

Claudio Shyinti Kiminami

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1548196/publications.pdf>

Version: 2024-02-01

284
papers

4,632
citations

109321

35
h-index

214800

47
g-index

291
all docs

291
docs citations

291
times ranked

2906
citing authors

#	ARTICLE	IF	CITATIONS
1	Corrosion resistance of Fe-Cr-based amorphous alloys: An overview. <i>Journal of Non-Crystalline Solids</i> , 2016, 442, 56-66.	3.1	163
2	Microstructure and wear behavior of Fe-based amorphous HVOF coatings produced from commercial precursors. <i>Surface and Coatings Technology</i> , 2017, 309, 938-944.	4.8	92
3	Corrosion resistance of Fe-based amorphous alloys. <i>Journal of Alloys and Compounds</i> , 2014, 586, S105-S110.	5.5	90
4	Nanoscale Grain Refinement and H ₂ Sorption Properties of MgH ₂ Processed by High-Pressure Torsion and Other Mechanical Routes. <i>Advanced Engineering Materials</i> , 2010, 12, 786-792.	3.5	82
5	Influence of processing parameters on the fabrication of a Cu-Al-Ni-Mn shape-memory alloy by selective laser melting. <i>Additive Manufacturing</i> , 2016, 11, 23-31.	3.0	80
6	Topological instability as a criterion for design and selection of aluminum-based glass-former alloys. <i>Applied Physics Letters</i> , 2005, 86, 211904.	3.3	72
7	Microstructure evolution and mechanical properties of Al-Zn-Mg-Cu alloy reprocessed by spray-forming and heat treated at peak aged condition. <i>Journal of Alloys and Compounds</i> , 2013, 579, 169-173.	5.5	67
8	High Throughput Discovery and Design of Strong Multicomponent Metallic Solid Solutions. <i>Scientific Reports</i> , 2018, 8, 8600.	3.3	67
9	Mechanical activation of TiFe for hydrogen storage by cold rolling under inert atmosphere. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 2913-2918.	7.1	66
10	Correlation between hydrogen storage properties and textures induced in magnesium through ECAP and cold rolling. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 3810-3821.	7.1	63
11	Formation of Fe-based glassy matrix composite coatings by laser processing. <i>Surface and Coatings Technology</i> , 2014, 240, 336-343.	4.8	56
12	Nanostructured MgH ₂ prepared by cold rolling and cold forging. <i>Journal of Alloys and Compounds</i> , 2011, 509, S444-S448.	5.5	54
13	Corrosion properties of Fe-Cr-Nb-B amorphous alloys and coatings. <i>Surface and Coatings Technology</i> , 2014, 254, 238-243.	4.8	53
14	Consolidation of partially amorphous aluminium-alloy powders by severe plastic deformation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 375-377, 936-941.	5.6	50
15	Magnetic properties evaluation of spray formed and rolled Fe-6.5wt.% Si-1.0wt.% Al alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 449-451, 375-377.	5.6	48
16	Magnetic properties of spray-formed Fe-6.5%Si and Fe-6.5%Si-1.0%Al after rolling and heat treatment. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, e653-e656.	2.3	48
17	Partial crystallization and corrosion resistance of amorphous Fe-Cr-M-B (M=Mo, Nb) alloys. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 2651-2657.	3.1	44
18	Corrosion resistance of amorphous and polycrystalline FeCuNbSiB alloys in sulphuric acid solution. <i>Journal of Non-Crystalline Solids</i> , 1999, 247, 69-73.	3.1	43

#	ARTICLE	IF	CITATIONS
19	Sliding wear of spray-formed high-chromium white cast iron alloys. <i>Wear</i> , 2005, 259, 445-452.	3.1	42
20	Formation, stability and ultrahigh strength of novel nanostructured alloys by partial crystallization of high-entropy (Fe _{0.25} Co _{0.25} Ni _{0.25} Cr _{0.125} Mo _{0.125}) ₈₆ â€‘ ₈₉ B ₁₁ â€™ ₁₄ amorphous phase. <i>Acta Materialia</i> , 2019, 9, 170, 50-61.	7.9	42
21	Corrosion and wear properties of FeCrMnCoSi HVOF coatings. <i>Surface and Coatings Technology</i> , 2019, 357, 993-1003.	4.8	42
22	Effect of boron addition on the solidification sequence and microstructure of AlCoCrFeNi alloys. <i>Journal of Alloys and Compounds</i> , 2019, 775, 1235-1243.	5.5	42
23	Laser surface remelting of a Cu-Al-Ni-Mn shape memory alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 661, 61-67.	5.6	41
24	Mg-Zn-Ca amorphous alloys for application as temporary implant: Effect of Zn content on the mechanical and corrosion properties. <i>Materials and Design</i> , 2016, 110, 188-195.	7.0	41
25	Kinetics of crystal nucleation and growth in Pd _{77.5} Cu ₆ Si _{16.5} glass. <i>Acta Metallurgica</i> , 1986, 34, 2129-2137.	2.1	40
26	Microstructure and mechanical properties of spray deposited hypoeutectic Alâ€™Si alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 375-377, 577-580.	5.6	40
27	Hydrogen storage properties of pure Mg after the combined processes of ECAP and cold-rolling. <i>Journal of Alloys and Compounds</i> , 2014, 586, S405-S408.	5.5	40
28	Degradation of biodegradable implants: The influence of microstructure and composition of Mg-Zn-Ca alloys. <i>Journal of Alloys and Compounds</i> , 2019, 774, 168-181.	5.5	40
29	Crystallization and corrosion resistance of amorphous FeCuNbSiB. <i>Journal of Non-Crystalline Solids</i> , 1997, 219, 155-159.	3.1	39
30	Wear resistant coatings of boron-modified stainless steels deposited by Plasma Transferred Arc. <i>Surface and Coatings Technology</i> , 2016, 302, 255-264.	4.8	38
31	Glass forming ability of the Alâ€™Ceâ€™Ni system. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 4874-4877.	3.1	37
32	Topological instability and electronegativity effects on the glass-forming ability of metallic alloys. <i>Philosophical Magazine Letters</i> , 2008, 88, 785-791.	1.2	36
33	Phase Formation, Thermal Stability and Mechanical Properties of a Cu-Al-Ni-Mn Shape Memory Alloy Prepared by Selective Laser Melting. <i>Materials Research</i> , 2015, 18, 35-38.	1.3	36
34	Microstructural investigation of Fe Cr Nb B amorphous/nanocrystalline coating produced by HVOF. <i>Materials and Design</i> , 2016, 111, 608-615.	7.0	36
35	Corrosion properties of amorphous, partially, and fully crystallized Fe ₆₈ Cr ₈ Mo ₄ Nb ₄ B ₁₆ alloy. <i>Journal of Alloys and Compounds</i> , 2020, 826, 154123.	5.5	36
36	Phases formed during crystallization of amorphous Al ₈₄ Y ₉ Ni ₅ Co ₂ alloy. <i>Journal of Non-Crystalline Solids</i> , 2000, 273, 271-276.	3.1	35

