Claudio Shyinti Kiminami

List of Publications by Year
in descending order

284	4,632	109321	214800
papers	citations	35 h-index	47 g-index

291	291	291	2906
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Microstructure and properties of TiB2-reinforced Tiâ€“35Nbâ€“7Zrâ€“5Ta processed by laser-powder bed fusion. Journal of Materials Research, 2022, 37, 259-271.	2.6	8
3	Phase equilibria of VCrMnFeCo high entropy alloys. Journal of Alloys and Compounds, 2022, 903, 163950.	5.5	5
4	A wear-resistant Al85Cu6Fe3Cr6 spray-formed quasicrystalline composite. Materialia, 2022, 21, 101367.	2.7	3
5	An Overview of Thermally Sprayed Fe-Cr-Nb-B Metallic Glass Coatings: From the Alloy Development to the Coatingâ€™s Performance Against Corrosion and Wear. Journal of Thermal Spray Technology, 2022, 31, 923-955.	3.1	6
6	Processability of recycled quasicrystalline Al-Fe-Cr-Ti composites by selective laser melting - A statistical approach. Materialia, 2022, 22, 101377.	2.7	7
7	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
8	Recent developments on fabrication of Alâ€matrix composites reinforced with quasicrystals: From metastable to conventional processing. Journal of Materials Research, 2021, 36, 281-297.	2.6	31
9	Influence of thermomechanical post-treatment on the corrosion behavior of Ni57Nb33Zr5Co5 bulk metallic glass. Materials Letters, 2021, 288, 129350.	2.6	4
10	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
11	Additive manufacturing of a quasicrystal-forming Al95Fe2Cr2Ti1 alloy with remarkable high-temperature strength and ductility. Additive Manufacturing, 2021, 41, 101960.	3.0	3
12	Hallâ€“Petch and grain growth kinetics of the low stacking fault energy TRIP Cr40Co40Ni20 multi-principal element alloy. Applied Physics Letters, 2021, 119, .	3.3	9
13	Design, phase equilibria, and coarsening kinetics of a new <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0004.svg"><mml:mrow><mml:mi mathvariant="bold-italic">Î³</mml:mi><mml:mo>/</mml:mo><mml:msup><mml:mrow><mml:mi mathvariant="bold-italic">Î³</mml:mi></mml:mrow><mml:mrow><mml:mo accent="true">â€²</mml:mo></mml:mrow></mml:msup></mml:mrow></mml:math> precipitation-hardened multi-principal element alloy. Journal of Alloys and Compounds, 2021, 882, 160729.	5.5	8
14	Strong and ductile recycled Al-7Si-3Cu-1Fe alloy: Controlling the morphology of quasicrystal approximant Î±-phase by Mn and V addition. Journal of Alloys and Compounds, 2021, 888, 161508.	5.5	9
15	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
16	Corrosion resistant and tough multi-principal element Cr-Co-Ni alloys. Journal of Alloys and Compounds, 2021, 884, 161107.	5.5	14
17	Recent developments on fabrication of Al-matrix composites reinforced with quasicrystals: From metastable to conventional processing. Journal of Materials Research, 2021, 36, 1-17.	2.6	1
18	Ultrafine eutectic coatings from Fe-Nb-B powder using laser cladding. Materials Characterization, 2020, 160, 110080.	4.4	12

#	Article	IF	Citations
19	Oligocrystalline microstructure in an additively manufactured biocompatible Ti-Nb-Zr-Ta alloy. Materials Letters, 2020, 262, 127149.	2.6	10
20	Improved ball milling method for the synthesis of nanocrystalline TiFe compound ready to absorb hydrogen. International Journal of Hydrogen Energy, 2020, 45, 2084-2093.	7.1	19
21	Functionally graded aluminum reinforced with quasicrystal approximant phases â€“ Improving the wear resistance at high temperatures. Wear, 2020, 462-463, 203507.	3.1	9
22	New compositions of Feâ€“Coâ€“Nbâ€“Bâ€“Y BMG with wide supercooled liquid range, over 100 K. Journal of Materials Research and Technology, 2020, 9, 9174-9181.	5.8	9
23	Processing a biocompatible Tiâ€“35Nbâ€“7Zrâ€“5Ta alloy by selective laser melting. Journal of Materials Research, 2020, 35, 1143-1153.	2.6	24
24	Microstructure, phase formation and properties of rapid solidified Alâ€“Feâ€“Crâ€“Ti alloys. Materials Science and Technology, 2020, 36, 1205-1214.	1.6	5
25	Single step fabrication by spray forming of large volume Al-based composites reinforced with quasicrystals. Scripta Materialia, 2020, 181, 86-91.	5.2	24
26	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
27	Characterization, corrosion resistance and hardness of rapidly solidified Niâ€“Nb alloys. Journal of Alloys and Compounds, 2020, 829, 154529.	5.5	12
28	Wear-resistant boride reinforced steel coatings produced by non-vacuum electron beam cladding. Surface and Coatings Technology, 2020, 386, 125466.	4.8	22
29	Corrosion properties of amorphous, partially, and fully crystallized Fe68Cr8Mo4Nb4B16 alloy. Journal of Alloys and Compounds, 2020, 826, 154123.	5.5	36
30	Designing new quasicrystalline compositions in Al-based alloys. Journal of Alloys and Compounds, 2020, 823, 153765.	5.5	15
31	Formation, thermal stability and mechanical properties of high-entropy (Fe0.25Co0.25Ni0.25Cr0.125Mo0.0625Nb0.0625)100â€’Bx (xÂ= 7â€“14) amorphous alloys. Journal of Alloys and Compounds, 2020, 825, 153858.	5.5	15
32	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
33	Design of a FeMnAlC steel with TWIP effect and evaluation of its tensile and fatigue properties. Journal of Alloys and Compounds, 2020, 831, 154806.	5.5	19
34	Wear and Corrosion Performance of Al-Cu-Fe-(Cr) Quasicrystalline Coatings Produced by HVOF. Journal of Thermal Spray Technology, 2020, 29, 1195-1207.	3.1	20
35	Comparison of Cuâ€“Alâ€“Niâ€“Mnâ€“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
36	Fabrication of Al-matrix composite reinforced with quasicrystals using conventional metallurgical fabrication methods. Scripta Materialia, 2019, 173, 21-25.	5.2	26

