

Jorge M Cubero-Sesin

List of Publications by Year in descending order

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27
papers

652
citations

687363

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h-index

642732

23
g-index

31
all docs

31
docs citations

31
times ranked

578
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of dislocation-solute atom interactions and stacking fault energy on grain size of single-phase alloys after severe plastic deformation using high-pressure torsion. <i>Acta Materialia</i> , 2014, 69, 68-77.	7.9	173
2	Influence of severe plastic deformation at cryogenic temperature on grain refinement and softening of pure metals: Investigation using high-pressure torsion. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 613, 103-110.	5.6	95
3	Powder consolidation of Al-10 wt% Fe alloy by High-Pressure Torsion. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 558, 462-471.	5.6	58
4	Mechanical Properties and Microstructures of Al-Fe Alloys Processed by High-Pressure Torsion. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012, 43, 5182-5192.	2.2	42
5	Phase transformations, vacancy formation and variations of optical and photocatalytic properties in TiO ₂ -ZnO composites by high-pressure torsion. <i>International Journal of Plasticity</i> , 2020, 124, 170-185.	8.8	41
6	High-pressure torsion for fabrication of high-strength and high-electrical conductivity Al micro-wires. <i>Journal of Materials Science</i> , 2014, 49, 6550-6557.	3.7	33
7	High Strength and Electrical Conductivity of Al-Fe Alloys Produced by Synergistic Combination of High-Pressure Torsion and Aging. <i>Advanced Engineering Materials</i> , 2015, 17, 1792-1803.	3.5	29
8	Strengthening of Al through addition of Fe and by processing with high-pressure torsion. <i>Journal of Materials Science</i> , 2013, 48, 4713-4722.	3.7	27
9	Synthesis of biocompatible high-entropy alloy TiNbZrTaHf by high-pressure torsion. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 825, 141869.	5.6	27
10	Strengthening via Microstructure Refinement in Bulk Al-4 mass% Fe Alloy Using High-Pressure Torsion. <i>Materials Transactions</i> , 2012, 53, 46-55.	1.2	25
11	Age Hardening in Ultrafine-Grained Al-2Pct-Fe Alloy Processed by High-Pressure Torsion. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2015, 46, 2614-2624.	2.2	18
12	Synthesis of nanostructured biomaterials by high-pressure torsion: Effect of niobium content on microstructure and mechanical properties of Ti-Nb alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 795, 139972.	5.6	18
13	Synthesis of Nanostructured TiFe Hydrogen Storage Material by Mechanical Alloying via High-Pressure Torsion. <i>Advanced Engineering Materials</i> , 2020, 22, 2000011.	3.5	13
14	FCC phase formation in immiscible Mg-Hf (magnesium-hafnium) system by high-pressure torsion. <i>AIP Advances</i> , 2020, 10, .	1.3	11
15	Increased Fibroblast Metabolic Activity of Collagen Scaffolds via the Addition of Propolis Nanoparticles. <i>Materials</i> , 2020, 13, 3118.	2.9	9
16	Bioactive Plasma Sprayed Coatings on Polymer Substrates Suitable for Orthopedic Applications: A Study With PEEK. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2018, 2, 520-525.	3.7	5
17	Aging and Precipitation Behavior in Supersaturated Al-2%Fe Alloy Produced by High-Pressure Torsion. <i>Materials Science Forum</i> , 0, 794-796, 766-771.	0.3	4
18	High strength and high electrical conductivity of UFG Al-2%Fe alloy achieved by high-pressure torsion and aging. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014, 63, 012117.	0.6	4

#	ARTICLE	IF	CITATIONS
19	Superplasticity of nanostructured Ti-6Al-7Nb alloy with equiaxed and lamellar initial microstructures processed by High-Pressure Torsion. IOP Conference Series: Materials Science and Engineering, 2017, 194, 012041.	0.6	4
20	Structural Refinement of Titanium-Aluminum-Niobium Alloy for Biomedical Applications. Journal of Renewable Materials, 2017, 5, 300-306.	2.2	4
21	Variation of Physical Properties of Rigid Polyurethane Foams Synthesized from Renewable Sources with Different Commercial Catalysts. Journal of Renewable Materials, 2017, 5, 280-289.	2.2	4
22	Bioactive and Antibacterial Plasma Sprayed Coatings on Polymer Substrates Suitable for Orthopedic and Tissue Engineering Applications. , 2017, , .		2
23	Hydroxyapatite Coatings on Polymers Using a Custom Low-Energy Plasma Spray System. IEEE Transactions on Plasma Science, 2018, 46, 2420-2424.	1.3	2
24	Nonirritant and Cytocompatible Tinospora cordifolia Nanoparticles for Topical Antioxidant Treatments. International Journal of Biomaterials, 2020, 2020, 1-9.	2.4	2
25	High-Pressure Torsion for Microstructure Control in Binary Al-Fe Alloys with Different States of Fe-Containing Phases. , 2012, , 1665-1670.		0
26	Simulación del procesamiento de una aleación de Ti-6Al-7Nb por la técnica de presión en canal angular constante usando el método de elementos finitos. Tecnología En Marcha, 2017, 30, 25.	0.1	0
27	Iron oxide for arsenic removal in water: synthesis and characterization. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C624-C624.	0.1	0