#	ARTICLE	IF	CITATIONS
37	Amorphous phase formation in spray deposited AlYNiCo and AlYNiCoZr alloys. Scripta Materialia, 2001, 44, 1625-1628.	5.2	35
38	Reassessment of the effects of Ce on quasicrystal formation and microstructural evolution in rapidly solidified Al–Mn alloys. Acta Materialia, 2015, 98, 221-228.	7.9	35
39	Design of wear resistant boron-modified supermartensitic stainless steel by spray forming process. Materials and Design, 2015, 83, 214-223.	7.0	35
40	Crystallisation behaviours of Al-based metallic glasses: Compositional and topological aspects. Journal of Alloys and Compounds, 2009, 483, 89-93.	5.5	34
41	Spray forming of Cu–11.85Al–3.2Ni–3Mn (wt%) shape memory alloy. Journal of Alloys and Compounds, 2014, 615, S602-S606.	5.5	34
42	Crystallization behavior of amorphous Al ₈₄ Y ₉ Ni ₅ Co ₂ alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 304-306, 332-337.	5.6	33
43	Atomization and Selective Laser Melting of a Cu-Al-Ni-Mn Shape Memory Alloy. Materials Science Forum, 0, 802, 343-348.	0.3	33
44	Challenges in optimizing the resistance to corrosion and wear of amorphous Fe-Cr-Nb-B alloy containing crystalline phases. Journal of Non-Crystalline Solids, 2021, 555, 120537.	3.1	33
45	Room temperature hydrogen absorption by Mg and Al-Mg TiFe nanocomposites processed by high-energy ball milling. International Journal of Hydrogen Energy, 2018, 43, 12251-12259.	7.1	32
46	Influence of the corrosion on the saturation magnetic density of amorphous and nanocrystalline Fe ₇₃ Nb ₃ Si _{15.5} B _{7.5} Cu ₁ and Fe ₈₀ Zr _{3.5} Nb _{3.5} B ₁₂ Cu ₁ alloys. Journal of Non-Crystalline Solids, 2002, 304, 210-216.	3.1	31
47	Recent developments on fabrication of Al–matrix composites reinforced with quasicrystals: From metastable to conventional processing. Journal of Materials Research, 2021, 36, 281-297.	2.6	31
48	Amorphous phase formation during spray forming of Al ₈₄ Y ₃ Ni ₈ Co ₄ Zr ₁ alloy. Journal of Non-Crystalline Solids, 2001, 284, 134-138.	3.1	30
49	Topological Instability as a Criterion for Design and Selection of Easy Glass-Former Compositions in Cu-Zr Based Systems. Materials Transactions, 2007, 48, 1739-1742.	1.2	29
50	Thermodynamic analysis of the effect of annealing on the thermal stability of a Cu–Al–Ni–Mn shape memory alloy. Thermochimica Acta, 2015, 608, 1-6.	2.7	29
51	Evolution of the texture of spray-formed Fe–6.5wt.% Si–1.0wt.% Al alloy during warm-rolling. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 449-451, 854-857.	5.6	28
52	Microstructural characterization of a laser remelted coating of Al ₉₁ Fe ₄ Cr ₃ Ti ₂ quasicrystalline alloy. Scripta Materialia, 2009, 61, 709-712.	5.2	28
53	Production and Corrosion Resistance of Thermally Sprayed Fe-Based Amorphous Coatings from Mechanically Milled Feedstock Powders. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 4860-4870.	2.2	28
54	Microstructure and wear resistance of spray formed high chromium white cast iron. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 375-377, 589-594.	5.6	27

#	ARTICLE	IF	CITATIONS
55	Processing of Al matrix composites reinforced with Al-Ni compounds and Al ₂ O ₃ by reactive milling and reactive sintering. <i>Journal of Alloys and Compounds</i> , 2009, 471, 448-452.	5.5	27
56	Enhancement of Mechanical Properties of Aluminum and 2124 Aluminum Alloy by the Addition of Quasicrystalline Phases. <i>Materials Research</i> , 2016, 19, 74-79.	1.3	27
57	Phase transformation and shape memory effect of a Cu-Al-Ni-Mn-Nb high temperature shape memory alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 663, 64-68.	5.6	27
58	Structural, mechanical and thermal characterization of an Al-Co-Fe-Cr alloy for wear and thermal barrier coating applications. <i>Surface and Coatings Technology</i> , 2017, 319, 241-248.	4.8	27
59	Effect of cold rolling on the structure and hydrogen properties of AZ91 and AM60D magnesium alloys processed by ECAP. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 21822-21831.	7.1	27
60	Fabrication of Al-matrix composite reinforced with quasicrystals using conventional metallurgical fabrication methods. <i>Scripta Materialia</i> , 2019, 173, 21-25.	5.2	26
61	Phases formed during crystallization of Zr ₅₅ Al ₁₀ Ni ₅ Cu ₃₀ metallic glass containing oxygen. <i>Journal of Non-Crystalline Solids</i> , 2002, 304, 51-55.	3.1	25
62	Topological instability, average electronegativity difference and glass forming ability of amorphous alloys. <i>Intermetallics</i> , 2009, 17, 183-185.	3.9	25
63	Microstructure study of Al 7050 alloy reprocessed by spray forming and hot-extrusion and aged at 121°C. <i>Intermetallics</i> , 2013, 43, 182-187.	3.9	25
64	Severely deformed ZK60+2.5% Mg alloy for hydrogen storage produced by two different processing routes. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 11284-11292.	7.1	25
65	Hydrogen storage in MgH ₂ LaNi ₅ composites prepared by cold rolling under inert atmosphere. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 13348-13355.	7.1	25
66	Challenges in the Development of Aluminium-Based Bulk Amorphous Alloys. <i>Key Engineering Materials</i> , 2001, 189-191, 503-508.	0.4	24
67	Nanoquasicrystalline Al-Fe-Cr-Nb alloys produced by powder metallurgy. <i>Journal of Alloys and Compounds</i> , 2013, 577, 650-657.	5.5	24
68	Processing and characterization of amorphous magnesium based alloy for application in biomedical implants. <i>Journal of Materials Research and Technology</i> , 2014, 3, 203-209.	5.8	24
69	Wear and corrosion properties of HVOF coatings from Superduplex alloy modified with addition of boron. <i>Surface and Coatings Technology</i> , 2017, 309, 911-919.	4.8	24
70	The formation of quasicrystals in Al-Cu-Fe-(M=Cr,Ni) melt-spun ribbons. <i>Journal of Alloys and Compounds</i> , 2018, 731, 1288-1294.	5.5	24
71	Processing a biocompatible Ti-35Nb-7Zr-5Ta alloy by selective laser melting. <i>Journal of Materials Research</i> , 2020, 35, 1143-1153.	2.6	24
72	Single step fabrication by spray forming of large volume Al-based composites reinforced with quasicrystals. <i>Scripta Materialia</i> , 2020, 181, 86-91.	5.2	24

