

Reza Gholamipour

List of Publications by Year in descending order

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52
papers

647
citations

471509

17
h-index

642732

23
g-index

52
all docs

52
docs citations

52
times ranked

454
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of nanoscale structural heterogeneity in metallic glasses: A machine learning study. Journal of Non-Crystalline Solids, 2022, 578, 121344.	3.1	13
2	Factors affecting strength of dissimilar TiAl/Niâ€“Siâ€“B/Ni-based superalloy brazed joint. Journal of Materials Science, 2022, 57, 5275-5287.	3.7	2
3	Glass transition kinetics and fragility of ZrCuAlNi(Nb) metallic glasses. Intermetallics, 2022, 145, 107532.	3.9	4
4	Discovery of novel quaternary bulk metallic glasses using a developed correlation-based neural network approach. Computational Materials Science, 2021, 186, 110025.	3.0	34
5	Effect of Silver Clusters Deposition on Wettability and Optical Properties of Diamond-like Carbon Films. International Journal of Engineering, Transactions B: Applications, 2021, 34, .	0.7	0
6	Tuning Glass Formation and Mechanical Properties of ZrCoAl(Nb) Bulk Metallic Glass with Nb Microalloying Process. Transactions of the Indian Institute of Metals, 2021, 74, 1603.	1.5	2
7	Effect of Nb minor addition on the crystallization kinetics of Zr-Cu-Al-Ni metallic glass. Journal of Non-Crystalline Solids, 2021, 560, 120731.	3.1	16
8	High-temperature compressive behavior and kinetics analysis of Al_{0.4}MnCrCoFeNi high entropy alloy. Materials Research Express, 2021, 8, 066505.	1.6	5
9	Silica-Free Zirconia-Based Primary Slurry for Titanium Investment Casting. International Journal of Metalcasting, 2020, 14, 92-97.	1.9	6
10	The Microstructural Characterization, Physical and Dynamic Magnetic Properties of (Ni ₄₉ Fe ₅₁) ₁₀₀ â”xCr _x (xâ€“=â€“0,3,7) Thin Sheets. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 323-330.	2.2	1
11	Inherent relation between atomic-level stresses and nanoscale heterogeneity in Zr-based bulk metallic glass under a rejuvenation process. Physica B: Condensed Matter, 2020, 595, 412390.	2.7	17
12	Microstructural Evaluation during dissimilar transient liquid phase bonding of TiAl/Ni-based superalloy. Journal of Alloys and Compounds, 2020, 825, 153999.	5.5	23
13	Correlation Between Plasticity and Atomic Structure Evolution of a Rejuvenated Bulk Metallic Glass. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2019, 50, 4743-4749.	2.2	25
14	Extra rejuvenation of Zr ₅₅ Cu ₃₀ Al ₁₀ Ni ₅ bulk metallic glass using elastostatic loading and cryothermal treatment interaction. Journal of Non-Crystalline Solids, 2019, 506, 39-45.	3.1	34
15	Effects of Nb minor addition on atomic structure and glass forming ability of Zr₅₅Cu₃₀Ni₅Al₁₀ bulk metallic glass. Materials Research Express, 2019, 6, 065202.	1.6	20
16	Role of tensile elastostatic loading on atomic structure and mechanical properties of Zr ₅₅ Cu ₃₀ Ni ₅ Al ₁₀ bulk metallic glass. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 753, 218-223.	5.6	37
17	Effect of Mischmetal Addition on Physical and Mechanical Properties of Alâ€“Niâ€“Zr Melt-Spun Ribbons. Transactions of the Indian Institute of Metals, 2019, 72, 993-999.	1.5	0
18	Effect of Al on the Structure and Magnetic Properties of Nanocrystalline FeSiBPCu Melt-Spun Ribbons. Transactions of the Indian Institute of Metals, 2018, 71, 35-39.	1.5	3

