Jordina Fornell

List of Publications by Year
in descending order

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Version: 2024-02-01

26	427	759233 12	713466 21
papers	citations	h-index	g-index

26	26	26	722
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nanostructured Î²-phase Tiâ€“31.0Feâ€“9.0Sn and sub-Î¼m structured Tiâ€“39.3Nbâ€“13.3Zrâ€“10.7Ta alloys for biomedical applications: Microstructure benefits on the mechanical and corrosion performances. Materials Science and Engineering C, 2012, 32, 2418-2425.	7.3	90
2	Mapping of magnetic and mechanical properties of Fe-W alloys electrodeposited from Fe(III)-based glycolate-citrate bath. Materials and Design, 2018, 139, 429-438.	7.0	42
3	Novel Feâ€“Mnâ€“Siâ€“Pd alloys: insights into mechanical, magnetic, corrosion resistance and biocompatibility performances. Journal of Materials Chemistry B, 2016, 4, 6402-6412.	5.8	37
4	Novel Tiâ€“Zrâ€“Hfâ€“Fe Nanostructured Alloy for Biomedical Applications. Materials, 2013, 6, 4930-4945.	2.9	30
5	A CaCO₃/nanocellulose-based bioinspired nacre-like material. Journal of Materials Chemistry A, 2017, 5, 16128-16133.	10.3	30
6	Large Magnetoelectric Effects in Electrodeposited Nanoporous Microdisks Driven by Effective Surface Charging and Magneto-Ionics. ACS Applied Materials & Interfaces, 2018, 10, 44897-44905.	8.0	26
7	The Influence of Deformationâ€Induced Martensitic Transformations on the Mechanical Properties of Nanocomposite Cuâ€Znâ€(Al) Systems. Advanced Engineering Materials, 2011, 13, 57-63.	3.5	20
8	Mesoporous Oxide-Diluted Magnetic Semiconductors Prepared by Co Implantation in Nanocast 3D-Ordered In₂O_{3â€“y} Materials. Journal of Physical Chemistry C, 2013, 117, 17084-17091.	3.1	18
9	Tunable Magnetism in Nanoporous CuNi Alloys by Reversible Voltageâ€Driven Elementâ€Selective Redox Processes. Small, 2018, 14, e1704396.	10.0	16
10	Inducing surface nanoporosity on Fe-based metallic glass matrix composites by selective dealloying. Materials Characterization, 2019, 153, 46-51.	4.4	13
11	Work-hardening mechanisms of the Ti₆₀Cu₁₄Ni₁₂Sn₄Nb₁₀ nanocomposite alloy. Journal of Materials Research, 2009, 24, 3146-3153.	2.6	12
12	Ferromagnetic-like behaviour in bismuth ferrite films prepared by electrodeposition and subsequent heat treatment. RSC Advances, 2017, 7, 32133-32138.	3.6	12
13	Synthesis of Î±-Fe2O3 and Fe-Mn Oxide Foams with Highly Tunable Magnetic Properties by the Replication Method from Polyurethane Templates. Materials, 2018, 11, 280.	2.9	10
14	Spontaneous formation of spiral-like patterns with distinct periodic physical properties by confined electrodeposition of Co-In disks. Scientific Reports, 2016, 6, 30398.	3.3	9
15	Electrochemical Synthesis of Bismuth Particles: Tuning Particle Shape through Substrate Type within a Narrow Potential Window. Materials, 2017, 10, 43.	2.9	9
16	Electrodeposition of Nanocrystalline Fe-P Coatings: Influence of Bath Temperature and Glycine Concentration on Structure, Mechanical and Corrosion Behavior. Coatings, 2019, 9, 189.	2.6	9
17	Tailoring magnetic and mechanical properties of mesoporous single-phase Niâ€“Pt films by electrodeposition. Nanoscale, 2020, 12, 7749-7758.	5.6	9
18	ZnO Nanosheet-Coated TiZrPdSiNb Alloy as a Piezoelectric Hybrid Material for Self-Stimulating Orthopedic Implants. Biomedicines, 2021, 9, 352.	3.2	9

#	Article	IF	Citations
19	Structure, mechanical properties and nanocrystallization of (FeCoCrNi)-(B,Si) high-entropy metallic glasses. Intermetallics, 2022, 141, 107432.	3.9	7
20	Effect of heat treatments on the mechanical and tribological properties of electrodeposited Feâ€“W/Al2O3 composites. Wear, 2020, 448-449, 203232.	3.1	5
21	Inkjet-Printed Chemical Solution Y2O3 Layers for Planarization of Technical Substrates. Coatings, 2017, 7, 227.	2.6	4
22	Single step electrosynthesis of NiMnGa alloys. Electrochimica Acta, 2016, 204, 199-205.	5.2	3
23	Electroless Palladium-Coated Polymer Scaffolds for Electrical Stimulation of Osteoblast-Like Saos-2 Cells. International Journal of Molecular Sciences, 2021, 22, 528.	4.1	3
24	Biodegradable FeMnSi Sputter-Coated Macroporous Polypropylene Membranes for the Sustained Release of Drugs. Nanomaterials, 2017, 7, 155.	4.1	2
25	Epitaxial Versus Polycrystalline Shape Memory Cu-Al-Ni Thin Films. Coatings, 2019, 9, 308.	2.6	2
26	Progress Beyond the State-of-the-Art in the Field of Metallic Materials for Bioimplant Applications. , 2018, , 25-46.		0