

Eugen Axinte

List of Publications by Year in descending order

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23
papers

995
citations

623734

14
h-index

713466

21
g-index

23
all docs

23
docs citations

23
times ranked

1035
citing authors

#	ARTICLE	IF	CITATIONS
1	Metallic glasses from "alchemy" to pure science: Present and future of design, processing and applications of glassy metals. <i>Materials & Design</i> , 2012, 35, 518-556.	5.1	166
2	Glasses as engineering materials: A review. <i>Materials & Design</i> , 2011, 32, 1717-1732.	5.1	160
3	CoCrFeNi(W1 ^x Mox) high-entropy alloy coatings with excellent mechanical properties and corrosion resistance prepared by mechanical alloying and hot pressing sintering. <i>Materials and Design</i> , 2017, 117, 193-202.	7.0	153
4	High-entropy alloy coatings with excellent mechanical, corrosion resistance and magnetic properties prepared by mechanical alloying and hot pressing sintering. <i>Surfaces and Interfaces</i> , 2017, 9, 36-43.	3.0	85
5	A Review of Additive Mixed-Electric Discharge Machining: Current Status and Future Perspectives for Surface Modification of Biomedical Implants. <i>Advances in Materials Science and Engineering</i> , 2017, 1-23.	1.8	78
6	Giant magnetocaloric effect in Tm-based bulk metallic glasses. <i>Journal of Non-Crystalline Solids</i> , 2013, 359, 1-4.	3.1	44
7	A critical study of the emergence of glass and glassy metals as "green" materials. <i>Materials & Design</i> , 2013, 50, 713-723.	5.1	42
8	Effect of C and Ce addition on the microstructure and magnetic property of the mechanically alloyed FeSiBAlNi high entropy alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 414, 59-68.	2.3	42
9	Microstructure, mechanical properties and corrosion resistance of CuZrY/Al, Ti, Hf series high-entropy alloys. <i>Materials and Design</i> , 2016, 108, 106-113.	7.0	39
10	Correlation between glass transition temperature and melting temperature in metallic glasses. <i>Materials & Design</i> , 2014, 60, 576-579.	5.1	33
11	Characterization, adhesion strength and in-vitro cytotoxicity investigation of hydroxyapatite coating synthesized on Zr-based BMG by electro discharge process. <i>Surface and Coatings Technology</i> , 2019, 370, 213-226.	4.8	32
12	Evaluation of flow units and free volumes in metallic glasses. <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	30
13	Development and characterization of novel Ni-rich high-entropy alloys. <i>Journal of Alloys and Compounds</i> , 2020, 846, 156342.	5.5	18
14	Investigation of nanoporosities fabricated on metallic glass surface by hydroxyapatite mixed EDM for orthopedic application. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , 2017, 13, 523-528.	0.8	15
15	Formation of highly thermal stable Al ₈₈ Ni ₆ Y ₆ amorphous composite by graphene addition design. <i>Materials & Design</i> , 2015, 81, 59-64.	5.1	13
16	Hydroxyapatite Electro Discharge Coating of Zr-Based Bulk Metallic Glass for Potential Orthopedic Application. <i>Key Engineering Materials</i> , 0, 796, 123-128.	0.4	12
17	An overview on the conventional and nonconventional methods for manufacturing the metallic glasses. <i>MATEC Web of Conferences</i> , 2017, 112, 03003.	0.2	10
18	Crystallization and Corrosion Resistance in Different Aqueous Solutions of Zr _{50.7} Ni ₂₈ Cu ₉ Al _{12.3} Amorphous Alloy and Its Crystallization Counterparts. <i>Jom</i> , 2017, 69, 776-783.	1.9	6

#	ARTICLE	IF	CITATIONS
19	Effects of pre-compression on the microstructure, mechanical properties and corrosion resistance of Cu _{47.5} Zr _{47.5} Al ₅ bulk metallic glasses. <i>Journal of Non-Crystalline Solids</i> , 2018, 481, 383-390.	3.1	6
20	Synthesis and Characterization of Bioceramic Oxide Coating on Zr-Ti-Cu-Ni-Be BMG by Electro Discharge Process. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 518-531.	0.4	5
21	Tensile deformation mechanism of a bulk metallic glass matrix composite using in situ neutron diffraction. <i>Journal of Non-Crystalline Solids</i> , 2020, 546, 120267.	3.1	5
22	On the energetic balance for the flow of an Oldroyd-B fluid induced by a constantly accelerating plate. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2010, 61, 1085-1095.	1.4	1
23	An environmental friendly model for materials substitution in a fiberglass reinforced polyester composite. <i>MATEC Web of Conferences</i> , 2018, 178, 04013.	0.2	0