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19	Microstructure and mechanical properties of a Cu-Zr based bulk metallic glass containing atomic scale chemical heterogeneities. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 729, 433-438.	5.6	29
20	Crystallization kinetics of Cu ₄₇ Zr ₄₇ Al ₆ and (Cu ₄₇ Zr ₄₇ Al ₆) ₉₉ Sn ₁ bulk metallic glasses. <i>Journal of Non-Crystalline Solids</i> , 2018, 498, 272-280.	3.1	26
21	Effect of Nb Content on Mechanical Behavior and Structural Properties of W/(Zr ₅₅ Cu ₃₀ Al ₁₀ Ni ₅) ₁₀₀ â ^x Nb x Composite. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2017, 48, 2496-2503.	2.2	6
22	Ion beam energy dependence of surface and structural properties of amorphous carbon films deposited by IBSD method on Niâ€Cu alloy. <i>Journal of Materials Research</i> , 2017, 32, 1258-1266.	2.6	9
23	Microstructure and Interfacial Shear Strength in W/(Zr ₅₅ Cu ₃₀ Al ₁₀ Ni ₅) ₁₀₀ â ^x Nb x Composites. <i>Journal of Materials Engineering and Performance</i> , 2017, 26, 5571-5576.	2.5	2
24	Statistical weibull analysis of compressive fracture strength of (Zr ₅₅ Cu ₃₀ Al ₁₀ Ni ₅) ₉₉ Nb ₁ bulk metallic glass. <i>Journal of Alloys and Compounds</i> , 2017, 695, 2740-2744.	5.5	8
25	Giant size effect on compressive plasticity of (Zr 55 Cu 30 Al 10 Ni 5) 99 Nb 1 bulk metallic glass. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 651, 968-975.	5.6	18
26	Correlation study of structural, optical and electrical properties of amorphous carbon thin films prepared by ion beam sputtering deposition technique. <i>Applied Surface Science</i> , 2016, 360, 52-58.	6.1	28
27	Effect of melt infiltration parameters on microstructure and mechanical properties of tungsten wire reinforced (Cu ₅₀ Zr ₄₃ Al ₇) _{99.5} Si _{0.5} metallic glass matrix composite. <i>Transactions of Nonferrous Metals Society of China</i> , 2015, 25, 2624-2629.	4.2	4
28	Gas induced semi-solid process effects on microstructure and mechanical properties of 319 aluminum alloy. <i>International Journal of Materials Research</i> , 2015, 106, 1005-1009.	0.3	3
29	Planar Flow Casting of Fe ₇₁ Si _{13.5} B ₉ Nb ₃ Cu ₁ Al _{1.5} Ge ₁ Ribbons. <i>Journal of Materials Engineering and Performance</i> , 2013, 22, 2185-2190.	2.5	18
30	Tailoring hardness and toughness in WCâ€13%Coâ€x TiCâ€y TiN (x=5, 7.5â€y=5, 7.5) functional gradient hardmetals (FGHMs). <i>International Journal of Refractory Metals and Hard Materials</i> , 2013, 38, 92-101.	3.8	6
31	Glass forming ability and mechanical properties of Nb-containing Cuâ€Zrâ€Al based bulk metallic glasses. <i>Transactions of Nonferrous Metals Society of China</i> , 2013, 23, 2037-2041.	4.2	10
32	Study on microstructure and fracture behavior of tungsten wire reinforced Cu-based and Zr-based bulk metallic glass matrix composites. <i>Journal of Non-Crystalline Solids</i> , 2013, 365, 75-84.	3.1	11
33	Effect of vanadium substitution for zirconium on the glass forming ability and mechanical properties of a Zr ₆₅ Cu _{17.5} Ni ₁₀ Al _{7.5} bulk metallic glass. <i>Journal of Alloys and Compounds</i> , 2013, 546, 41-47.	5.5	21
34	Effects of infiltration parameters on mechanical and microstructural properties of tungsten wire reinforced Cu ₄₇ Ti ₃₃ Zr ₁₁ Ni ₆ Sn ₂ Si ₁ metallic glass matrix composites. <i>Transactions of Nonferrous Metals Society of China</i> , 2013, 23, 1314-1321.	4.2	5
35	Influence of Annealing Temperature on the Magnetic Properties of Rapidly Quenched (Nd,Pr) ₂ -(Fe,Co,Ga,Ti,C) ₁₄ B/â€Fe Nanocomposite Ribbons. <i>Advances in Materials Science and Engineering</i> , 2013, 2013, 1-5.	1.8	0
36	EFFECT OF NANOCRYSTALLIZATION ANNEALING ON MAGNETIC PROPERTIES AND MAGNETOIMPEDANCE OF CO-BASE RIBBONS. <i>International Journal of Modern Physics Conference Series</i> , 2012, 05, 841-846.	0.7	0

