

Eugen Axinte

List of Publications by Year in descending order

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Version: 2024-02-01

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 | Development and characterization of novel Ni-rich high-entropy alloys. Journal of Alloys and Compounds, 2020, 846, 156342. | 5.5 | 18 |
| 2 | Tensile deformation mechanism of a bulk metallic glass matrix composite using in situ neutron diffraction. Journal of Non-Crystalline Solids, 2020, 546, 120267. | 3.1 | 5 |
| 3 | Synthesis and Characterization of Bioceramic Oxide Coating on Zr-Ti-Cu-Ni-Be BMG by Electro Discharge Process. Lecture Notes in Mechanical Engineering, 2019, , 518-531. | 0.4 | 5 |
| 4 | Characterization, adhesion strength and in-vitro cytotoxicity investigation of hydroxyapatite coating synthesized on Zr-based BMG by electro discharge process. Surface and Coatings Technology, 2019, 370, 213-226. | 4.8 | 32 |
| 5 | Effects of pre-compression on the microstructure, mechanical properties and corrosion resistance of Cu _{47.5} Zr _{47.5} Al ₅ bulk metallic glasses. Journal of Non-Crystalline Solids, 2018, 481, 383-390. | 3.1 | 6 |
| 6 | An environmental friendly model for materials substitution in a fiberglass reinforced polyester composite. MATEC Web of Conferences, 2018, 178, 04013. | 0.2 | 0 |
| 7 | 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. Jom, 2017, 69, 776-783. | 1.9 | 6 |
| 8 | CoCrFeNi(W _{1-x} Mox) high-entropy alloy coatings with excellent mechanical properties and corrosion resistance prepared by mechanical alloying and hot pressing sintering. Materials and Design, 2017, 117, 193-202. | 7.0 | 153 |
| 9 | An overview on the conventional and nonconventional methods for manufacturing the metallic glasses. MATEC Web of Conferences, 2017, 112, 03003. | 0.2 | 10 |
| 10 | High-entropy alloy coatings with excellent mechanical, corrosion resistance and magnetic properties prepared by mechanical alloying and hot pressing sintering. Surfaces and Interfaces, 2017, 9, 36-43. | 3.0 | 85 |
| 11 | A Review of Additive Mixed-Electric Discharge Machining: Current Status and Future Perspectives for Surface Modification of Biomedical Implants. Advances in Materials Science and Engineering, 2017, 1-23. | 1.8 | 78 |
| 12 | Investigation of nanoporosities fabricated on metallic glass surface by hydroxyapatite mixed EDM for orthopedic application. Malaysian Journal of Fundamental and Applied Sciences, 2017, 13, 523-528. | 0.8 | 15 |
| 13 | Microstructure, mechanical properties and corrosion resistance of CuZrY/Al, Ti, Hf series high-entropy alloys. Materials and Design, 2016, 108, 106-113. | 7.0 | 39 |
| 14 | Effect of C and Ce addition on the microstructure and magnetic property of the mechanically alloyed FeSiBAlNi high entropy alloys. Journal of Magnetism and Magnetic Materials, 2016, 414, 59-68. | 2.3 | 42 |
| 15 | Formation of highly thermal stable Al ₈₈ Ni ₆ Y ₆ amorphous composite by graphene addition design. Materials & Design, 2015, 81, 59-64. | 5.1 | 13 |
| 16 | Correlation between glass transition temperature and melting temperature in metallic glasses. Materials & Design, 2014, 60, 576-579. | 5.1 | 33 |
| 17 | Evaluation of flow units and free volumes in metallic glasses. Journal of Applied Physics, 2014, 116, . | 2.5 | 30 |
| 18 | Giant magnetocaloric effect in Tm-based bulk metallic glasses. Journal of Non-Crystalline Solids, 2013, 359, 1-4. | 3.1 | 44 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | A critical study of the emergence of glass and glassy metals as "green" materials. Materials & Design, 2013, 50, 713-723. | 5.1 | 42 |
| 20 | Metallic glasses from "alchemy" to pure science: Present and future of design, processing and applications of glassy metals. Materials & Design, 2012, 35, 518-556. | 5.1 | 166 |
| 21 | Glasses as engineering materials: A review. Materials & Design, 2011, 32, 1717-1732. | 5.1 | 160 |
| 22 | On the energetic balance for the flow of an Oldroyd-B fluid induced by a constantly accelerating plate. Zeitschrift Fur Angewandte Mathematik Und Physik, 2010, 61, 1085-1095. | 1.4 | 1 |
| 23 | Hydroxyapatite Electro Discharge Coating of Zr-Based Bulk Metallic Glass for Potential Orthopedic Application. Key Engineering Materials, 0, 796, 123-128. | 0.4 | 12 |