#	Article	IF	Citations
37	Tailoring the microstructure of recycled 319 aluminum alloy aiming at high ductility. Journal of Materials Research and Technology, 2019, 8, 3539-3549.	5.8	16
38	Design and in-situ characterization of a strong and ductile co-rich multicomponent alloy with transformation induced plasticity. Scripta Materialia, 2019, 173, 70-74.	5.2	17
39	Formation and stability of complex metallic phases including quasicrystals explored through combinatorial methods. Scientific Reports, 2019, 9, 7136.	3.3	17
40	Formation, stability and ultrahigh strength of novel nanostructured alloys by partial crystallization of high-entropy (Fe0.25Co0.25Ni0.25Cr0.125Mo0.125)86â€'89B11â€'14 amorphous phase. Acta Materialia, 2019, 170, 50-61.	7.9	42
41	Consolidation of Fe-Based Metallic Glass Powders by Hot Pressing. Materials Research, 2019, 22, .	1.3	5
42	Effect of iron on the microstructure and mechanical properties of the spray-formed and rotary-swaged 319 aluminum alloy. International Journal of Advanced Manufacturing Technology, 2019, 102, 3879-3894.	3.0	15
43	Microstructure and mechanical behavior of Al92Fe3Cr2X3 (X = Ce, Mn, Ti, and V) alloys processed by centrifugal force casting. Journal of Materials Research and Technology, 2019, 8, 2092-2097.	5.8	9
44	Effect of minor Si additions and cooling rate on the phase formation and properties of glass former Ni57Nb33Zr5Co5 alloy. Journal of Alloys and Compounds, 2019, 787, 918-927.	5.5	1
45	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
46	Corrosion and wear properties of FeCrMnCoSi HVOF coatings. Surface and Coatings Technology, 2019, 357, 993-1003.	4.8	42
47	Wear Resistant Duplex Stainless Steels Produced by Spray Forming. Metals and Materials International, 2019, 25, 456-464.	3.4	14
48	Effect of boron addition on the solidification sequence and microstructure of AlCoCrFeNi alloys. Journal of Alloys and Compounds, 2019, 775, 1235-1243.	5.5	42
49	Degradation of biodegradable implants: The influence of microstructure and composition of Mg-Zn-Ca alloys. Journal of Alloys and Compounds, 2019, 774, 168-181.	5.5	40
50	Resistance upset welding of Zr-based bulk metallic glasses. Journal of Materials Processing Technology, 2018, 255, 760-764.	6.3	9
51	Mechanical activation of TiFe for hydrogen storage by cold rolling under inert atmosphere. International Journal of Hydrogen Energy, 2018, 43, 2913-2918.	7.1	66
52	The formation of quasicrystals in Al-Cu-Fe-(M=Cr,Ni) melt-spun ribbons. Journal of Alloys and Compounds, 2018, 731, 1288-1294.	5.5	24
53	Characterization and Corrosion Resistance of Boron-Containing-Austenitic Stainless Steels Produced by Rapid Solidification Techniques. Materials, 2018, 11, 2189.	2.9	18
54	Changing the solidification sequence and the morphology of iron-containing intermetallic phases in AA6061 aluminum alloy processed by spray forming. Materials Characterization, 2018, 145, 507-515.	4.4	18

#	Article	IF	Citations
55	Synthesis of Î²-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
56	Room temperature hydrogen absorption by Mg andÂMg TiFe nanocomposites processed by high-energy ball milling. International Journal of Hydrogen Energy, 2018, 43, 12251-12259.	7.1	32
57	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
58	Hydrogen storage in MgH2LaNi5 composites prepared by cold rolling under inert atmosphere. International Journal of Hydrogen Energy, 2018, 43, 13348-13355.	7.1	25
59	High Throughput Discovery and Design of Strong Multicomponent Metallic Solid Solutions. Scientific Reports, 2018, 8, 8600.	3.3	67
60	The Influence of Sintering Parameters in the Microstructure and Mechanical Properties of a Cuâ€“Alâ€“Niâ€“Mnâ€“Zr Shape Memory Alloy. Advanced Engineering Materials, 2018, 20, 1800372.	3.5	9
61	Microstructural Characterization of a Laser Surface Remelted Cu-Based Shape Memory Alloy. Materials Research, 2018, 21, .	1.3	0
62	Effect of Cr addition on the formation of the decagonal quasicrystalline phase of a rapidly solidified Al-Ni-Co alloy. Journal of Alloys and Compounds, 2017, 707, 41-45.	5.5	16
63	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
64	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
65	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
66	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
67	Structural, mechanical and thermal characterization of an Al-Co-Fe-Cr alloy for wear and thermal barrier coating applications. Surface and Coatings Technology, 2017, 319, 241-248.	4.8	27
68	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
69	Assessing technological developments in amorphous/glassy metallic alloys using patent indicators. Journal of Alloys and Compounds, 2017, 716, 330-335.	5.5	15
70	Microstructure and wear behavior of Fe-based amorphous HVOF coatings produced from commercial precursors. Surface and Coatings Technology, 2017, 309, 938-944.	4.8	92
71	Processing of MgH2 by extensive cold rolling under protective atmosphere. International Journal of Hydrogen Energy, 2017, 42, 2201-2208.	7.1	16
72	An assessment of microstructure and properties of laser clad coatings of ultrafine eutectic Î² Ti-Fe-Nb-Sn composite for implants. Surface and Coatings Technology, 2017, 328, 161-171.	4.8	11