#	ARTICLE	IF	CITATIONS
73	Spray forming of glass former Fe ₆₃ Nb ₁₀ Al ₄ Si ₃ B ₂₀ alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 449-451, 884-889.	5.6	23
74	Severe plastic deformation of Mg-Fe powders to produce bulk hydrides. <i>Journal of Physics: Conference Series</i> , 2009, 144, 012015.	0.4	23
75	Hydrogen storage in heavily deformed ZK60 alloy modified with 2.5 wt.% Mn addition. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 4177-4184.	7.1	23
76	Application of mathematical simulation and the factorial design method to the optimization of the atomization stage in the spray forming of a Cu-6% Zn alloy. <i>Journal of Materials Processing Technology</i> , 2000, 102, 221-229.	6.3	22
77	Wear-resistant boride reinforced steel coatings produced by non-vacuum electron beam cladding. <i>Surface and Coatings Technology</i> , 2020, 386, 125466.	4.8	22
78	Characterization of hydrogen storage properties of Mg-Fe-CNT composites prepared by ball milling, hot-extrusion and severe plastic deformation methods. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 23092-23098.	7.1	21
79	Amorphous phase formation in Fe-6.0wt%Si alloy by mechanical alloying. <i>Scripta Materialia</i> , 1999, 42, 213-217.	5.2	20
80	Influence of composition and partial crystallization on corrosion resistance of amorphous Fe-M-B-Cu (M=Zr, Nb, Mo) alloys. <i>Journal of Non-Crystalline Solids</i> , 2001, 284, 99-104.	3.1	20
81	Wear and Corrosion Performance of Al-Cu-Fe-(Cr) Quasicrystalline Coatings Produced by HVOF. <i>Journal of Thermal Spray Technology</i> , 2020, 29, 1195-1207.	3.1	20
82	Microstructure and mechanical properties of spray deposited and extruded/heat treated hypoeutectic Al-Si alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 449-451, 850-853.	5.6	19
83	Laser remelting of Al ₉₁ Fe ₄ Cr ₃ Ti ₂ quasicrystalline phase former alloy. <i>Journal of Alloys and Compounds</i> , 2010, 495, 646-649.	5.5	19
84	Microstructural characterization and hydrogenation study of extruded MgFe alloy. <i>Journal of Alloys and Compounds</i> , 2010, 504, S299-S301.	5.5	19
85	2Mg-Fe alloys processed by hot-extrusion: Influence of processing temperature and the presence of MgO and MgH ₂ on hydrogenation sorption properties. <i>Journal of Alloys and Compounds</i> , 2011, 509, S460-S463.	5.5	19
86	Ordered phases and texture in spray-formed Fe-5wt%Si. <i>Journal of Alloys and Compounds</i> , 2011, 509, S260-S264.	5.5	19
87	Predicting the Formation of Intermetallic Phases in the Al-Si-Fe System with Mn Additions. <i>Journal of Phase Equilibria and Diffusion</i> , 2017, 38, 298-304.	1.4	19
88	Improved ball milling method for the synthesis of nanocrystalline TiFe compound ready to absorb hydrogen. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 2084-2093.	7.1	19
89	Design of a FeMnAlC steel with TWIP effect and evaluation of its tensile and fatigue properties. <i>Journal of Alloys and Compounds</i> , 2020, 831, 154806.	5.5	19
90	An amorphous core transformer: design and experimental performance. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1997, 226-228, 1079-1082.	5.6	18

#	ARTICLE	IF	CITATIONS
91	Out-of-Plane Magnetic Patterning Based on Indentation-Induced Nanocrystallization of a Metallic Glass. <i>Small</i> , 2010, 6, 1543-1549.	10.0	18
92	Microstructure and mechanical properties of Al-Si-Mg ribbons. <i>Journal of Alloys and Compounds</i> , 2010, 495, 386-390.	5.5	18
93	Improving the glass-forming ability and plasticity of a TiCu-based bulk metallic glass composite by minor additions of Si. <i>Journal of Alloys and Compounds</i> , 2016, 663, 531-539.	5.5	18
94	Characterization and Corrosion Resistance of Boron-Containing-Austenitic Stainless Steels Produced by Rapid Solidification Techniques. <i>Materials</i> , 2018, 11, 2189.	2.9	18
95	Changing the solidification sequence and the morphology of iron-containing intermetallic phases in AA6061 aluminum alloy processed by spray forming. <i>Materials Characterization</i> , 2018, 145, 507-515.	4.4	18
96	Phase transformation in Nb-16 at.% Si processed by high-energy ball milling. <i>Journal of Non-Crystalline Solids</i> , 1997, 219, 170-175.	3.1	17
97	Growth and microstructural characterization of SnSe-SnSe ₂ composite. <i>Journal of Materials Science</i> , 1999, 34, 4607-4612.	3.7	17
98	Primary crystallization in amorphous Al ₈₄ Ni ₈ Co ₄ Y ₃ Zr ₁ alloy. <i>Journal of Non-Crystalline Solids</i> , 2002, 304, 36-43.	3.1	17
99	Crystallisation behaviour and glass-forming ability in Al-La-Ni system. <i>Journal of Alloys and Compounds</i> , 2010, 495, 334-337.	5.5	17
100	Design and in-situ characterization of a strong and ductile co-rich multicomponent alloy with transformation induced plasticity. <i>Scripta Materialia</i> , 2019, 173, 70-74.	5.2	17
101	Formation and stability of complex metallic phases including quasicrystals explored through combinatorial methods. <i>Scientific Reports</i> , 2019, 9, 7136.	3.3	17
102	Design and production of Al-Mn-Ce alloys with tailored properties. <i>Materials and Design</i> , 2016, 110, 436-448.	7.0	16
103	Effect of Cr addition on the formation of the decagonal quasicrystalline phase of a rapidly solidified Al-Ni-Co alloy. <i>Journal of Alloys and Compounds</i> , 2017, 707, 41-45.	5.5	16
104	Processing of MgH ₂ by extensive cold rolling under protective atmosphere. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 2201-2208.	7.1	16
105	Tailoring the microstructure of recycled 319 aluminum alloy aiming at high ductility. <i>Journal of Materials Research and Technology</i> , 2019, 8, 3539-3549.	5.8	16
106	Undercoolability of copper bulk samples. <i>Journal of Materials Science Letters</i> , 1989, 8, 1416-1417.	0.5	15
107	Microstructure of under-cooled Sn-Bi and Al-Si alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 375-377, 473-478.	5.6	15
108	Microstructure and Magnetic Properties of Fe-6.5wt%Si Alloy Obtained by Spray Forming Process. <i>Materials Science Forum</i> , 2005, 498-499, 111-118.	0.3	15

