

Claudio Shyinti Kiminami

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

280
papers

3,525
citations

30
h-index

40
g-index

291
ext. papers

4,034
ext. citations

3.3
avg, IF

5.45
L-index

#	Paper	IF	Citations
280	Phase equilibria of VCrMnFeCo high entropy alloys. <i>Journal of Alloys and Compounds</i> , 2022 , 903, 163950	5.7	1
279	A wear-resistant Al ₈₅ Cu ₆ Fe ₃ Cr ₆ spray-formed quasicrystalline composite. <i>Materialia</i> , 2022 , 101367	3.2	0
278	Processability of recycled quasicrystalline Al-Fe-Cr-Ti composites by selective laser melting - A statistical approach. <i>Materialia</i> , 2022 , 22, 101377	3.2	0
277	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	2.5	0
276	Mechanical properties and yield strength modeling of a medium entropy alloy containing L12 precipitates. <i>Journal of Alloys and Compounds</i> , 2021 , 898, 162923	5.7	0
275	Influence of thermomechanical post-treatment on the corrosion behavior of Ni ₅₇ Nb ₃₃ Zr ₅ Co ₅ bulk metallic glass. <i>Materials Letters</i> , 2021 , 288, 129350	3.3	2
274	Microstructure and Wear Behavior of High-Carbon Concentration CrCoNi Multi-principal Element Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2021 , 52, 3034	2.3	4
273	Additive manufacturing of a quasicrystal-forming Al ₉₅ Fe ₂ Cr ₂ Ti ₁ alloy with remarkable high-temperature strength and ductility. <i>Additive Manufacturing</i> , 2021 , 41, 101960	6.1	1
272	Challenges in optimizing the resistance to corrosion and wear of amorphous Fe-Cr-Nb-B alloy containing crystalline phases. <i>Journal of Non-Crystalline Solids</i> , 2021 , 555, 120537	3.9	11
271	Recent developments on fabrication of Al-matrix composites reinforced with quasicrystals: From metastable to conventional processing. <i>Journal of Materials Research</i> , 2021 , 36, 281-297	2.5	10
270	Hall-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, 061903	3.4	2
269	Design, phase equilibria, and coarsening kinetics of a new γ precipitation-hardened multi-principal element alloy. <i>Journal of Alloys and Compounds</i> , 2021 , 882, 160729	5.7	2
268	Strong and ductile recycled Al-7Si-3Cu-1Fe alloy: Controlling the morphology of quasicrystal approximant ϵ phase by Mn and V addition. <i>Journal of Alloys and Compounds</i> , 2021 , 888, 161508	5.7	2
267	Corrosion resistance of pseudo-high entropy Fe-containing amorphous alloys in chloride-rich media. <i>Journal of Alloys and Compounds</i> , 2021 , 884, 161090	5.7	4
266	Corrosion resistant and tough multi-principal element Cr-Co-Ni alloys. <i>Journal of Alloys and Compounds</i> , 2021 , 884, 161107	5.7	4
265	Processing a biocompatible Ti ₃₅ Nb ₃₅ Zr ₅ Ta alloy by selective laser melting. <i>Journal of Materials Research</i> , 2020 , 35, 1143-1153	2.5	12
264	Microstructure, phase formation and properties of rapid solidified Al ₃₀ Fe ₁₀ Cr ₁₀ Ti alloys. <i>Materials Science and Technology</i> , 2020 , 36, 1205-1214	1.5	2

