental biomaterial. Journal of Materials Research and Technology, 2021, 11, 1719-1729.	5.8	11
67	Development of Tiâ€“Zr alloys by powder metallurgy for biomedical applications. Powder Metallurgy, 2022, 65, 31-38.	1.7	11
68	ValoraciÃ³n puzolÃ¡nica de la hoja de la caÃ±a de azÃºcar. Materiales De Construccion, 2011, 61, 213-225.	0.7	11
69	Stiffness variation of porous titanium developed using space holder method. Powder Metallurgy, 2011, 54, 389-392.	1.7	10
70	Problems in laser repair cladding a surface AISI D2 heat-treated tool steel. Welding International, 2013, 27, 10-17.	0.7	10
71	Application of Plasma Electrolytic Oxidation Coating on Powder Metallurgy Ti-6Al-4V for Dental Implants. Metals, 2020, 10, 1167.	2.3	10
72	Single step heat treatment for the development of beta titanium composites with in-situ TiB and TiC reinforcement. Materials Characterization, 2020, 163, 110286.	4.4	10

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73	P/M MMC's Base Aluminum Reinforced with Ni₃Al Intermetallic Made by Mechanical Alloying Route. Materials Science Forum, 1996, 217-222, 1859-1864.	0.3	9
74	Liquid phase sintering of CMCs based on clinker Portland. Journal of the European Ceramic Society, 2000, 20, 2215-2224.	5.7	9
75	Effects of laser surface melting on crystallographic texture, microstructure, elastic modulus and hardness of Tiâˆ’30Nbâˆ’4Sn alloy. Transactions of Nonferrous Metals Society of China, 2020, 30, 392-404.	4.2	9
76	Evolution of the Microstructure and Mechanical Properties of a Ti35Nb2Sn Alloy Post-Processed by Hot Isostatic Pressing for Biomedical Applications. Metals, 2021, 11, 1027.	2.3	9
77	Desarrollo de las aleaciones de titanio y tratamientos superficiales para incrementar la vida Ãºtil de los implantes. Revista De Metalurgia, 2016, 52, 084.	0.5	9
78	Flexural Characteristics of Sunlight-Aged Polyester Composites: Influence of Processing Variables. Journal of Testing and Evaluation, 2002, 30, 20-26.	0.7	8
79	Mechanical properties of duplex stainless steel laser joints. Welding International, 2006, 20, 361-366.	0.7	7
80	Mechanical Properties of Composites Made of an Aluminum Alloy Matrix Reinforced with Titanium Nitride Particles, Consolidated by Powder Extrusion. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2007, 38, 1-4.	2.1	7
81	In vitro experimental study of bonding between aluminium oxide ceramics and resin cements. Medicina Oral, Patologia Oral Y Cirugia Bucal, 2009, 15, e95-e100.	1.7	7
82	Electrochemical corrosion behavior and mechanical properties of Tiâ€“Ag biomedical alloys obtained by two powder metallurgy processing routes. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 112, 104063.	3.1	7
83	Evaluation of the influence of low Mg content on the mechanical and microstructural properties of Î² titanium alloy. Journal of Materials Research and Technology, 2021, 10, 916-925.	5.8	7
84	Electrochemical corrosion behavior of Tiâ€“35Nbâ€“7Zrâ€“5Ta powder metallurgic alloys after Hot Isostatic Process in fluorinated artificial saliva. Journal of Materials Research and Technology, 2022, 16, 1435-1444.	5.8	7
85	Cure effects on post-impact tensile characteristics of 2D epoxy composites. Journal of Materials Processing Technology, 2003, 143-144, 209-213.	6.3	6
86	Interactions in Titanium Matrix Composites Reinforced by Titanium Compounds by Conventional PM Route. Materials Science Forum, 2007, 534-536, 817-820.	0.3	6
87	Laser Surface Modification in Ti-xNb-yMo Alloys Prepared by Powder Metallurgy. Metals, 2021, 11, 367.	2.3	6
88	Microstructural, mechanical, electrochemical, and biological studies of an electron beam melted Ti-6Al-4V alloy. Materials Today Communications, 2022, 31, 103337.	1.9	6