#	Article	IF	Citations
73	On the valence electron theory to estimate the transformation temperatures of Cuâ€“Al-based shape memory alloys. Journal of Materials Research, 2017, 32, 3165-3174.	2.6	11
74	Effect of Co additions on the phase formation, thermal stability, and mechanical properties of rapidly solidified Tiâ€“Cu-based alloys. Journal of Materials Research, 2017, 32, 2578-2584.	2.6	2
75	Effect of cold rolling on the structure and hydrogen properties of AZ91 and AM60D magnesium alloys processed by ECAP. International Journal of Hydrogen Energy, 2017, 42, 21822-21831.	7.1	27
76	Insight into the complex ternary phase behavior in Al-Mn-Ce alloys. Journal of Alloys and Compounds, 2017, 727, 460-468.	5.5	14
77	Predicting the Formation of Intermetallic Phases in the Al-Si-Fe System with Mn Additions. Journal of Phase Equilibria and Diffusion, 2017, 38, 298-304.	1.4	19
78	Effect of dislocations and residual stresses on the martensitic transformation of Cu-Al-Ni-Mn shape memory alloy powders. Journal of Alloys and Compounds, 2017, 723, 841-849.	5.5	10
79	Wear and corrosion properties of HVOF coatings from Superduplex alloy modified with addition of boron. Surface and Coatings Technology, 2017, 309, 911-919.	4.8	24
80	Laser Cladding of Fe-based Metallic Glass/MoS2 Self-lubricating Composites: Effect of Power and Scanning Speed. Materials Research, 2017, 20, 836-841.	1.3	3
81	Ultrafine-Grained Ti-13Nb-13Zr Alloy Produced by Severe Plastic Deformation. Materials Research, 2017, 20, 404-410.	1.3	9
82	Microstructural Evolution and Mechanical Properties of Ni57Nb33Zr5Co5 Metallic Glass. Materials Research, 2017, 20, 244-247.	1.3	2
83	Thermal Spraying Processes and Amorphous Alloys: Macro-Indicators of Patent Activity. Materials Research, 2017, 20, 89-95.	1.3	2
84	Metallic Glass Formation Upon Rapid Solidification of Fe60Cr8Nb8B24 (at%) Alloy through LASER Cladding and Remelting. Materials Research, 2017, 20, 580-587.	1.3	9
85	Enhancement of Mechanical Properties of Aluminum and 2124 Aluminum Alloy by the Addition of Quasicrystalline Phases. Materials Research, 2016, 19, 74-79.	1.3	27
86	The Effect of Cr Content on the Glass Forming Ability of Fe68-xCrxNb8B24 (x =8,10,12) Alloys. Materials Research, 2016, 19, 92-96.	1.3	4
87	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
88	Phase transformation and shape memory effect of a Cu-Al-Ni-Mn-Nb high temperature shape memory alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 663, 64-68.	5.6	27
89	Laser surface remelting of a Cu-Al-Ni-Mn shape memory alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 661, 61-67.	5.6	41
90	Improving the glass-forming ability and plasticity of a TiCu-based bulk metallic glass composite by minor additions of Si. Journal of Alloys and Compounds, 2016, 663, 531-539.	5.5	18

#	Article	IF	Citations
91	Influence of processing parameters on the fabrication of a Cu-Al-Ni-Mn shape-memory alloy by selective laser melting. Additive Manufacturing, 2016, 11, 23-31.	3.0	80
92	Corrosion resistance of Fe-Cr-based amorphous alloys: An overview. Journal of Non-Crystalline Solids, 2016, 442, 56-66.	3.1	163
93	Design and production of Al-Mn-Ce alloys with tailored properties. Materials and Design, 2016, 110, 436-448.	7.0	16
94	Mg-Zn-Ca amorphous alloys for application as temporary implant: Effect of Zn content on the mechanical and corrosion properties. Materials and Design, 2016, 110, 188-195.	7.0	41
95	Characterization of hydrogen storage properties of Mg-Fe-CNT composites prepared by ball milling, hot-extrusion and severe plastic deformation methods. International Journal of Hydrogen Energy, 2016, 41, 23092-23098.	7.1	21
96	Microstructural investigation of Fe Cr Nb B amorphous/nanocrystalline coating produced by HVOF. Materials and Design, 2016, 111, 608-615.	7.0	36
97	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
98	Wear resistant coatings of boron-modified stainless steels deposited by Plasma Transferred Arc. Surface and Coatings Technology, 2016, 302, 255-264.	4.8	38
99	Severely deformed ZK60Â+Â2.5% Mm alloy for hydrogen storage produced by two different processing routes. International Journal of Hydrogen Energy, 2016, 41, 11284-11292.	7.1	25
100	Hydrogen storage in heavily deformed ZK60 alloy modified with 2.5Âwt.% Mm addition. International Journal of Hydrogen Energy, 2016, 41, 4177-4184.	7.1	23
101	Phase Formation, Thermal Stability and Mechanical Properties of a Cu-Al-Ni-Mn Shape Memory Alloy Prepared by Selective Laser Melting. Materials Research, 2015, 18, 35-38.	1.3	36
102	Crystallization Behavior of Amorphous Ti51.1Cu38.9Ni10.0 Alloy. Materials Research, 2015, 18, 104-108.	1.3	4
103	Reassessment of the effects of Ce on quasicrystal formation and microstructural evolution in rapidly solidified Alâ€“Mn alloys. Acta Materialia, 2015, 98, 221-228.	7.9	35
104	Design of wear resistant boron-modified supermartensitic stainless steel by spray forming process. Materials and Design, 2015, 83, 214-223.	7.0	35
105	Thermodynamic analysis of the effect of annealing on the thermal stability of a Cuâ€“Alâ€“Niâ€“Mn shape memory alloy. Thermochimica Acta, 2015, 608, 1-6.	2.7	29
106	The effect of oxygen on the microstructural evolution in crystallized Cuâ€“Zrâ€“Al metallic glasses. Intermetallics, 2015, 65, 51-55.	3.9	4
107	Correlation between hydrogen storage properties and textures induced in magnesium through ECAP and cold rolling. International Journal of Hydrogen Energy, 2014, 39, 3810-3821.	7.1	63
108	Processing and characterization of amorphous magnesium based alloy for application in biomedical implants. Journal of Materials Research and Technology, 2014, 3, 203-209.	5.8	24