#	ARTICLE	IF	CITATIONS
109	Hydrogen Activation Behavior of Commercial Magnesium Processed by Different Severe Plastic Deformation Routes. <i>Materials Science Forum</i> , 2010, 667-669, 1047-1051.	0.3	15
110	Microstructural characterization of Ti-6Al-7Nb alloy after severe plastic deformation. <i>Materials Research</i> , 2012, 15, 786-791.	1.3	15
111	Assessing technological developments in amorphous/glassy metallic alloys using patent indicators. <i>Journal of Alloys and Compounds</i> , 2017, 716, 330-335.	5.5	15
112	Effect of iron on the microstructure and mechanical properties of the spray-formed and rotary-swaged 319 aluminum alloy. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 102, 3879-3894.	3.0	15
113	Designing new quasicrystalline compositions in Al-based alloys. <i>Journal of Alloys and Compounds</i> , 2020, 823, 153765.	5.5	15
114	Formation, thermal stability and mechanical properties of high-entropy (Fe _{0.25} Co _{0.25} Ni _{0.25} Cr _{0.125} Mo _{0.0625} Nb _{0.0625}) _{100-x} B _x (x= 7-14) amorphous alloys. <i>Journal of Alloys and Compounds</i> , 2020, 825, 153858.	5.5	15
115	Microstructure and wear resistance of spray-formed supermartensitic stainless steel. <i>Materials Research</i> , 2013, 16, 642-646.	1.3	15
116	Consolidation of Partially Amorphous Al-Fe-Zr Alloys. <i>Materials Science Forum</i> , 2002, 386-388, 33-38.	0.3	14
117	Electromechanical shaping, assembly and engraving of bulk metallic glasses. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 375-377, 227-234.	5.6	14
118	Spray forming of the glass former Fe ₈₃ Zr _{3.5} Nb _{3.5} B ₉ Cu ₁ alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 375-377, 571-576.	5.6	14
119	Microstructure and metastable phase formation in a rapidly solidified Ni-Si eutectic alloy using a melt-spinning technique. <i>Journal of Alloys and Compounds</i> , 2004, 381, 72-76.	5.5	14
120	The role of yttrium and oxygen on the crystallization behavior of a Cu-Zr-Al metallic glass. <i>Journal of Non-Crystalline Solids</i> , 2014, 406, 79-87.	3.1	14
121	Hydrogen storage properties of 2Mg-Fe after the combined processes of hot extrusion and cold rolling. <i>Journal of Alloys and Compounds</i> , 2014, 586, S409-S412.	5.5	14
122	Insight into the complex ternary phase behavior in Al-Mn-Ce alloys. <i>Journal of Alloys and Compounds</i> , 2017, 727, 460-468.	5.5	14
123	Wear Resistant Duplex Stainless Steels Produced by Spray Forming. <i>Metals and Materials International</i> , 2019, 25, 456-464.	3.4	14
124	Corrosion resistant and tough multi-principal element Cr-Co-Ni alloys. <i>Journal of Alloys and Compounds</i> , 2021, 884, 161107.	5.5	14
125	Microstructure of undercooled Pb-Sn alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001, 304-306, 255-261.	5.6	13
126	Mechanical behavior under nanoindentation of a new Ni-based glassy alloy produced by melt-spinning and copper mold casting. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 2251-2257.	3.1	13

#	ARTICLE	IF	CITATIONS
127	Amorphous phase formation by spray forming of alloys [(Fe0.6Co0.4)0.75B0.2Si0.05]96Nb4 and Fe66B30Nb4 modified with Ti. Journal of Alloys and Compounds, 2011, 509, S148-S154.	5.5	13
128	Microstructure formation and abrasive wear resistance of a boron-modified superduplex stainless steel produced by spray forming. Journal of Materials Research, 2016, 31, 2987-2993.	2.6	13
129	In-situ crystallization of amorphous Fe73xNbxAl4Si3B20 alloys through synchrotron radiation. Journal of Non-Crystalline Solids, 2006, 352, 3404-3409.	3.1	12
130	Selection of good glass former compositions in Ni-Ti system using a combination of topological instability and thermodynamic criteria. Journal of Non-Crystalline Solids, 2008, 354, 1932-1935.	3.1	12
131	Electrochemical Corrosion Behavior of Spray-Formed Boron-Modified Supermartensitic Stainless Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 2077-2089.	2.2	12
132	Wear Resistance of Boron-Modified Supermartensitic Stainless Steel Coatings Produced by High-Velocity Oxygen Fuel Process. Journal of Thermal Spray Technology, 2019, 28, 2003-2014.	3.1	12
133	Ultrafine eutectic coatings from Fe-Nb-B powder using laser cladding. Materials Characterization, 2020, 160, 110080.	4.4	12
134	Characterization, corrosion resistance and hardness of rapidly solidified Ni-Nb alloys. Journal of Alloys and Compounds, 2020, 829, 154529.	5.5	12
135	Effect of oxide particles on the crystallisation behaviour of Zr55Al10Ni5Cu30 alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 304-306, 665-669.	5.6	11
136	Microstructure and mechanical properties of spray co-deposited Al-8.9wt.% Si-3.2wt.% Cu-0.9wt.% Fe-(Al-3wt.% Mn-4wt.% Si)p composite. Journal of Alloys and Compounds, 2007, 434-435, 371-374.	5.5	11
137	Thermodynamic and topological instability approaches for forecasting glass-forming ability in the ternary Al-Ni-Y system. Journal of Alloys and Compounds, 2008, 464, 118-121.	5.5	11
138	Prediction of good glass formers in the Al-Ni-La and Al-Ni-Gd systems using topological instability and electronegativity. Journal of Applied Physics, 2011, 109, .	2.5	11
139	An assessment of microstructure and properties of laser clad coatings of ultrafine eutectic Ti-Fe-Nb-Sn composite for implants. Surface and Coatings Technology, 2017, 328, 161-171.	4.8	11
140	On the valence electron theory to estimate the transformation temperatures of Cu-Al-based shape memory alloys. Journal of Materials Research, 2017, 32, 3165-3174.	2.6	11
141	Comparison of Cu-Al-Ni-Mn-Zr shape memory alloy prepared by selective laser melting and conventional powder metallurgy. Transactions of Nonferrous Metals Society of China, 2020, 30, 3322-3332.	4.2	11
142	Reactive Milling and Sintering of Nb-16at.% Si Mixtures. Materials Science Forum, 1997, 235-238, 151-156.	0.3	10
143	Directional and rapid solidification of Al-Nb-Ni ternary eutectic alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 375-377, 565-570.	5.6	10
144	Rapidly solidified Al92Fe3Cr2Mn3 alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 449-451, 1057-1061.	5.6	10