89	FabricaciÃ³n de gres porcelÃ¡nico empleando ceniza de tamo de arroz en sustituciÃ³n del feldespato. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2013, 52, 283-290.	1.9	5
90	Surface Modification of Ti-35Nb-10Ta-1.5Fe by the Double Acid-Etching Process. Materials, 2018, 11, 494.	2.9	5

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91	Study of the current density of the electrical resistance sintering technique on microstructural and mechanical properties in a Î² Ti-Nb-Sn ternary alloy. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	5
92	Study of the solidification of M2 high speed steel Laser Cladding coatings. Revista De Metalurgia, 2013, 49, 369-377.	0.5	5
93	Microestructura y propiedades mecÃ¡nicas de materiales compuestos de matriz Al-Mg-Si-Cu reforzada con AlNp, procesados por extrusiÃ³n de polvos. Revista De Metalurgia, 2000, 36, 348-356.	0.5	5
94	Matrix-reinforcement reactivity in P/M titanium matrix composites. Revista De Metalurgia, 2007, 43, .	0.5	5
95	CaracterizaciÃ³n mecÃ¡nica de aleaciones Ti-Nb mediante ensayos de flexiÃ³n biaxial. Revista De Metalurgia, 2010, 46, 19-25.	0.5	5
96	Study of Electrochemical and Biological Characteristics of As-Cast Ti-Nb-Zr-Ta System Based on Its Microstructure. Metals, 2022, 12, 476.	2.3	5
97	Mechanical, stress corrosion cracking and crystallographic study on flat components processed by two combined severe plastic deformation techniques. Journal of Materials Research and Technology, 2022, 18, 1281-1294.	5.8	5
98	Pitting corrosion of an Al-Mg-Si-Cu alloy reinforced with nitride particles, P/M processed. Journal of Materials Science Letters, 2001, 20, 197-199.	0.5	4
99	Evaluation of chemical degradation of commercial polypropylene. Journal of Materials Processing Technology, 2003, 143-144, 693-697.	6.3	4
100	Titanium Metal Matrix Composite Laser Coatings Based on Carbides. Materials Science Forum, 0, 727-728, 299-304.	0.3	4
101	Processing and Characterization of Î²-Ti Alloys by Means of Powder Metallurgy Processing and Blender Elemental. Materials Science Forum, 2012, 727-728, 61-66.	0.3	4
102	Investigations of Ti Binary Alloys Manufactured by Powder Metallurgy for Biomaterial Applications. Acta Physica Polonica A, 2018, 134, 415-418.	0.5	4
103	Influencia del tratamiento HIP en la distribuciÃ³n de los carburos en prÃ³tesis Co-Cr-Mo. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2004, 43, 573-577.	1.9	4
104	Cenizas del tamo de arroz como substituto del feldespato en la fabricaciÃ³n de cerÃ¡mica blanca. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2013, 52, 25-30.	1.9	4
105	Propiedades mecÃ¡nicas de las uniones por lÃ¡ser de aceros inoxidables dÃºplex. Revista De Metalurgia, 2005, 41, 90-97.	0.5	4
106	Estudio de las propiedades mecÃ¡nicas en materiales compuestos de matriz aluminio pulvimetalÃºrgicos conformados mediante forja o extrusiÃ³n. Revista De Metalurgia, 2005, 41, 365-373.	0.5	4
107	A physical model for the aging of an aluminum-base alloy reinforced with nitride particles. Inorganic Materials, 2006, 42, 1065-1071.	0.8	3
108	Development of a stress-induced martensitic transformation criterion for a Cuâ€“Alâ€“Be polycrystalline shape memory alloy undergoing uniaxial tension. Acta Materialia, 2015, 97, 131-145.	7.9	3

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109	Effects of Laser Surface Melting on Tiâ€“30Nbâ€“2Sn Sintered Alloy. Advanced Engineering Materials, 2017, 19, 1500640.	3.5	3
110	Assessment of Sisal Fiber Integrity as a Reinforcing Element in MgO-Based Cement Matrices. Waste and Biomass Valorization, 2020, 11, 3045-3056.	3.4	3