#	Article	IF	Citations
109	Corrosion resistance of Fe-based amorphous alloys. Journal of Alloys and Compounds, 2014, 586, S105-S110.	5.5	90
110	Corrosion properties of Feâ€“Crâ€“Nbâ€“B amorphous alloys and coatings. Surface and Coatings Technology, 2014, 254, 238-243.	4.8	53
111	The role of yttrium and oxygen on the crystallization behavior of a Cuâ€“Zrâ€“Al metallic glass. Journal of Non-Crystalline Solids, 2014, 406, 79-87.	3.1	14
112	Formation of Fe-based glassy matrix composite coatings by laser processing. Surface and Coatings Technology, 2014, 240, 336-343.	4.8	56
113	Spray forming of Cuâ€“11.85Alâ€“3.2Niâ€“3Mn (wt%) shape memory alloy. Journal of Alloys and Compounds, 2014, 615, S602-S606.	5.5	34
114	Hydrogen storage properties of pure Mg after the combined processes of ECAP and cold-rolling. Journal of Alloys and Compounds, 2014, 586, S405-S408.	5.5	40
115	Hydrogen storage properties of 2Mgâ€“Fe after the combined processes of hot extrusion and cold rolling. Journal of Alloys and Compounds, 2014, 586, S409-S412.	5.5	14
116	Microstructure Characterization and Kinetics of Crystallization Behavior of Tubular Spray Formed Fe43.2Co28.8B19.2Si4.8Nb4 Bulk Metallic Glass*. HTM - Journal of Heat Treatment and Materials, 2014, 69, 312-321.	0.2	2
117	Microstructure evolution and mechanical properties of Alâ€“Znâ€“Mgâ€“Cu alloy reprocessed by spray-forming and heat treated at peak aged condition. Journal of Alloys and Compounds, 2013, 579, 169-173.	5.5	67
118	Comparative study between two die cast methods for processing Cuâ€“Zrâ€“Al bulk metallic glasses. Journal of Materials Research and Technology, 2013, 2, 125-129.	5.8	6
119	Microstructure study of Al 7050 alloy reprocessed by spray forming and hot-extrusion and aged at 121ÂÂ°C. Intermetallics, 2013, 43, 182-187.	3.9	25
120	Nanoquasicrystalline Alâ€“Feâ€“Crâ€“Nb alloys produced by powder metallurgy. Journal of Alloys and Compounds, 2013, 577, 650-657.	5.5	24
121	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
122	Corrosion resistance and glass forming ability of Fe47Co7Cr15M9Si5B15Y2 (M=Mo, Nb) amorphous alloys. Materials Research, 2013, 16, 1294-1298.	1.3	5
123	Microstructure and wear resistance of spray-formed supermartensitic stainless steel. Materials Research, 2013, 16, 642-646.	1.3	15
124	Formation and microstructure of Ni62- x Nb38Ti x (x = 3, 6, 10 at.%) bulk metallic glasses. International Journal of Materials Research, 2012, 103, 1096-1101.	0.3	5
125	Hydrogen storage properties of 2Mgâ€“Fe mixtures processed by hot extrusion: Influence of the extrusion ratio. International Journal of Hydrogen Energy, 2012, 37, 15196-15203.	7.1	9
126	Rapid solidification of an Al-5Ni alloy processed by spray forming. Materials Research, 2012, 15, 779-785.	1.3	8

#	Article	IF	Citations
127	Microstructural characterization of Ti-6Al-7Nb alloy after severe plastic deformation. Materials Research, 2012, 15, 786-791.	1.3	15
128	Microstructural evolution of Ti-6Al-7Nb alloy during high pressure torsion. Materials Research, 2012, 15, 792-795.	1.3	8
129	Selection of compositions with high glass forming ability in the Ni-Nb-B alloy system. Materials Research, 2012, 15, 718-722.	1.3	0
130	Stability of an amorphous alloy of the Mm-Al-Ni-Cu system. Materials Research, 2012, 15, 757-762.	1.3	2
131	New Zr-based glass-forming alloys containing Gd and Sm. Materials Research, 2012, 15, 723-727.	1.3	1
132	Consolidation of the Cu46Zr42Al7Y5 amorphous ribbons and powder alloy by hot extrusion. Materials Research, 2012, 15, 728-738.	1.3	2
133	Materials Research: Ibero-american Journal of Materials. Materials Research, 2012, 15, .	1.3	0
134	2Mgâ€“Fe alloys processed by hot-extrusion: Influence of processing temperature and the presence of MgO and MgH2 on hydrogenation sorption properties. Journal of Alloys and Compounds, 2011, 509, S460-S463.	5.5	19
135	2Mgâ€“Fe and 2Mgâ€“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
136	Ordered phases and texture in spray-formed Feâ€“5wt%Si. Journal of Alloys and Compounds, 2011, 509, S260-S264.	5.5	19
137	Predicting glass-forming compositions in the Alâ€“La and Alâ€“Laâ€“Ni systems. Journal of Alloys and Compounds, 2011, 509, S170-S174.	5.5	6
138	Topological instability and glass forming ability of Alâ€“Niâ€“Sm alloys. Journal of Alloys and Compounds, 2011, 509, S141-S144.	5.5	9
139	Nanostructured MgH2 prepared by cold rolling and cold forging. Journal of Alloys and Compounds, 2011, 509, S444-S448.	5.5	54
140	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
141	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
142	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
143	Characterization of Glass Forming Alloy Fe_{43.2}Co_{28.8}B_{19.2}Si_{4.8}Nb₄ Processed by Spray Forming and Wedge Mold Casting Techniques. Materials Science Forum, 2011, 691, 23-26.	0.3	7
144	Nanoscale Grain Refinement and Hâ€Sorption Properties of MgH₂ Processed by Highâ€Pressure Torsion and Other Mechanical Routes. Advanced Engineering Materials, 2010, 12, 786-792.	3.5	82