#	ARTICLE	IF	CITATIONS
145	Evaluation of glass forming ability in the Niâ€“Nbâ€“Zr alloy system by the topological instability (λ) criterion. <i>Journal of Alloys and Compounds</i> , 2010, 495, 313-315.	5.5	10
146	Glass formation of alloys selected by lambda and electronegativity criteria in the Tiâ€“Zrâ€“Feâ€“Co system. <i>Journal of Alloys and Compounds</i> , 2010, 495, 316-318.	5.5	10
147	Effect of dislocations and residual stresses on the martensitic transformation of Cu-Al-Ni-Mn shape memory alloy powders. <i>Journal of Alloys and Compounds</i> , 2017, 723, 841-849.	5.5	10
148	Oligocrystalline microstructure in an additively manufactured biocompatible Ti-Nb-Zr-Ta alloy. <i>Materials Letters</i> , 2020, 262, 127149.	2.6	10
149	Effects of pressure on the solidification of Alâ€“Mn alloy. <i>Journal of Materials Research</i> , 2001, 16, 910-913.	2.6	9
150	Hot Extrusion of Nanostructured Al-Powder Alloys: Grain Growth Control and the Effect of Process Parameters on Their Microstructure and Mechanical Properties. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2009, 40, 3314-3321.	2.2	9
151	Processing of glass former alloys by spray forming. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2010, 41, 513-523.	0.9	9
152	Topological instability and glass forming ability of Alâ€“Niâ€“Sm alloys. <i>Journal of Alloys and Compounds</i> , 2011, 509, S141-S144.	5.5	9
153	Hydrogen storage properties of 2Mgâ€“Fe mixtures processed by hot extrusion: Influence of the extrusion ratio. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 15196-15203.	7.1	9
154	Ultrafine-Grained Ti-13Nb-13Zr Alloy Produced by Severe Plastic Deformation. <i>Materials Research</i> , 2017, 20, 404-410.	1.3	9
155	Metallic Glass Formation Upon Rapid Solidification of Fe ₆₀ Cr ₈ Nb ₈ B ₂₄ (at%) Alloy through LASER Cladding and Remelting. <i>Materials Research</i> , 2017, 20, 580-587.	1.3	9
156	Resistance upset welding of Zr-based bulk metallic glasses. <i>Journal of Materials Processing Technology</i> , 2018, 255, 760-764.	6.3	9
157	The Influence of Sintering Parameters in the Microstructure and Mechanical Properties of a Cuâ€“Alâ€“Niâ€“Mnâ€“Zr Shape Memory Alloy. <i>Advanced Engineering Materials</i> , 2018, 20, 1800372.	3.5	9
158	Microstructure and mechanical behavior of Al ₉₂ Fe ₃ Cr ₂ X ₃ (X = Ce, Mn, Ti, and V) alloys processed by centrifugal force casting. <i>Journal of Materials Research and Technology</i> , 2019, 8, 2092-2097.	5.8	9
159	Functionally graded aluminum reinforced with quasicrystal approximant phases â€“ Improving the wear resistance at high temperatures. <i>Wear</i> , 2020, 462-463, 203507.	3.1	9
160	New compositions of Feâ€“Coâ€“Nbâ€“Bâ€“Y BMG with wide supercooled liquid range, over 100 K. <i>Journal of Materials Research and Technology</i> , 2020, 9, 9174-9181.	5.8	9
161	Hallâ€“Petch and grain growth kinetics of the low stacking fault energy TRIP Cr ₄₀ Co ₄₀ Ni ₂₀ multi-principal element alloy. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	9
162	Strong and ductile recycled Al-7Si-3Cu-1Fe alloy: Controlling the morphology of quasicrystal approximant λ -phase by Mn and V addition. <i>Journal of Alloys and Compounds</i> , 2021, 888, 161508.	5.5	9

#	ARTICLE	IF	CITATIONS
163	Single phase 1-kVA amorphous core transformer: design, experimental tests, and performance after annealing. IEEE Transactions on Magnetics, 1999, 35, 2152-2154.	2.1	8
164	Nanostructured Al ₈₉ Fe ₁₀ Zr ₁ Alloy Obtained by Mechanical Alloying. Journal of Metastable and Nanocrystalline Materials, 2004, 20-21, 183-188.	0.1	8
165	Rapid solidification of an Al-5Ni alloy processed by spray forming. Materials Research, 2012, 15, 779-785.	1.3	8
166	Microstructural evolution of Ti-6Al-7Nb alloy during high pressure torsion. Materials Research, 2012, 15, 792-795.	1.3	8
167	Thermodynamic Calculations for the Investigation of Phase Formation in Boron-Modified Ferritic Stainless Steel. Journal of Phase Equilibria and Diffusion, 2017, 38, 343-349.	1.4	8
168	Synthesis of δ -Ti-Nb alloys from elemental powders by high-energy ball milling and their hydrogenation features. International Journal of Hydrogen Energy, 2018, 43, 18382-18391.	7.1	8
169	Outstanding Tensile Ductility in High Iron-Containing Al-Si-Cu Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 2703-2710.	2.2	8
170	Design, phase equilibria, and coarsening kinetics of a new δ -Ti-Nb alloy. Journal of Phase Equilibria and Diffusion, 2017, 38, 343-349.	5.5	8
171	Corrosion resistance of pseudo-high entropy Fe-containing amorphous alloys in chloride-rich media. Journal of Alloys and Compounds, 2021, 884, 161090.	5.5	8
172	Microstructure and properties of TiB ₂ -reinforced Ti-35Nb-7Zr-5Ta processed by laser-powder bed fusion. Journal of Materials Research, 2022, 37, 259-271.	2.6	8
173	Influence of heterogeneous nuclei on the solidification of Pd _{77.5} Cu ₆ Si _{16.5} glassy alloy. Materials Science and Engineering, 1988, 97, 195-198.	0.1	7
174	Solidification of a supercooled Pd _{77.5} Cu ₆ Si _{16.5} bulk sample. Journal of Materials Science Letters, 1989, 8, 201-203.	0.5	7
175	Magnetic Properties of Spray Formed Fe-6.wt%Si Alloy. Key Engineering Materials, 2001, 189-191, 643-648.	0.4	7
176	Electromechanical engraving and writing on bulk metallic glasses. Applied Physics Letters, 2002, 81, 1606-1608.	3.3	7
177	Microstructure of undercooled SnSe-SnSe ₂ hypoeutectic alloy. Journal of Alloys and Compounds, 2004, 375, 142-146.	5.5	7
178	Correlation between heat- and deformation-induced crystallization of amorphous Al alloys. Philosophical Magazine Letters, 2008, 88, 863-870.	1.2	7
179	2Mg-Fe and 2Mg-Fe+5%C mixtures processed by hot extrusion: Influence of carbon on hydrogen sorption properties. Journal of Alloys and Compounds, 2011, 509, S464-S467.	5.5	7
180	Microstructural characterization of high-silicon iron alloys produced by spray forming and co-injection of Si particles. Journal of Alloys and Compounds, 2011, 509, S254-S259.	5.5	7

