Ja MuÃ±oz BolaÃ±os

List of Publications by Year
in descending order

20 papers	277 citations	933447 10 h-index	940533 16 g-index
20 all docs	20 docs citations	20 times ranked	169 citing authors

#	Article	IF	Citations
1	Analysis of the micro and substructural evolution during severe plastic deformation of ARMCO iron and consequences in mechanical properties. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 740-741, 108-120.	5.6	39
2	Microstructural and mechanical study in the plastic zone of ARMCO iron processed by ECAP. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 697, 24-36.	5.6	29
3	Heterogeneity of strain path, texture and microstructure evolution of AA6063-T6 processed by Equal Channel Angular Sheet Extrusion (ECASE). Journal of Alloys and Compounds, 2018, 768, 349-357.	5.5	22
4	Comparison of a low carbon steel processed by Cold Rolling (CR) and Asymmetrical Rolling (ASR): Heterogeneity in strain path, texture, microstructure and mechanical properties. Journal of Manufacturing Processes, 2021, 64, 557-575.	5.9	22
5	Geometrically Necessary Dislocations (GNDs) in iron processed by Equal Channel Angular Pressing (ECAP). Materials Letters, 2019, 238, 42-45.	2.6	21
6	Prediction of Generation of High- and Low-Angle Grain Boundaries (HAGB and LAGB) During Severe Plastic Deformation. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 4674-4684.	2.2	21
7	Ductility and plasticity of ferritic-pearlitic steel after severe plastic deformation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 805, 140624.	5.6	21
8	High cycle fatigue of ARMCO iron severely deformed by ECAP. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 681, 85-96.	5.6	16
9	Thermal stability of ARMCO iron processed by ECAP. International Journal of Advanced Manufacturing Technology, 2018, 98, 2917-2932.	3.0	15
10	Mechanical and microstructural behavior of a heterogeneous austenitic stainless steel processed by Equal Channel Angular Sheet Extrusion (ECASE). Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 792, 139779.	5.6	12
11	Equal channel angular sheet extrusion (ECASE) as a precursor of heterogeneity in an AA6063-T6 alloy. International Journal of Advanced Manufacturing Technology, 2019, 102, 3459-3471.	3.0	11
12	Inducing heterogeneity in an austenitic stainless steel by equal channel angular sheet extrusion (ECASE). Journal of Materials Research and Technology, 2019, 8, 2473-2479.	5.8	9
13	Back stress and strength contributions evolution of a heterogeneous austenitic stainless steel obtained after one pass by equal channel angular sheet extrusion (ECASE). International Journal of Advanced Manufacturing Technology, 2020, 109, 607-617.	3.0	9
14	Characterization of the Gas Tungsten Arc Welding (GTAW) joint of Armco iron nanostructured by Equal-Channel Angular Pressing (ECAP). Journal of Materials Processing Technology, 2021, 288, 116902.	6.3	8
15	Heat treatment effect on an AA6063 alloy. Materials Letters, 2020, 277, 128338.	2.6	6
16	Heterogeneity consequences on the mechanical and microstructural evolution of an AlSi11Cu alloy obtained by selective laser melting. Materials Characterization, 2021, 174, 110989.	4.4	6
17	Equal channel angular sheet extrusion (ECASE) produces twinning heterogeneity in commercially pure titanium. Materials Characterization, 2021, 181, 111460.	4.4	5
18	Effect of microstructural heterogeneity on the balanced-biaxial and tensile behavior of a Zn alloy sheet. Materials Today Communications, 2022, 30, 103126.	1.9	4

#	Article	IF	Citations
19	Effect of loading mode on the microstructural heterogeneity of ultra-fine-grained iron. Materials Letters, 2021, 304, 130630.	2.6	1
20	Dislocation study of ARMCO iron processed by ECAP. Materials Research Society Symposia Proceedings, 2016, 1818, 1.	0.1	0