263	Single step fabrication by spray forming of large volume Al-based composites reinforced with quasicrystals. <i>Scripta Materialia</i> , 2020 , 181, 86-91	5.6	15
262	Influence of Al Additions on the Microstructure and Mechanical Properties of a C and Si-Free High-Mn Steel. <i>Metals</i> , 2020 , 10, 352	2.3	1
261	Characterization, corrosion resistance and hardness of rapidly solidified NiNb alloys. <i>Journal of Alloys and Compounds</i> , 2020 , 829, 154529	5.7	6
260	Wear-resistant boride reinforced steel coatings produced by non-vacuum electron beam cladding. <i>Surface and Coatings Technology</i> , 2020 , 386, 125466	4.4	15
259	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	5.7	17
258	Designing new quasicrystalline compositions in Al-based alloys. <i>Journal of Alloys and Compounds</i> , 2020 , 823, 153765	5.7	11
257	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	5.7	7
256	Outstanding Tensile Ductility in High Iron-Containing Al-Si-Cu Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020 , 51, 2703-2710	2.3	5
255	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	5.7	8
254	Comparison of CuAlNiMnZr shape memory alloy prepared by selective laser melting and conventional powder metallurgy. <i>Transactions of Nonferrous Metals Society of China</i> , 2020 , 30, 3322-3332	3.3	0
253	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	2.5	14
252	Ultrafine eutectic coatings from Fe-Nb-B powder using laser cladding. <i>Materials Characterization</i> , 2020 , 160, 110080	3.9	8
251	Oligocrystalline microstructure in an additively manufactured biocompatible Ti-Nb-Zr-Ta alloy. <i>Materials Letters</i> , 2020 , 262, 127149	3.3	5
250	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	6.7	9
249	Functionally graded aluminum reinforced with quasicrystal approximant phases Improving the wear resistance at high temperatures. <i>Wear</i> , 2020 , 462-463, 203507	3.5	2
248	New compositions of Fe _{100-x} Nb _x BMG with wide supercooled liquid range, over 100 K. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 9174-9181	5.5	5
247	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	5.6	11
246	Formation and stability of complex metallic phases including quasicrystals explored through combinatorial methods. <i>Scientific Reports</i> , 2019 , 9, 7136	4.9	14

245	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}) ₈₆₋₈₉ B ₁₁₋₁₄ amorphous phase. <i>Acta Materialia</i> , 2019 , 170, 50-61	8.4	25
244	Consolidation of Fe-Based Metallic Glass Powders by Hot Pressing. <i>Materials Research</i> , 2019 , 22,	1.5	3
243	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	3.2	11
242	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	5.5	9
241	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	5.7	1
240	Fabrication of Al-matrix composite reinforced with quasicrystals using conventional metallurgical fabrication methods. <i>Scripta Materialia</i> , 2019 , 173, 21-25	5.6	20
239	Tailoring the microstructure of recycled 319 aluminum alloy aiming at high ductility. <i>Journal of Materials Research and Technology</i> , 2019 , 8, 3539-3549	5.5	5
238	Wear Resistance of Boron-Modified Supermartensitic Stainless Steel Coatings Produced by High-Velocity Oxygen Fuel Process. <i>Journal of Thermal Spray Technology</i> , 2019 , 28, 2003-2014	2.5	9
237	Corrosion and wear properties of FeCrMnCoSi HVOF coatings. <i>Surface and Coatings Technology</i> , 2019 , 357, 993-1003	4.4	31
236	Wear Resistant Duplex Stainless Steels Produced by Spray Forming. <i>Metals and Materials International</i> , 2019 , 25, 456-464	2.4	11
235	Effect of boron addition on the solidification sequence and microstructure of AlCoCrFeNi alloys. <i>Journal of Alloys and Compounds</i> , 2019 , 775, 1235-1243	5.7	20
234	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	5.7	27
233	Resistance upset welding of Zr-based bulk metallic glasses. <i>Journal of Materials Processing Technology</i> , 2018 , 255, 760-764	5.3	8
232	Mechanical activation of TiFe for hydrogen storage by cold rolling under inert atmosphere. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 2913-2918	6.7	39
231	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	5.7	18
230	The Influence of Sintering Parameters in the Microstructure and Mechanical Properties of a Cu ₄₀ Al ₁₀ Ni ₁₀ Mn ₂₀ Zr ₁₀ Shape Memory Alloy. <i>Advanced Engineering Materials</i> , 2018 , 20, 1800372	3.5	8
229	Characterization and Corrosion Resistance of Boron-Containing-Austenitic Stainless Steels Produced by Rapid Solidification Techniques. <i>Materials</i> , 2018 , 11,	3.5	11
228	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	3.9	10

