P Hidalgo-Manrique

List of Publications by Year
in descending order

29 papers	1,018 citations	430442 18 h-index	552369 26 g-index
29 all docs	29 docs citations	29 times ranked	958 citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of heat treatment on the mechanical and biocorrosion behaviour of two Mg-Zn-Ca alloys. Journal of Magnesium and Alloys, 2022, 10, 540-554.	5.5	21
2	Direct observation of the dynamic evolution of precipitates in aluminium alloy 7021 at high strain rates via high energy synchrotron X-rays. Acta Materialia, 2021, 205, 116532.	3.8	7
3	Microstructure and properties of aluminium alloy 6082 formed by the Hot Form Quench process. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 804, 140751.	2.6	9
4	Mgâ€“1Znâ€“1Ca alloy for biomedical applications. Influence of the secondary phases on the mechanical and corrosion behaviour. Journal of Alloys and Compounds, 2020, 831, 154735.	2.8	35
5	Interaction Between Precipitate Basal Plates and Tensile Twins in Magnesium Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2019, 50, 3855-3867.	1.1	21
6	Copper/graphene composites: a review. Journal of Materials Science, 2019, 54, 12236-12289.	1.7	193
7	Influence of Precipitation on Twinning in a Mg-Al-Zn Alloy. Materials Science Forum, 2018, 941, 1041-1046.	0.3	0
8	Microstructure and mechanical behaviour of aluminium matrix composites reinforced with graphene oxide and carbon nanotubes. Journal of Materials Science, 2017, 52, 13466-13477.	1.7	48
9	Grain size versus microstructural stability in the high strain rate superplastic response of a severely friction stir processed Al-Zn-Mg-Cu alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 680, 329-337.	2.6	36
10	Precipitation strengthening and reversed yield stress asymmetry in Mg alloys containing rare-earth elements: A quantitative study. Acta Materialia, 2017, 124, 456-467.	3.8	148
11	Influence of the Accumulative Roll Bonding Process Severity on the Microstructure and Superplastic Behaviour of 7075 Al Alloy. Journal of Materials Science and Technology, 2016, 32, 774-782.	5.6	27
12	Strategy for severe friction stir processing to obtain acute grain refinement of an Alâ€“Znâ€“Mgâ€“Cu alloy in three initial precipitation states. Materials Characterization, 2016, 112, 197-205.	1.9	38
13	Origin of the reversed yield asymmetry in Mg-rare earth alloys at high temperature. Acta Materialia, 2015, 92, 265-277.	3.8	39
14	Influence of microstructural stability on the creep mechanism of Alâ€“7wt% Si alloy processed by equal channel angular pressing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 612, 162-171.	2.6	16
15	Control of the Mechanical Asymmetry in an Extruded MN11 Alloy by Static Annealing. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 3282-3291.	1.1	13
16	Role of particles on microstructure and mechanical properties of the severely processed 7075 aluminium alloy. Journal of Materials Science, 2014, 49, 833-841.	1.7	9
17	Evolution of the microstructure, texture and creep properties of the 7075 aluminium alloy during hot accumulative roll bonding. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 606, 434-442.	2.6	31
18	Effect of rare earth additions on the critical resolved shear stresses of magnesium alloys. Materials Letters, 2014, 128, 199-203.	1.3	78

#	Article	IF	Citations
19	Effect of Nd Additions on Extrusion Texture Development and on Slip Activity in a Mg-Mn Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 4819-4829.	1.1	36
20	Influence of strain rate on the twin and slip activity of a magnesium alloy containing neodymium. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 583, 220-231.	2.6	44
21	Lowering the temperature for high strain rate superplasticity in an Alâ€"Mgâ€"Znâ€"Cu alloy via cooled friction stir processing. Materials Chemistry and Physics, 2013, 142, 182-185.	2.0	41
22	Effect of warm accumulative roll bonding on the evolution of microstructure, texture and creep properties in the 7075 aluminium alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 556, 287-294.	2.6	30
23	Microstructural characterization by electron backscatter diffraction of a hot worked Alâ€"Cuâ€"Mg alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 3161-3168.	2.6	11
24	Effect of thermal treatment on the interfacial shear toughness of an aluminium composite laminate. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 2579-2587.	2.6	9
25	Influence of Constituent Materials on the Impact Toughness and Fracture Mechanisms of Hot-Roll-Bonded Aluminum Multilayer Laminates. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2010, 41, 61-72.	1.1	29
26	Influence of the Processing Temperature on the Microstructure, Texture, and Hardness of the 7075 Aluminum Alloy Fabricated by Accumulative Roll Bonding. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2010, 41, 758-767.	1.1	37
27	Matrix grain characterisation by electron backscattering diffraction of powder metallurgy aluminum matrix composites reinforced with MoSi2 intermetallic particles. Materials Characterization, 2010, 61, 1294-1298.	1.9	10
28	Influencia del tratamiento tÃ©rmico en las intercaras y propiedades mecÃ¡nicas de un laminado multicapa de aluminio. Revista De Metalurgia, 2010, 46, 85-94.	0.1	0
29	Accumulative Roll Bonding of 7075 Aluminium Alloy at High Temperature. Materials Science Forum, 0, 638-642, 1929-1933.	0.3	2