111	Effect of welding on the microstructure and stress corrosion cracking susceptibility of AA7028 alloy. Welding International, 1997, 11, 973-977.	0.7	2
112	PM companies eye a new future of taking medicine. Metal Powder Report, 2009, 64, 12-17.	0.1	2
113	Fatigue behaviour of GMAW welded aluminium alloy AA7020. Welding International, 2009, 23, 773-777.	0.7	2
114	Microstructural characterisation of Tiâ€“Nbâ€“(Feâ€“Cr) alloys obtained by powder metallurgy. Powder Metallurgy, 2014, 57, 316-319.	1.7	2
115	Effect of Fe Addition on Microstructure and Properties of Powder Metallurgy Ti35Nb10Ta Alloy. Materials Science Forum, 0, 899, 206-211.	0.3	2
116	Influence of Heat Treatment and UV Irradiation on the Wettability of Ti35Nb10Ta Nanotubes. Metals, 2018, 8, 37.	2.3	2
117	Laser surface alloying applied on Ti-3Mo and Ti-10Nb sintered parts. Surface and Coatings Technology, 2021, 407, 126773.	4.8	2
118	Titanium, Titanium Alloys and Composites. , 2022, , 179-199.		2
119	EvaluaciÃ³n de la oxidaciÃ³n superficial de recubrimientos de Ti6Al4V obtenidos por recubrimiento por lÃ¡ser. Revista De Metalurgia, 2010, 46, 13-18.	0.5	2
120	Problemas en la reparaciÃ³n por laser cladding de superficies de acero AISI D2 tratado tÃ©rmicamente. Revista De Metalurgia, 2010, 46, 340-350.	0.5	2
121	Estudio microestructural y de resistencia de uniones soldadas de la aleaciÃ³n AW7020 por procedimiento MIG en funciÃ³n de la preparaciÃ³n de bordes. Revista De Metalurgia, 2000, 36, 33-39.	0.5	2
122	Fatigue behavior of GMAW welded Aluminium alloy AA7020. Revista De Metalurgia, 2007, 43, .	0.5	2
123	CaracterizaciÃ³n mecÃ¡nica de aleaciones porosas, base Ti, producidas mediante la tÃ©cnica de sinterizaciÃ³n con espaciador. Revista De Metalurgia, 2010, 46, 26-32.	0.5	2
124	FabricaciÃ³n y caracterizaciÃ³n de aleaciones porosas de Ti y Ti6Al4V producidas mediante sinterizaciÃ³n con espaciador. Revista De Metalurgia, 2013, 49, 20-30.	0.5	2
125	Influence of delay step conditions between quenching and aging on the precipitation mechanisms in the alloy AlZnMg AA7028 aging process. Scripta Materialia, 1997, 36, 673-679.	5.2	1
126	Microstructural and strength study of MIG welded joints of AW7020 aluminium alloy, as a function of joint geometry. Welding International, 2000, 14, 970-974.	0.7	1

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127	Focused Ion Beam Sectioning and Lift-out Method for Copper and Resist Vias in Organic Low-k Dielectrics. Microscopy and Microanalysis, 2002, 8, 502-508.	0.4	1
128	Development of Aluminium Composites through P/M Route: Case of Nitrides. Materials Science Forum, 2003, 426-432, 2139-2144.	0.3	1
129	Microstructural change of the HAZ in an MIG welded bond on an AA7020 aluminium alloy: stress corrosion crack growth rate in dissimilar metal welds. Welding International, 2004, 18, 538-542.	0.7	1
130	Gas Nitriding of Sintered Austenitic Stainless Steel. Defect and Diffusion Forum, 2011, 312-315, 524-529.	0.4	1
131	Refuerzo secundario de pastas de cemento portland ultrafino con nanofibras agregadas de poli (alcohol vinÃ¡lico). Revista De La Construccion, 2013, 12, 61-66.	0.5	1
132	Fractographic Study of the Interface Between Zirconia Y-TZP and Its Veneering Ceramic After Shear Strength Testing. International Journal of Prosthodontics, 2015, 28, 432-434.	1.7	1
133	Effect of Extensive and Limited Plastic Deformation on Recrystallized Microstructure of Oxide Dispersion Strengthened Fe-Cr-Al Alloy. Metals, 2018, 8, 1052.	2.3	1
134	ObtenciÃ³n por vÃa pulvimetalÃºrgica de materiales compuestos de matriz de aluminio reforzados con nitruros. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2000, 39, 503-505.	1.9	1