#	ARTICLE	IF	CITATIONS
181	Characterization of Glass Forming Alloy Fe _{43.2} Co _{28.8} B _{19.2} Si _{4.8} Nb ₄ Processed by Spray Forming and Wedge Mold Casting Techniques. Materials Science Forum, 2011, 691, 23-26.	0.3	7
182	Comparative study of nanoindentation on melt-spun ribbon and bulk metallic glass with Ni60Nb37B3 composition. Journal of Materials Research, 2013, 28, 2740-2746.	2.6	7
183	Hydrogen storage properties of 2Mg-Fe mixtures processed by hot extrusion at different temperatures. International Journal of Hydrogen Energy, 2017, 42, 11493-11500.	7.1	7
184	Processability of recycled quasicrystalline Al-Fe-Cr-Ti composites by selective laser melting - A statistical approach. Materialia, 2022, 22, 101377.	2.7	7
185	The Liquid Dynamic Compaction of a Zn-Al-Cu Alloy. Materials Science Forum, 1998, 299-300, 398-406.	0.3	6
186	Predicting glass-forming compositions in the Al-La and Al-La-Ni systems. Journal of Alloys and Compounds, 2011, 509, S170-S174.	5.5	6
187	Comparative study between two die cast methods for processing Cu-Zr-Al bulk metallic glasses. Journal of Materials Research and Technology, 2013, 2, 125-129.	5.8	6
188	Microstructure and Wear Behavior of High-Carbon Concentration CrCoNi Multi-principal Element Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 3034-3050.	2.2	6
189	An Overview of Thermally Sprayed Fe-Cr-Nb-B Metallic Glass Coatings: From the Alloy Development to the Coating's Performance Against Corrosion and Wear. Journal of Thermal Spray Technology, 2022, 31, 923-955.	3.1	6
190	Microstructure of Spray Formed 2.9%C-22%Cr High Chromium White Cast Iron. Materials Science Forum, 2003, 416-418, 419-424.	0.3	5
191	In-Situ Observation of the Dissolution of Quasicrystalline Particles in an Aluminum Alloy during Annealing. Journal of Metastable and Nanocrystalline Materials, 2004, 20-21, 382-387.	0.1	5
192	Effect of Dislocation Mechanisms during Extrusion of Nanostructured Aluminum Powder Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2009, 40, 3322-3330.	2.2	5
193	Formation and microstructure of Ni _{62-x} Nb _{38Ti_x} (x = 3, 6, 10 at.%) bulk metallic glasses. International Journal of Materials Research, 2012, 103, 1096-1101.	0.3	5
194	Corrosion resistance and glass forming ability of Fe ₄₇ Co ₇ Cr ₁₅ Mn ₉ Si ₅ B ₁₅ Y ₂ (M=Mo, Nb) amorphous alloys. Materials Research, 2013, 16, 1294-1298.	1.3	5
195	Assessment of phase constitution on the Al-rich region of rapidly solidified Al-Co-Fe-Cr alloys. Materials Characterization, 2016, 122, 76-82.	4.4	5
196	Consolidation of Fe-Based Metallic Glass Powders by Hot Pressing. Materials Research, 2019, 22, .	1.3	5
197	Microstructure, phase formation and properties of rapid solidified Al-Fe-Cr-Ti alloys. Materials Science and Technology, 2020, 36, 1205-1214.	1.6	5
198	Phase equilibria of VCrMnFeCo high entropy alloys. Journal of Alloys and Compounds, 2022, 903, 163950.	5.5	5

#	ARTICLE	IF	CITATIONS
199	Milling and Hot Consolidation of Al-Fe-Nb Alloy. Materials Science Forum, 2003, 416-418, 287-292.	0.3	4
200	Gas Atomization of Nanocrystalline Fe ₆₃ Nb ₁₀ Al ₄ Si ₃ B ₂₀ Alloy. Journal of Metastable and Nanocrystalline Materials, 2004, 20-21, 175-182.	0.1	4
201	Microstructural characterization of spray formed Fe ₆₆ B ₃₀ Nb ₄ alloy. Journal of Alloys and Compounds, 2010, 495, 417-419.	5.5	4
202	Crystallization Behavior of Amorphous Ti _{51.1} Cu _{38.9} Ni _{10.0} Alloy. Materials Research, 2015, 18, 104-108.	1.3	4
203	The effect of oxygen on the microstructural evolution in crystallized Cu-Zr-Al metallic glasses. Intermetallics, 2015, 65, 51-55.	3.9	4
204	The Effect of Cr Content on the Glass Forming Ability of Fe _{68-x} Cr _x Nb ₈ B ₂₄ (x =8,10,12) Alloys. Materials Research, 2016, 19, 92-96.	1.3	4
205	Experimental and thermodynamic investigation of the microstructural evolution of a boron-rich Fe-Cr-Nb-B alloy. Journal of Alloys and Compounds, 2017, 713, 119-124.	5.5	4
206	Influence of thermomechanical post-treatment on the corrosion behavior of Ni ₅₇ Nb ₃₃ Zr ₅ Co ₅ bulk metallic glass. Materials Letters, 2021, 288, 129350.	2.6	4
207	Mechanical properties and yield strength modeling of a medium entropy alloy containing L12 precipitates. Journal of Alloys and Compounds, 2022, 898, 162923.	5.5	4
208	Temperature gradient at the solid-liquid interface in rapid directional solidification. Journal of Materials Science Letters, 1986, 5, 241-243.	0.5	3
209	Heterogeneous Nucleation Behavior in Undercooled Sn-Bi Alloys. Journal of Materials Science Letters, 1999, 18, 487-488.	0.5	3
210	Microstructural Characterization and Grain Growth Kinetics of Atomized Fe-6%Si Alloy. Key Engineering Materials, 2001, 189-191, 461-466.	0.4	3
211	The ϵ -Cube Phase Found in Zr-Cu-Al-Ni Easy Glass Forming Alloys. Materials Science Forum, 2002, 403, 101-106.	0.3	3
212	Influence of the Process Parameters in the Microstructural Evolution of Fe-6.5% Si Alloy Processed Via Spray Forming. Materials Science Forum, 2003, 416-418, 431-436.	0.3	3
213	Microstructure of Spray Formed Fe ₈₃ Nb ₄ ZrTiB ₉ Cu ₂ Alloy. Materials Science Forum, 2003, 416-418, 388-394.	0.3	3
214	Consolidation of Mechanically Alloyed Aluminium Matrix Composite Powders by Severe Plastic Deformation. Journal of Metastable and Nanocrystalline Materials, 2003, 15-16, 307-312.	0.1	3
215	Microstructures of Rapidly Solidified Al ₉ Si ₃ Cu Alloy. Journal of Metastable and Nanocrystalline Materials, 2003, 15-16, 421-426.	0.1	3
216	Order/Disorder Transformations in Spray Formed FeSiAl Alloys. Journal of Metastable and Nanocrystalline Materials, 2004, 20-21, 553-556.	0.1	3