#	Article	IF	Citations
145	Processing of glass former alloys by spray forming. Materialwissenschaft Und Werkstofftechnik, 2010, 41, 513-523.	0.9	9
146	Outâ€ofâ€Plane Magnetic Patterning Based on Indentationâ€Induced Nanocrystallization of a Metallic Glass. Small, 2010, 6, 1543-1549.	10.0	18
147	Hydrogen Sorption Properties of the Complex Hydride Mg₂FeH₆ Consolidated by HPT. Materials Science Forum, 2010, 667-669, 1053-1058.	0.3	3
148	Hydrogen Activation Behavior of Commercial Magnesium Processed by Different Severe Plastic Deformation Routes. Materials Science Forum, 2010, 667-669, 1047-1051.	0.3	15
149	Partial crystallization and corrosion resistance of amorphous Fe-Cr-M-B (M=Mo, Nb) alloys. Journal of Non-Crystalline Solids, 2010, 356, 2651-2657.	3.1	44
150	Mechanical behavior under nanoindentation of a new Ni-based glassy alloy produced by melt-spinning and copper mold casting. Journal of Non-Crystalline Solids, 2010, 356, 2251-2257.	3.1	13
151	Evaluation of glass forming ability in the Niâ€“Nbâ€“Zr alloy system by the topological instability (Î») criterion. Journal of Alloys and Compounds, 2010, 495, 313-315.	5.5	10
152	Laser remelting of Al91Fe4Cr3Ti2 quasicrystalline phase former alloy. Journal of Alloys and Compounds, 2010, 495, 646-649.	5.5	19
153	Glass formation of alloys selected by lambda and electronegativity criteria in the Tiâ€“Zrâ€“Feâ€“Co system. Journal of Alloys and Compounds, 2010, 495, 316-318.	5.5	10
154	Crystallisation behaviour and glass-forming ability in Alâ€“Laâ€“Ni system. Journal of Alloys and Compounds, 2010, 495, 334-337.	5.5	17
155	Microstructural characterization of spray formed Fe66B30Nb4 alloy. Journal of Alloys and Compounds, 2010, 495, 417-419.	5.5	4
156	Microstructure and mechanical properties of Alâ€“Siâ€“Mg ribbons. Journal of Alloys and Compounds, 2010, 495, 386-390.	5.5	18
157	Microstructural characterization and hydrogenation study of extruded MgFe alloy. Journal of Alloys and Compounds, 2010, 504, S299-S301.	5.5	19
158	Corrosion of Fe-Based Nanocrystalline Alloys with Soft Magnetic Properties. Journal of ASTM International, 2010, 7, 102563.	0.2	0
159	Microstructural characterization of a laser remelted coating of Al91Fe4Cr3Ti2 quasicrystalline alloy. Scripta Materialia, 2009, 61, 709-712.	5.2	28
160	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
161	Hot Extrusion of Nanostructured Al-Powder Alloys: Grain Growth Control and the Effect of Process Parameters on Their Microstructure and Mechanical Properties. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2009, 40, 3314-3321.	2.2	9
162	Selection of new glass-forming compositions in Alâ€“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
163	Topological instability, average electronegativity difference and glass forming ability of amorphous alloys. Intermetallics, 2009, 17, 183-185.	3.9	25
164	Processing of Al matrix composites reinforced with Alâ€“Ni compounds and Al2O3 by reactive milling and reactive sintering. Journal of Alloys and Compounds, 2009, 471, 448-452.	5.5	27
165	Crystallisation behaviours of Al-based metallic glasses: Compositional and topological aspects. Journal of Alloys and Compounds, 2009, 483, 89-93.	5.5	34
166	Severe plastic deformation of Mg-Fe powders to produce bulk hydrides. Journal of Physics: Conference Series, 2009, 144, 012015.	0.4	23
167	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
168	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, 012014.	0.4	1
169	Pitting Resistance of Al90Fe7Nb3 and Al90Fe7Zr3 Nanocrystalline Alloys Obtained by Melt-Spinning and Hot Extrusion. Portugaliae Electrochimica Acta, 2009, 27, 309-316.	1.1	1
170	Influence of the atomization gas on the microstructure and magnetic properties of spray-formed Feâ€“3%Siâ€“3.5%Al alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 477, 9-14.	5.6	2
171	Magnetic properties of spray-formed Feâ€“6.5%Si and Feâ€“6.5%Siâ€“1.0%Al after rolling and heat treatment. Journal of Magnetism and Magnetic Materials, 2008, 320, e653-e656.	2.3	48
172	Crystallization of Amorphous Al₈₅Ce₅Ni₁₀ Ribbon. Materials Science Forum, 2008, 570, 126-131.	0.3	0
173	Selection of good glass former compositions in Niâ€“Ti system using a combination of topological instability and thermodynamic criteria. Journal of Non-Crystalline Solids, 2008, 354, 1932-1935.	3.1	12
174	Glass forming ability of the Alâ€“Ceâ€“Ni system. Journal of Non-Crystalline Solids, 2008, 354, 4874-4877.	3.1	37
175	Effects of the addition of SiC on the crystallization of Al84Ni8Co4Y3Zr1 (at.%) amorphous ribbons. Journal of Non-Crystalline Solids, 2008, 354, 4878-4882.	3.1	0
176	Thermodynamic and topological instability approaches for forecasting glass-forming ability in the ternary Alâ€“Niâ€“Y system. Journal of Alloys and Compounds, 2008, 464, 118-121.	5.5	11
177	Al Effect on the Structure of the Spray Formed Fe₈₈Si₁₂ (at%) Alloy. Materials Science Forum, 2008, 570, 150-154.	0.3	2
178	Topological instability and electronegativity effects on the glass-forming ability of metallic alloys. Philosophical Magazine Letters, 2008, 88, 785-791.	1.2	36
179	Correlation between heat- and deformation-induced crystallization of amorphous Al alloys. Philosophical Magazine Letters, 2008, 88, 863-870.	1.2	7
180	Rapidly Solidified Al-6Si-3Cu Alloy. Materials Science Forum, 2008, 570, 103-108.	0.3	2