227	Synthesis of Ti-Nb alloys from elemental powders by high-energy ball milling and their hydrogenation features. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 18382-18391	6.7	7
226	Room temperature hydrogen absorption by Mg and Mg TiFe nanocomposites processed by high-energy ball milling. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 12251-12259	6.7	16
225	Production and Corrosion Resistance of Thermally Sprayed Fe-Based Amorphous Coatings from Mechanically Milled Feedstock Powders. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2018 , 49, 4860-4870	2.3	23
224	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	6.7	16
223	High Throughput Discovery and Design of Strong Multicomponent Metallic Solid Solutions. <i>Scientific Reports</i> , 2018 , 8, 8600	4.9	36
222	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	5.7	16
221	On the ternary eutectic reaction in the Fe ₆₀ Cr ₈ Nb ₈ B ₂₄ quaternary alloy. <i>Journal of Alloys and Compounds</i> , 2017 , 707, 281-286	5.7	2
220	Electrochemical Corrosion Behavior of Spray-Formed Boron-Modified Supermartensitic Stainless Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2017 , 48, 2077-2089	7.3	7
219	Hydrogen storage properties of 2Mg-Fe mixtures processed by hot extrusion at different temperatures. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 11493-11500	6.7	6
218	Experimental and thermodynamic investigation of the microstructural evolution of a boron-rich Fe-Cr-Nb-B alloy. <i>Journal of Alloys and Compounds</i> , 2017 , 713, 119-124	5.7	2
217	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	4.4	21
216	Thermodynamic Calculations for the Investigation of Phase Formation in Boron-Modified Ferritic Stainless Steel. <i>Journal of Phase Equilibria and Diffusion</i> , 2017 , 38, 343-349	1	6
215	Assessing technological developments in amorphous/glassy metallic alloys using patent indicators. <i>Journal of Alloys and Compounds</i> , 2017 , 716, 330-335	5.7	8
214	Microstructure and wear behavior of Fe-based amorphous HVOF coatings produced from commercial precursors. <i>Surface and Coatings Technology</i> , 2017 , 309, 938-944	4.4	64
213	Processing of MgH ₂ by extensive cold rolling under protective atmosphere. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 2201-2208	6.7	11
212	Rapid Solidification and Laser Cladding of Gas Atomized Ni-Nb-Sn Bulk Metallic Glass. <i>Materials Science Forum</i> , 2017 , 899, 311-316	0.4	2
211	Ultrafine-Grained Ti-13Nb-13Zr Alloy Produced by Severe Plastic Deformation. <i>Materials Research</i> , 2017 , 20, 404-410	1.5	6
210	Characterization of Atomized Powders and Extruded Samples of an Al-Si-Cu Alloy. <i>Materials Science Forum</i> , 2017 , 899, 442-447	0.4	

209	Microstructural Evolution and Mechanical Properties of Ni ₅₇ Nb ₃₃ Zr ₅ Co ₅ Metallic Glass. <i>Materials Research</i> , 2017 , 20, 244-247	1.5	2
208	Thermal Spraying Processes and Amorphous Alloys: Macro-Indicators of Patent Activity. <i>Materials Research</i> , 2017 , 20, 89-95	1.5	1
207	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	1.5	7
206	An assessment of microstructure and properties of laser clad coatings of ultrafine eutectic Ti-Fe-Nb-Sn composite for implants. <i>Surface and Coatings Technology</i> , 2017 , 328, 161-171	4.4	4
205	On the valence electron theory to estimate the transformation temperatures of Cu-Al-based shape memory alloys. <i>Journal of Materials Research</i> , 2017 , 32, 3165-3174	2.5	7
204	Effect of Co additions on the phase formation, thermal stability, and mechanical properties of rapidly solidified Ti-Cu-based alloys. <i>Journal of Materials Research</i> , 2017 , 32, 2578-2584	2.5	2
203	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	6.7	13
202	Insight into the complex ternary phase behavior in Al-Mn-Ce alloys. <i>Journal of Alloys and Compounds</i> , 2017 , 727, 460-468	5.7	9
201	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	14
200	Microstructural Features of Sn-3.0Ag-0.7Cu Alloy Prepared by Conventional and Microwave Sintering. <i>Materials Science Forum</i> , 2017 , 899, 412-417	0.4	1
199	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	5.7	8
198	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	4.4	17
197	Laser Cladding of Fe-based Metallic Glass/MoS ₂ Self-lubricating Composites: Effect of Power and Scanning Speed. <i>Materials Research</i> , 2017 , 20, 836-841	1.5	2
196	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	6.7	11
195	Microstructural investigation of FeCrNbB amorphous/nanocrystalline coating produced by HVOF. <i>Materials and Design</i> , 2016 , 111, 608-615	8.1	28
194	Assessment of phase constitution on the Al-rich region of rapidly solidified Al-Co-Fe-Cr alloys. <i>Materials Characterization</i> , 2016 , 122, 76-82	3.9	4
193	Ferromagnetic Nanocrystalline Coatings over Steel through Laser Cladding of Fe and Ni-based Glass Former Alloys 2016 , 235-236		
192	Wear resistant coatings of boron-modified stainless steels deposited by Plasma Transferred Arc. <i>Surface and Coatings Technology</i> , 2016 , 302, 255-264	4.4	29

