Jorge M Cubero-Sesin

List of Publications by Year
in descending order

27 papers	652 citations	687363 13 h-index	642732 23 g-index
31 all docs	31 docs citations	31 times ranked	578 citing authors

#	Article	IF	Citations
1	Synthesis of biocompatible high-entropy alloy TiNbZrTaHf by high-pressure torsion. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 825, 141869.	5.6	27
2	Phase transformations, vacancy formation and variations of optical and photocatalytic properties in TiO2-ZnO composites by high-pressure torsion. International Journal of Plasticity, 2020, 124, 170-185.	8.8	41
3	Synthesis of nanostructured biomaterials by high-pressure torsion: Effect of niobium content on microstructure and mechanical properties of Ti-Nb alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 795, 139972.	5.6	18
4	Increased Fibroblast Metabolic Activity of Collagen Scaffolds via the Addition of Propolis Nanoparticles. Materials, 2020, 13, 3118.	2.9	9
5	Nonirritant and Cytocompatible Tinospora cordifolia Nanoparticles for Topical Antioxidant Treatments. International Journal of Biomaterials, 2020, 2020, 1-9.	2.4	2
6	Synthesis of Nanostructured TiFe Hydrogen Storage Material by Mechanical Alloying via Highâ€Pressure Torsion. Advanced Engineering Materials, 2020, 22, 2000011.	3.5	13
7	FCC phase formation in immiscible Mgâ€“Hf (magnesiumâ€“hafnium) system by high-pressure torsion. AIP Advances, 2020, 10, .	1.3	11
8	Hydroxyapatite Coatings on Polymers Using a Custom Low-Energy Plasma Spray System. IEEE Transactions on Plasma Science, 2018, 46, 2420-2424.	1.3	2
9	Bioactive Plasma Sprayed Coatings on Polymer Substrates Suitable for Orthopedic Applications: A Study With PEEK. IEEE Transactions on Radiation and Plasma Medical Sciences, 2018, 2, 520-525.	3.7	5
10	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
11	Bioactive and Antibacterial Plasma Sprayed Coatings on Polymer Substrates Suitable for Orthopedic and Tissue Engineering Applications. , 2017, , .		2
12	Structural Refinement of Titanium-Aluminum-Niobium Alloy for Biomedical Applications. Journal of Renewable Materials, 2017, 5, 300-306.	2.2	4
13	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
14	SimulaciÃ³n del procesamiento de una aleaciÃ³n de Ti-6Al-7Nb por la tÃ©cnica de presiÃ³n en canal angular constante usando el mÃ©todo de elementos finitos. TecnologÃa En Marcha, 2017, 30, 25.	0.1	0
15	Iron oxide for arsenic removal in water: synthesis and characterization. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C624-C624.	0.1	0
16	High Strength and Electrical Conductivity of Alâ€Fe Alloys Produced by Synergistic Combination of Highâ€Pressure Torsion and Aging. Advanced Engineering Materials, 2015, 17, 1792-1803.	3.5	29
17	Age Hardening in Ultrafine-Grained Al-2ÂPctÂFe Alloy Processed by High-Pressure Torsion. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 2614-2624.	2.2	18
18	Influence of dislocationâ€“solute atom interactions and stacking fault energy on grain size of single-phase alloys after severe plastic deformation using high-pressure torsion. Acta Materialia, 2014, 69, 68-77.	7.9	173

#	Article	IF	Citations
19	Influence of severe plastic deformation at cryogenic temperature on grain refinement and softening of pure metals: Investigation using high-pressure torsion. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 613, 103-110.	5.6	95
20	High-pressure torsion for fabrication of high-strength and high-electrical conductivity Al micro-wires. Journal of Materials Science, 2014, 49, 6550-6557.	3.7	33
21	High strength and high electrical conductivity of UFG Al-2%Fe alloy achieved by high-pressure torsion and aging. IOP Conference Series: Materials Science and Engineering, 2014, 63, 012117.	0.6	4
22	Strengthening of Al through addition of Fe and by processing with high-pressure torsion. Journal of Materials Science, 2013, 48, 4713-4722.	3.7	27
23	Strengthening via Microstructure Refinement in Bulk Al–4 mass% Fe Alloy Using High-Pressure Torsion. Materials Transactions, 2012, 53, 46-55.	1.2	25
24	Powder consolidation of Alâ€“10 wt% Fe alloy by High-Pressure Torsion. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 558, 462-471.	5.6	58
25	Mechanical Properties and Microstructures of Al-Fe Alloys Processed by High-Pressure Torsion. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2012, 43, 5182-5192.	2.2	42
26	High-Pressure Torsion for Microstructure Control in Binary Al-Fe Alloys with Different States of Fe-Containing Phases. , 2012, , 1665-1670.		0
27	Aging and Precipitation Behavior in Supersaturated Al-2%Fe Alloy Produced by High-Pressure Torsion. Materials Science Forum, 0, 794-796, 766-771.	0.3	4