#	Article	IF	Citations
181	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
182	Microstructure and mechanical properties of spray co-deposited Alâ€“8.9wt.% Siâ€“3.2wt.% Cuâ€“0.9wt.% Fe+(Alâ€“3wt.% Mnâ€“4wt.% Si)p composite. Journal of Alloys and Compounds, 2007, 434-435, 371-374.	5.5	11
183	Rapidly solidified Al92Fe3Cr2Mn3 alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 449-451, 1057-1061.	5.6	10
184	Microstructure and mechanical properties of spray deposited and extruded/heat treated hypoeutectic Alâ€“Si alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 449-451, 850-853.	5.6	19
185	Magnetic properties evaluation of spray formed and rolled Feâ€“6.5wt.% Siâ€“1.0wt.% Al alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 449-451, 375-377.	5.6	48
186	Spray forming of glass former Fe63Nb10Al4Si3B20 alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 449-451, 884-889.	5.6	23
187	Evolution of the texture of spray-formed Feâ€“6.5wt.% Siâ€“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
188	In-situ crystallization of amorphous Fe73â^'xNbxAl4Si3B20 alloys through synchrotron radiation. Journal of Non-Crystalline Solids, 2006, 352, 3404-3409.	3.1	12
189	Sliding wear of spray-formed high-chromium white cast iron alloys. Wear, 2005, 259, 445-452.	3.1	42
190	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
191	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
192	Soft Magnetic Properties of Amorphous Fe_{73-x}Nb_xAl₄Si₃B₂₀ Alloys. Journal of Metastable and Nanocrystalline Materials, 2005, 24-25, 431-434.	0.1	0
193	Topological instability as a criterion for design and selection of aluminum-based glass-former alloys. Applied Physics Letters, 2005, 86, 211904.	3.3	72
194	Microstructure and Magnetic Properties of Fe-6.5wt%Si Alloy Obtained by Spray Forming Process. Materials Science Forum, 2005, 498-499, 111-118.	0.3	15
195	Gas Atomization of Nanocrystalline Fe₆₃Nb₁₀Al₄Si₃B₂₀ Alloy. Journal of Metastable and Nanocrystalline Materials, 2004, 20-21, 175-182.	0.1	4
196	Thermodynamic Analysis and Experimental Assessment of Al-Fe-Nd Alloys. Journal of Metastable and Nanocrystalline Materials, 2004, 20-21, 557-562.	0.1	0
197	Rapidly Solidified Al-Si-Mg Alloy. Journal of Metastable and Nanocrystalline Materials, 2004, 20-21, 594-598.	0.1	2
198	Microstructural Characterization of Spray Formed Al₇₂Si₁₄ Fe₁₄ Alloy. Journal of Metastable and Nanocrystalline Materials, 2004, 20-21, 659-664.	0.1	2

#	Article	IF	Citations
199	Retained Austenite in Spray Formed High Chromium White Cast Iron. Journal of Metastable and Nanocrystalline Materials, 2004, 20-21, 297-302.	0.1	1
200	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
201	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
202	Consolidation of Easy Glass Former Zr₅₅Cu₃₀Al₁₀Ni₅ Alloy Ribbons by Severe Plastic Deformation. Journal of Metastable and Nanocrystalline Materials, 2004, 20-21, 253-256.	0.1	1
203	Crystallization of Fe₆₃Nb₁₀Al₄Si₃B₂₀ Amorphous Alloy. Journal of Metastable and Nanocrystalline Materials, 2004, 22, 109-114.	0.1	1
204	Nanostructured Al₈₉Fe₁₀Zr₁ Alloy Obtained by Mechanical Alloying. Journal of Metastable and Nanocrystalline Materials, 2004, 20-21, 183-188.	0.1	8
205	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
206	Order/Disorder Transformations in Spray Formed FeSiAl Alloys. Journal of Metastable and Nanocrystalline Materials, 2004, 20-21, 553-556.	0.1	3
207	Partial Crystallisation and Mechanical Properties of Bulk Metallic Glasses. Journal of Metastable and Nanocrystalline Materials, 2004, 20-21, 71-76.	0.1	0
208	Microstructural Characterization of Spray Formed A380 Alloy. Journal of Metastable and Nanocrystalline Materials, 2004, 20-21, 588-593.	0.1	2
209	Directional and rapid solidification of Alâ€“Nbâ€“Ni ternary eutectic alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 375-377, 565-570.	5.6	10
210	Electromechanical shaping, assembly and engraving of bulk metallic glasses. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 375-377, 227-234.	5.6	14
211	Spray forming of the glass former Fe83Zr3.5Nb3.5B9Cu1 alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 375-377, 571-576.	5.6	14
212	Microstructure of under-cooled Snâ€“Bi and Alâ€“Si alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 375-377, 473-478.	5.6	15
213	Microstructure and mechanical properties of spray deposited hypoeutectic Alâ€“Si alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 375-377, 577-580.	5.6	40
214	Consolidation of partially amorphous aluminium-alloy powders by severe plastic deformation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 375-377, 936-941.	5.6	50
215	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
216	High-Strength Aluminium-Based Alloys. Journal of Metastable and Nanocrystalline Materials, 2004, 22, 27-32.	0.1	1