191	Severely deformed ZK60+2.5% Mm alloy for hydrogen storage produced by two different processing routes. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 11284-11292	6.7	21
190	Hydrogen storage in heavily deformed ZK60 alloy modified with 2.5wt.% Mm addition. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 4177-4184	6.7	16
189	Enhancement of Mechanical Properties of Aluminum and 2124 Aluminum Alloy by the Addition of Quasicrystalline Phases. <i>Materials Research</i> , 2016 , 19, 74-79	1.5	20
188	The Effect of Cr Content on the Glass Forming Ability of Fe68-xCr _x Nb8B24 (x =8,10,12) Alloys. <i>Materials Research</i> , 2016 , 19, 92-96	1.5	3
187	Microstructure formation and abrasive wear resistance of a boron-modified superduplex stainless steel produced by spray forming. <i>Journal of Materials Research</i> , 2016 , 31, 2987-2993	2.5	8
186	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	5.3	24
185	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	5.3	29
184	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	5.7	16
183	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	6.1	61
182	Corrosion resistance of Fe-Cr-based amorphous alloys: An overview. <i>Journal of Non-Crystalline Solids</i> , 2016 , 442, 56-66	3.9	109
181	Design and production of Al-Mn-Ce alloys with tailored properties. <i>Materials and Design</i> , 2016 , 110, 436-448	8.4	10
180	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	8.1	30
179	Reassessment of the effects of Ce on quasicrystal formation and microstructural evolution in rapidly solidified AlMn alloys. <i>Acta Materialia</i> , 2015 , 98, 221-228	8.4	33
178	Design of wear resistant boron-modified supermartensitic stainless steel by spray forming process. <i>Materials and Design</i> , 2015 , 83, 214-223	8.1	29
177	Thermodynamic analysis of the effect of annealing on the thermal stability of a CuAlNiMn shape memory alloy. <i>Thermochimica Acta</i> , 2015 , 608, 1-6	2.9	25
176	The effect of oxygen on the microstructural evolution in crystallized Cu ₂ ZrAl metallic glasses. <i>Intermetallics</i> , 2015 , 65, 51-55	3.5	2
175	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	1.5	27
174	Crystallization Behavior of Amorphous Ti51.1Cu38.9Ni10.0 Alloy. <i>Materials Research</i> , 2015 , 18, 104-108	1.5	3