135	Comportamiento mecÃ¡nico de compuestos de aluminio reforzados con partÃculas en funciÃ³n de la temperatura. Revista De Metalurgia, 2001, 37, 245-249.	0.5	1
136	EvoluciÃ³n del comportamiento a traccciÃ³n de composites poliÃ©ster y fibra de vidrio sometidos a degradaciÃ³n tÃ©rmica y lumÃnica. Revista De Metalurgia, 2001, 37, 250-254.	0.5	1
137	EvoluciÃ³n microestructural de la ZAC en la uniÃ³n soldada con MIG sobre una aleaciÃ³n de aluminio AA7020W. Revista De Metalurgia, 2003, 39, 298-303.	0.5	1
138	Mechanical and microstructural evolution of a 3xxx aluminium alloy made by hazelett process. Revista De Metalurgia, 2007, 43, .	0.5	1
139	Wear behaviour of WC plasma sprayed coatings with micro and nanostructured powders. Revista De Metalurgia, 2008, 44, .	0.5	1
140	Laser Cladding of MCrAlY Alloys. , 2021, , 363-394.		1
141	Mechanical Behavior of Al-Mg-Si Alloys Reinforced with Ceramic and Intermetallic Particles. Materials Science Forum, 0, 416-418, 219-227.	0.3	0
142	‹title›Reinforcement of titanium by laser metal deposition‹/title›. , 2010, , .		0
143	Processing of Ti Scaffolds by Sintering with Different Spacers. Materials Science Forum, 2012, 727-728, 398-403.	0.3	0
144	Application of the Zero-Order Reaction Rate Model and Transition State Theory to predict porous Ti6Al4V bending strength. Materials Science and Engineering C, 2012, 32, 1621-1626.	7.3	0

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145	Effect of Bactericidal Elements Addition on the Microstructure and Mechanical Properties of Ti34Nb Alloy. Materials Science Forum, 0, 899, 185-190.	0.3	0
146	Comportamiento frente al desgaste en materiales compuestos de aluminio reforzados con partÃculas cerÃ¡micas. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2004, 43, 299-303.	1.9	0
147	InvestigaciÃ³n de la interacciÃ³n matriz/refuerzo en materiales compuestos AA6061/partÃculas Ti-Al mediante anÃ¡lisis de imagen. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2004, 43, 255-258.	1.9	0
148	ModificaciÃ³n de las propiedades superficiales de aceros inoxidables DÃºplex mediante recubrimientos por lÃ¡ser. Revista De Metalurgia, 2004, 40, 403-408.	0.5	0
149	Study of the sintering behavior of fine, ultrafine and nanocrystalline WC-Co mixtures obtained by high energy milling. Revista De Metalurgia, 2008, 44, .	0.5	0
150	EvaluaciÃ³n de las transformaciones estructurales en recubrimientos de WC10Ni depositados por laser cladding sobre acero para herramienta EN 12379. Revista De Metalurgia, 2011, 47, 355-364.	0.5	0
151	Microstructure of MCrAlY coatings on steel substrates. , 2013, , .		0
152	Efecto de las variables de proceso sobre el comportamiento a flexiÃ³n de aleaciones Ti - 3% at. X (X = Nb,) Tj ETQq0 0 0 rgBT /Overlock 1	0.5	0
153	Desarrollo de intermetÃ¡licos TiAl mediante tÃ©cnicas pulvimetalÃºrgicas convencionales y de alta densificaciÃ³n. Revista Facultad De IngenierÃa, 2014, 23, 25.	0.2	0
154	Efecto en la microestructura y en la resistencia a la corrosiÃ³n bajo tensiÃ³n del calentamiento producido por la soldadura en la aleaciÃ³n AA7028. Revista De Metalurgia, 1997, 33, 37-43.	0.5	0
155	Influencia de la morfologÃa nanotubular en la mojabilidad y Ã¡ngulo de contacto de las aleaciones Ti6Al4V ELI. Revista De Metalurgia, 2018, 54, 130.	0.5	0
156	Evaluation of the Physical and Biological Properties of Ti-34Nb-6Sn/Mg Alloy Obtained by Powder Metallurgy for Use as Biomaterial. Materials Research, 0, 25, .	1.3	0
157	Magnesium in Synthesis of Porous and Biofunctionalized Metallic Materials. , 0, , .		0