#	Article	IF	Citations
217	Microstructure of undercooled SnSeâ€“SnSe2 hypoeutectic alloy. Journal of Alloys and Compounds, 2004, 375, 142-146.	5.5	7
218	Microstructure and metastable phase formation in a rapidly solidified Niâ€“Si eutectic alloy using a melt-spinning technique. Journal of Alloys and Compounds, 2004, 381, 72-76.	5.5	14
219	Microstructural Characterization of Spray Formed Ni-Al-Cr-C Alloys. Materials Science Forum, 2003, 416-418, 437-443.	0.3	2
220	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
221	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. Materials Science Forum, 2003, 416-418, 425-430.	0.3	0
222	Electromechanical Processing of Bulk Metallic Glasses. Journal of Metastable and Nanocrystalline Materials, 2003, 15-16, 11-16.	0.1	2
223	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
224	Milling and Hot Consolidation of Al-Fe-Nb Alloy. Materials Science Forum, 2003, 416-418, 287-292.	0.3	4
225	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
226	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
227	Solidification of the Non Dendrite-Forming Pb-16wt%Sn Alloy During Spray Forming. Materials Science Forum, 2003, 416-418, 401-406.	0.3	0
228	Microstructure of Spray Formed Fe₈₃Nb₄ZrTiB₉Cu₂ Alloy. Materials Science Forum, 2003, 416-418, 388-394.	0.3	3
229	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
230	Microstructures of Rapidly Solidified Al-9Si-3Cu Alloy. Journal of Metastable and Nanocrystalline Materials, 2003, 15-16, 421-426.	0.1	3
231	Electromechanical engraving and writing on bulk metallic glasses. Applied Physics Letters, 2002, 81, 1606-1608.	3.3	7
232	Consolidation of Partially Amorphous Al-Fe-Zr Alloys. Materials Science Forum, 2002, 386-388, 33-38.	0.3	14
233	Formation of Novel Microstructures by Spray Deposition Process. Materials Science Forum, 2002, 403, 45-50.	0.3	0
234	Glass Formation of Containerless Levitated Zr₅₅Al₁₀Ni₅Cu₃₀ Alloy Containing Oxygen. Journal of Metastable and Nanocrystalline Materials, 2002, 13, 53-58.	0.1	0

#	Article	IF	Citations
235	The â€œBig-Cubeâ€•Phase Found in Zr-Cu-Al-Ni Easy Glass Forming Alloys. Materials Science Forum, 2002, 403, 101-106.	0.3	3
236	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
237	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
238	Glass Formation of Containerless Levitated Zr₅₅Al₁₀Ni₅Cu₃₀ Alloy Containing Oxygen. Materials Science Forum, 2002, 386-388, 53-58.	0.3	2
239	Phase Evolution and Microstructural Characterisation of High-Energy Ball Milled Al-Si-Fe-Ni Alloys. Journal of Metastable and Nanocrystalline Materials, 2002, 13, 59-64.	0.1	0
240	Primary crystallization in amorphous Al84Ni8Co4Y3Zr1 alloy. Journal of Non-Crystalline Solids, 2002, 304, 36-43.	3.1	17
241	Phases formed during crystallization of Zr55Al10Ni5Cu30 metallic glass containing oxygen. Journal of Non-Crystalline Solids, 2002, 304, 51-55.	3.1	25
242	Influence of the corrosion on the saturation magnetic density of amorphous and nanocrystalline Fe73Nb3Si15.5B7.5Cu1 and Fe80Zr3.5Nb3.5B12Cu1 alloys. Journal of Non-Crystalline Solids, 2002, 304, 210-216.	3.1	31
243	Influence of composition and partial crystallization on corrosion resistance of amorphous Feâ€“Mâ€“Bâ€“Cu (M=Zr, Nb, Mo) alloys. Journal of Non-Crystalline Solids, 2001, 284, 99-104.	3.1	20
244	Amorphous phase formation during spray forming of Al84Y3Ni8Co4Zr1 alloy. Journal of Non-Crystalline Solids, 2001, 284, 134-138.	3.1	30
245	Crystallization behavior of amorphous Al84Y9Ni5Co2 alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 304-306, 332-337.	5.6	33
246	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
247	Microstructure of undercooled Pbâ€“Sn alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 304-306, 255-261.	5.6	13
248	Amorphous phase formation in spray deposited AlYNiCo and AlYNiCoZr alloys. Scripta Materialia, 2001, 44, 1625-1628.	5.2	35
249	Magnetic Properties of Spray Formed Fe-6.wt%Si Alloy. Key Engineering Materials, 2001, 189-191, 643-648.	0.4	7
250	Effects of pressure on the solidification of Alâ€“Mn alloy. Journal of Materials Research, 2001, 16, 910-913.	2.6	9
251	Phase Selection in the Crystallization of Zr₅₅Al₁₀Ni₅Cu₃₀ Amorphous Alloy. Materials Science Forum, 2001, 360-362, 107-112.	0.3	0
252	Microstructural Characterization and Grain Growth Kinetics of Atomized Fe-6%Si Alloy. Key Engineering Materials, 2001, 189-191, 461-466.	0.4	3