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37	Formation of bulk metallic glass in situ nanocomposite in (Cu ₅₀ Zr ₄₃ Al ₇) ₉₉ Si ₁ alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 553, 10-13.	5.6	10
38	Optimization of Pre-Rolling Homogenizing Heat Treatment for Cast Silicon Steel Ingots. <i>Arabian Journal for Science and Engineering</i> , 2012, 37, 1065-1076.	1.1	1
39	Sintering of WC-10%Co nano powders containing TaC and VC grain growth inhibitors. <i>Transactions of Nonferrous Metals Society of China</i> , 2011, 21, 1080-1084.	4.2	38
40	Fabrication and mechanical properties of a tungsten wire reinforced Cu-Zr-Al bulk metallic glass composite. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 3079-3084.	5.6	19
41	Effect of Si addition on glass-forming ability and mechanical properties of Cu-Zr-Al bulk metallic glass. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 7192-7196.	5.6	26
42	Effects of Ti and C additions on the nanostructure and magnetic properties of (Nd, Pr)-Fe-Co-Ga-B melt-spun nanocomposite ribbons. <i>Physica B: Condensed Matter</i> , 2010, 405, 3838-3841.	2.7	5
43	Effect of quenching wheel speed on the structure, magnetic properties and magnetoimpedance effect in Co ₆₄ Fe ₄ Ni ₂ B ₁₉ xSi ₈ Cr ₃ Al _x (x=0, 1 and 2) melt-spun ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 2680-2683.	2.3	11
44	Microstructural and mechanical characterization of high energy ball milled and sintered WC-10wt%Co-xTaC nano powders. <i>International Journal of Refractory Metals and Hard Materials</i> , 2009, 27, 801-805.	3.8	42
45	Corrosion behavior of Nd _{9.4} Pr _{0.6} Fe _{bal} .Co ₆ B ₆ Ga _{0.5} Ti _x C _x (x=0, 1.5, 3, 6) nanocomposites annealed melt-spun ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 3391-3395.	2.3	10
46	Effect of Ge addition on mechanical properties and fracture behavior of Cu-Zr-Al bulk metallic glass. <i>Journal of Alloys and Compounds</i> , 2009, 484, 708-711.	5.5	22
47	Effect of Al substitution for B on magnetic and structural properties of Co-based melt-spun ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, 2259-2261.	2.3	3
48	Cu effects on coercivity and microstructural features in nanocrystalline Nd-Fe-Co-B annealed melt-spun ribbons. <i>Physica B: Condensed Matter</i> , 2007, 398, 51-54.	2.7	10
49	A New Role of M1 Type Dopant for Nd-Rich Nd-Fe-Co-B Nanocrystalline Ribbons. <i>Journal of Iron and Steel Research International</i> , 2006, 13, 215-220.	2.8	0
50	Microstructure-magnetic properties relationships in nanocrystalline Nd-Fe-Co-Ge-B annealed ribbons. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006, 203, 287-293.	1.8	1
51	Magnetic and structural properties of rapidly quenched Nd-Fe-Co-Ge-B alloys. <i>Physics of Metals and Metallography</i> , 2006, 102, S24-S31.	1.0	0
52	Microstructural studies and micromagnetic analysis of nanocrystalline NdFeCoMB (M = Ga, Ge) melt-spun ribbon. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2006, 37, 1581-1587.	2.2	3