#	ARTICLE	IF	CITATIONS
217	Hydrogen Sorption Properties of the Complex Hydride Mg ₂ FeH ₆ Consolidated by HPT. Materials Science Forum, 2010, 667-669, 1053-1058.	0.3	3
218	Overspray Powder Characterization of Fe-Based Glassy Alloy. Materials Science Forum, 0, 727-728, 468-475.	0.3	3
219	Laser Cladding of Fe-based Metallic Glass/MoS ₂ Self-lubricating Composites: Effect of Power and Scanning Speed. Materials Research, 2017, 20, 836-841.	1.3	3
220	Influence of Al Additions on the Microstructure and Mechanical Properties of a C and Si-Free High-Mn Steel. Metals, 2020, 10, 352.	2.3	3
221	Additive manufacturing of a quasicrystal-forming Al ₉₅ Fe ₂ Cr ₂ Ti ₁ alloy with remarkable high-temperature strength and ductility. Additive Manufacturing, 2021, 41, 101960.	3.0	3
222	A wear-resistant Al ₈₅ Cu ₆ Fe ₃ Cr ₆ spray-formed quasicrystalline composite. Materialia, 2022, 21, 101367.	2.7	3
223	Microstructural Characterization of Spray Deposited Al-Y-Ni-Co-Zr Alloy and Al-Y-Ni-Co-Zr + SiC _p /Metal Matrix Composite. Materials Science Forum, 2002, 403, 95-100.	0.3	2
224	Phase Evolution and Microstructural Characterisation of High-Energy Ball Milled Al-Si-Fe-Ni Alloys. Materials Science Forum, 2002, 386-388, 59-64.	0.3	2
225	Glass Formation of Containerless Levitated Zr ₅₅ Al ₁₀ Ni ₅ Cu ₃₀ Alloy Containing Oxygen. Materials Science Forum, 2002, 386-388, 53-58.	0.3	2
226	Microstructural Characterization of Spray Formed Ni-Al-Cr-C Alloys. Materials Science Forum, 2003, 416-418, 437-443.	0.3	2
227	Electromechanical Processing of Bulk Metallic Glasses. Journal of Metastable and Nanocrystalline Materials, 2003, 15-16, 11-16.	0.1	2
228	Rapidly Solidified Al-Si-Mg Alloy. Journal of Metastable and Nanocrystalline Materials, 2004, 20-21, 594-598.	0.1	2
229	Microstructural Characterization of Spray Formed Al ₇₂ Si ₁₄ Fe ₁₄ Alloy. Journal of Metastable and Nanocrystalline Materials, 2004, 20-21, 659-664.	0.1	2
230	Microstructural Characterization of Spray Formed A380 Alloy. Journal of Metastable and Nanocrystalline Materials, 2004, 20-21, 588-593.	0.1	2
231	Influence of the atomization gas on the microstructure and magnetic properties of spray-formed Fe ₃ Si _{3.5} Al alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 477, 9-14.	5.6	2
232	Al Effect on the Structure of the Spray Formed Fe ₈₈ Si ₁₂ (at%) Alloy. Materials Science Forum, 2008, 570, 150-154.	0.3	2
233	Rapidly Solidified Al-6Si-3Cu Alloy. Materials Science Forum, 2008, 570, 103-108.	0.3	2
234	Selection of new glass-forming compositions in Al-La system using a combination of topological instability and thermodynamic criteria. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 512, 53-57.	5.6	2

#	ARTICLE	IF	CITATIONS
235	2Mg-Fe Alloy Processed by Hot Extrusion: Influence of Particle Size and Extrusion Reduction Ratio on Hydrogenation Properties. Materials Science Forum, 0, 691, 3-9.	0.3	2
236	Stability of an amorphous alloy of the Mm-Al-Ni-Cu system. Materials Research, 2012, 15, 757-762.	1.3	2
237	Consolidation of the Cu ₄₆ Zr ₄₂ Al ₇ Y ₅ amorphous ribbons and powder alloy by hot extrusion. Materials Research, 2012, 15, 728-738.	1.3	2
238	On the ternary eutectic reaction in the Fe ₆₀ Cr ₈ Nb ₈ B ₂₄ quaternary alloy. Journal of Alloys and Compounds, 2017, 707, 281-286.	5.5	2
239	Rapid Solidification and Laser Cladding of Gas Atomized Ni-Nb-Sn Bulk Metallic Glass. Materials Science Forum, 0, 899, 311-316.	0.3	2
240	Effect of Co additions on the phase formation, thermal stability, and mechanical properties of rapidly solidified Ti-Cu-based alloys. Journal of Materials Research, 2017, 32, 2578-2584.	2.6	2
241	Microstructural Evolution and Mechanical Properties of Ni ₅₇ Nb ₃₃ Zr ₅ Co ₅ Metallic Glass. Materials Research, 2017, 20, 244-247.	1.3	2
242	Thermal Spraying Processes and Amorphous Alloys: Macro-Indicators of Patent Activity. Materials Research, 2017, 20, 89-95.	1.3	2
243	Microstructure Characterization and Kinetics of Crystallization Behavior of Tubular Spray Formed Fe _{43.2} Co _{28.8} B _{19.2} Si _{4.8} Nb ₄ Bulk Metallic Glass*. HTM - Journal of Heat Treatment and Materials, 2014, 69, 312-321.	0.2	2
244	Magnetic Properties of Spray Formed Fe-3%Si, Fe-5%Si and Fe-6.5%Si Alloys. Materials Science Forum, 2003, 416-418, 113-118.	0.3	1
245	Glass Forming Ability of Fe-Co Based Alloys with High and Low Boron Additions. Journal of Metastable and Nanocrystalline Materials, 2003, 15-16, 149-154.	0.1	1
246	Retained Austenite in Spray Formed High Chromium White Cast Iron. Journal of Metastable and Nanocrystalline Materials, 2004, 20-21, 297-302.	0.1	1
247	Microstructural Characterization of As-Quenched and Heat Treated Al-Si-Mg Melt-Spun Ribbons. Journal of Metastable and Nanocrystalline Materials, 2004, 22, 103-108.	0.1	1
248	Consolidation of Easy Glass Former Zr ₅₅ Cu ₃₀ Al ₁₀ Ni ₅ Alloy Ribbons by Severe Plastic Deformation. Journal of Metastable and Nanocrystalline Materials, 2004, 20-21, 253-256.	0.1	1
249	Crystallization of Fe ₆₃ Nb ₁₀ Al ₄ Si ₃ B ₂₀ Amorphous Alloy. Journal of Metastable and Nanocrystalline Materials, 2004, 22, 109-114.	0.1	1
250	Microstructural Characterization of Gas Atomized Al-10%Si-4%Fe Alloy Powder. Journal of Metastable and Nanocrystalline Materials, 2004, 22, 115-120.	0.1	1
251	High-Strength Aluminium-Based Alloys. Journal of Metastable and Nanocrystalline Materials, 2004, 22, 27-32.	0.1	1
252	Microstructural Characterization of Spray Formed Al-9Si-3Cu-1Fe and Al-9Si-3Cu-1Fe + Al-4Si-4Fe Co-Deposited Alloy. Journal of Metastable and Nanocrystalline Materials, 2005, 24-25, 627-630.	0.1	1