#	Article	IF	Citations
253	Challenges in the Development of Aluminium-Based Bulk Amorphous Alloys. Key Engineering Materials, 2001, 189-191, 503-508.	0.4	24
254	Application of mathematical simulation and the factorial design method to the optimization of the atomization stage in the spray forming of a Cuâ€“6% Zn alloy. Journal of Materials Processing Technology, 2000, 102, 221-229.	6.3	22
255	Phases formed during crystallization of amorphous Al84Y9Ni5Co2 alloy. Journal of Non-Crystalline Solids, 2000, 273, 271-276.	3.1	35
256	Solidification of Germanium, Al-Based and Pd-Based Alloys under High Pressure. Journal of Metastable and Nanocrystalline Materials, 1999, 2-6, 259-264.	0.1	0
257	Growth and microstructural characterization of SnSe-SnSe2 composite. Journal of Materials Science, 1999, 34, 4607-4612.	3.7	17
258	Heterogeneous Nucleation Behavior in Undercooled Snâ€“Bi Alloys. Journal of Materials Science Letters, 1999, 18, 487-488.	0.5	3
259	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
260	Amorphous phase formation in Fe-6.0wt%Si alloy by mechanical alloying. Scripta Materialia, 1999, 42, 213-217.	5.2	20
261	Corrosion resistance of amorphous and polycrystalline FeCuNbSiB alloys in sulphuric acid solution. Journal of Non-Crystalline Solids, 1999, 247, 69-73.	3.1	43
262	The Liquid Dynamic Compaction of a Zn-Al-Cu Alloy. Materials Science Forum, 1998, 299-300, 398-406.	0.3	6
263	Reactive Milling and Sintering of Nb-16at.% Si Mixtures. Materials Science Forum, 1997, 235-238, 151-156.	0.3	10
264	Crystallization and corrosion resistance of amorphous FeCuNbSiB. Journal of Non-Crystalline Solids, 1997, 219, 155-159.	3.1	39
265	Phase transformation in Nbâ€”16 at.% Si processed by high-energy ball milling. Journal of Non-Crystalline Solids, 1997, 219, 170-175.	3.1	17
266	An amorphous core transformer: design and experimental performance. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1997, 226-228, 1079-1082.	5.6	18
267	An equivalent circuit developed for a 2-winding shell-type amorphous core transformer. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1997, 226-228, 1089-1092.	5.6	0
268	Undercoolability of copper bulk samples. Journal of Materials Science Letters, 1989, 8, 1416-1417.	0.5	15
269	Solidification of a supercooled Pd77.5Cu6Si16.5 bulk sample. Journal of Materials Science Letters, 1989, 8, 201-203.	0.5	7
270	Influence of heterogeneous nuclei on the solidification of Pd77.5Cu6Si16.5 glassy alloy. Materials Science and Engineering, 1988, 97, 195-198.	0.1	7

#	Article	IF	Citations
271	Influence of Heterogeneous Nuclei on the Solidification of Pd77.5Cu6Si16.5 Glassy Alloy. , 1988, , 195-198.		0
272	Kinetics of crystal nucleation and growth in Pd77.5Cu6Si16.5 glass. Acta Metallurgica, 1986, 34, 2129-2137.	2.1	40
273	Temperature gradient at the solidâ€"liquid interface in rapid directional solidification. Journal of Materials Science Letters, 1986, 5, 241-243.	0.5	3
274	Hot Extrusion of Nanostructured Al Alloy Powder: Extrusion Ratio and Temperature Effect on the Microstructure and Mechanical Properties. Materials Science Forum, 0, 570, 91-96.	0.3	1
275	Processing and Simulation for Consolidation of Nanostructured Al-Cu Powder Alloys. Materials Science Forum, 0, 570, 97-102.	0.3	1
276	Milling and Consolidation by Hot Rolling of Al-Fe-Cr Alloy. Materials Science Forum, 0, 591-593, 258-263.	0.3	0
277	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
278	Overspray Powder Characterization of Fe-Based Glassy Alloy. Materials Science Forum, 0, 727-728, 468-475.	0.3	3
279	Atomization and Selective Laser Melting of a Cu-Al-Ni-Mn Shape Memory Alloy. Materials Science Forum, 0, 802, 343-348.	0.3	33
280	Rapid Solidification and Laser Cladding of Gas Atomized Ni-Nb-Sn Bulk Metallic Glass. Materials Science Forum, 0, 899, 311-316.	0.3	2
281	Microstructural Features of Sn-3.0Ag-0.7Cu Alloy Prepared by Conventional and Microwave Sintering. Materials Science Forum, 0, 899, 412-417.	0.3	1
282	Characterization of Atomized Powders and Extruded Samples of an Al-Si-Cu Alloy. Materials Science Forum, 0, 899, 442-447.	0.3	0
283	PROPRIEDADES DE ARMAZENAMENTO DE HIDROGÃŠNIO DO COMPOSITO MG-FE-CNT PREPARADO POR MOAGEM, EXTRUSÃƒO Ã€ QUENTE E LAMINAÃ‡ÃƒO Ã€ 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) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 _{86â€'89}B _{11â€'14} Amorphous Phase. SSRN Electronic Journal, 0, , .	0.4	0