#	ARTICLE	IF	CITATIONS
253	Hot Extrusion of Nanostructured Al Alloy Powder: Extrusion Ratio and Temperature Effect on the Microstructure and Mechanical Properties. <i>Materials Science Forum</i> , 0, 570, 91-96.	0.3	1
254	Processing and Simulation for Consolidation of Nanostructured Al-Cu Powder Alloys. <i>Materials Science Forum</i> , 0, 570, 97-102.	0.3	1
255	New Zr-based glass-forming alloys containing Gd and Sm. <i>Materials Research</i> , 2012, 15, 723-727.	1.3	1
256	Microstructural Features of Sn-3.0Ag-0.7Cu Alloy Prepared by Conventional and Microwave Sintering. <i>Materials Science Forum</i> , 0, 899, 412-417.	0.3	1
257	Effect of minor Si additions and cooling rate on the phase formation and properties of glass former Ni ₅₇ Nb ₃₃ Zr ₅ Co ₅ alloy. <i>Journal of Alloys and Compounds</i> , 2019, 787, 918-927.	5.5	1
258	Effect of the addition of Mn on the tensile properties of a spray-formed and extruded Al-9Si-4Cu-1Fe alloy. <i>Journal of Physics: Conference Series</i> , 2009, 144, 012014.	0.4	1
259	Pitting Resistance of Al ₉₀ Fe ₇ Nb ₃ and Al ₉₀ Fe ₇ Zr ₃ Nanocrystalline Alloys Obtained by Melt-Spinning and Hot Extrusion. <i>Portugaliae Electrochimica Acta</i> , 2009, 27, 309-316.	1.1	1
260	Recent developments on fabrication of Al-matrix composites reinforced with quasicrystals: From metastable to conventional processing. <i>Journal of Materials Research</i> , 2021, 36, 1-17.	2.6	1
261	An equivalent circuit developed for a 2-winding shell-type amorphous core transformer. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1997, 226-228, 1089-1092.	5.6	0
262	Solidification of Germanium, Al-Based and Pd-Based Alloys under High Pressure. <i>Journal of Metastable and Nanocrystalline Materials</i> , 1999, 2-6, 259-264.	0.1	0
263	Phase Selection in the Crystallization of Zr ₅₅ Al ₁₀ Ni ₅ Cu ₃₀ Amorphous Alloy. <i>Materials Science Forum</i> , 2001, 360-362, 107-112.	0.3	0
264	Formation of Novel Microstructures by Spray Deposition Process. <i>Materials Science Forum</i> , 2002, 403, 45-50.	0.3	0
265	Glass Formation of Containerless Levitated Zr ₅₅ Al ₁₀ Ni ₅ Cu ₃₀ Alloy Containing Oxygen. <i>Journal of Metastable and Nanocrystalline Materials</i> , 2002, 13, 53-58.	0.1	0
266	Phase Evolution and Microstructural Characterisation of High-Energy Ball Milled Al-Si-Fe-Ni Alloys. <i>Journal of Metastable and Nanocrystalline Materials</i> , 2002, 13, 59-64.	0.1	0
267	Particle Size Distribution in the Radial Direction of the Spray Cone and its Influence on the Formation of Porosity in Fe-6%Si Alloy Processed by Spray Forming. <i>Materials Science Forum</i> , 2003, 416-418, 425-430.	0.3	0
268	Solidification of the Non Dendrite-Forming Pb-16wt%Sn Alloy During Spray Forming. <i>Materials Science Forum</i> , 2003, 416-418, 401-406.	0.3	0
269	Thermodynamic Analysis and Experimental Assessment of Al-Fe-Nd Alloys. <i>Journal of Metastable and Nanocrystalline Materials</i> , 2004, 20-21, 557-562.	0.1	0
270	Partial Crystallisation and Mechanical Properties of Bulk Metallic Glasses. <i>Journal of Metastable and Nanocrystalline Materials</i> , 2004, 20-21, 71-76.	0.1	0

#	ARTICLE	IF	CITATIONS
271	Microstructural Characterization of Rapidly Solidified Al-6.5%Si-4%Cu Alloy Powders Produced by Gas Atomization. Journal of Metastable and Nanocrystalline Materials, 2005, 24-25, 519-522.	0.1	0
272	Soft Magnetic Properties of Amorphous Fe _{73-x} Nb _x Al ₄ Si ₃ B ₂₀ Alloys. Journal of Metastable and Nanocrystalline Materials, 2005, 24-25, 431-434.	0.1	0
273	Crystallization of Amorphous Al ₈₅ Ce ₅ Ni ₁₀ Ribbon. Materials Science Forum, 2008, 570, 126-131.	0.3	0
274	Effects of the addition of SiC on the crystallization of Al ₈₄ Ni ₈ Co ₄ Y ₃ Zr ₁ (at.%) amorphous ribbons. Journal of Non-Crystalline Solids, 2008, 354, 4878-4882.	3.1	0
275	Milling and Consolidation by Hot Rolling of Al-Fe-Cr Alloy. Materials Science Forum, 0, 591-593, 258-263.	0.3	0
276	Effect of the addition of Mn on the tensile properties of a spray-formed and extruded Al-9Si-4Cu-1Fe alloy. Journal of Physics: Conference Series, 2009, 144, 012114.	0.4	0
277	Selection of compositions with high glass forming ability in the Ni-Nb-B alloy system. Materials Research, 2012, 15, 718-722.	1.3	0
278	Characterization of Atomized Powders and Extruded Samples of an Al-Si-Cu Alloy. Materials Science Forum, 0, 899, 442-447.	0.3	0
279	Microstructural Characterization of a Laser Surface Remelted Cu-Based Shape Memory Alloy. Materials Research, 2018, 21, .	1.3	0
280	Corrosion of Fe-Based Nanocrystalline Alloys with Soft Magnetic Properties. Journal of ASTM International, 2010, 7, 102563.	0.2	0
281	Materials Research: Ibero-american Journal of Materials. Materials Research, 2012, 15, .	1.3	0
282	Influence of Heterogeneous Nuclei on the Solidification of Pd _{77.5} Cu ₆ Si _{16.5} Glassy Alloy. , 1988, , 195-198.		0
283	PROPRIEDADES DE ARMAZENAMENTO DE HIDROGÊNIO DO COMPOSITO MG-FE-CNT PREPARADO POR MOAGEM, EXTRUSÃO A QUENTE E LAMINAÇÃO A FRIO. , 0, , .		0
284	Formation, Stability and Ultrahigh Strength of Novel Nanostructured Alloys by Partial Crystallization of High-Entropy (Fe _{0.25} Co _{0.25} Ni _{0.25}) _{Tj} ETQq0 0 0 rgBT /Overlock 10 Tf 50 &sub>86Y&sub>B &sub>11&sub> Amorphous Phase. SSRN Electronic Journal, 0, , .	0.4	0