173	Corrosion properties of Fe ₄₀ Cr ₁₀ Ni ₁₀ B ₂₀ amorphous alloys and coatings. <i>Surface and Coatings Technology</i> , 2014 , 254, 238-243	4.4	42
172	The role of yttrium and oxygen on the crystallization behavior of a Cu ₄₀ Zr ₄₀ Al metallic glass. <i>Journal of Non-Crystalline Solids</i> , 2014 , 406, 79-87	3.9	11
171	Formation of Fe-based glassy matrix composite coatings by laser processing. <i>Surface and Coatings Technology</i> , 2014 , 240, 336-343	4.4	39
170	Spray forming of Cu ₄₀ 1.85Al ₁₀ 2.2Ni ₁₀ Mn (wt%) shape memory alloy. <i>Journal of Alloys and Compounds</i> , 2014 , 615, S602-S606	5.7	27
169	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	5.7	36
168	Hydrogen storage properties of 2MgBe after the combined processes of hot extrusion and cold rolling. <i>Journal of Alloys and Compounds</i> , 2014 , 586, S409-S412	5.7	12
167	Atomization and Selective Laser Melting of a Cu-Al-Ni-Mn Shape Memory Alloy. <i>Materials Science Forum</i> , 2014 , 802, 343-348	0.4	25
166	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	6.7	49
165	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	5.5	21
164	Corrosion resistance of Fe-based amorphous alloys. <i>Journal of Alloys and Compounds</i> , 2014 , 586, S105-S110	5.9	65
163	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*. <i>HTM - Journal of Heat Treatment and Materials</i> , 2014 , 69, 312-321	0.7	1
162	Microstructure evolution and mechanical properties of Al ₇₀ Zn ₁₀ Mg ₁₀ Cu alloy reprocessed by spray-forming and heat treated at peak aged condition. <i>Journal of Alloys and Compounds</i> , 2013 , 579, 169-173	5.7	56
161	Comparative study between two die cast methods for processing Cu ₄₀ Zr ₄₀ Al bulk metallic glasses. <i>Journal of Materials Research and Technology</i> , 2013 , 2, 125-129	5.5	6
160	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	3.5	22
159	Nanoquasicrystalline Al ₆₀ Be ₁₀ Cr ₁₀ Ni ₁₀ B ₁₀ alloys produced by powder metallurgy. <i>Journal of Alloys and Compounds</i> , 2013 , 577, 650-657	5.7	20
158	Comparative study of nanoindentation on melt-spun ribbon and bulk metallic glass with Ni ₆₀ Nb ₃₇ B ₃ composition. <i>Journal of Materials Research</i> , 2013 , 28, 2740-2746	2.5	7
157	Corrosion resistance and glass forming ability of Fe ₄₇ Co ₇ Cr ₁₅ M ₉ Si ₅ B ₁₅ Y ₂ (M=Mo, Nb) amorphous alloys. <i>Materials Research</i> , 2013 , 16, 1294-1298	1.5	4
156	Microstructure and wear resistance of spray-formed supermartensitic stainless steel. <i>Materials Research</i> , 2013 , 16, 642-646	1.5	14

155	Formation and microstructure of Ni _{62-x} Nb ₃₈ Ti _x (x = 3, 6, 10 at.%) bulk metallic glasses. <i>International Journal of Materials Research</i> , 2012 , 103, 1096-1101	0.5	5
154	Hydrogen storage properties of 2MgBe mixtures processed by hot extrusion: Influence of the extrusion ratio. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 15196-15203	6.7	5
153	Rapid solidification of an Al-5Ni alloy processed by spray forming. <i>Materials Research</i> , 2012 , 15, 779-785	1.5	7
152	Microstructural characterization of Ti-6Al-7Nb alloy after severe plastic deformation. <i>Materials Research</i> , 2012 , 15, 786-791	1.5	12
151	Microstructural evolution of Ti-6Al-7Nb alloy during high pressure torsion. <i>Materials Research</i> , 2012 , 15, 792-795	1.5	3
150	Selection of compositions with high glass forming ability in the Ni-Nb-B alloy system. <i>Materials Research</i> , 2012 , 15, 718-722	1.5	
149	Stability of an amorphous alloy of the Mm-Al-Ni-Cu system. <i>Materials Research</i> , 2012 , 15, 757-762	1.5	2
148	New Zr-based glass-forming alloys containing Gd and Sm. <i>Materials Research</i> , 2012 , 15, 723-727	1.5	1
147	Consolidation of the Cu ₄₆ Zr ₄₂ Al ₇ Y ₅ amorphous ribbons and powder alloy by hot extrusion. <i>Materials Research</i> , 2012 , 15, 728-738	1.5	1
146	Overspray Powder Characterization of Fe-Based Glassy Alloy. <i>Materials Science Forum</i> , 2012 , 727-728, 468-475	0.4	1
145	2MgBe 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	5.7	19
144	2MgBe and 2MgBe+5%C mixtures processed by hot extrusion: Influence of carbon on hydrogen sorption properties. <i>Journal of Alloys and Compounds</i> , 2011 , 509, S464-S467	5.7	6
143	Ordered phases and texture in spray-formed Fe ₅₀ wt%Si. <i>Journal of Alloys and Compounds</i> , 2011 , 509, S260-S264	5.7	16
142	Predicting glass-forming compositions in the Al _{100-x} and Al _{100-x} Ni systems. <i>Journal of Alloys and Compounds</i> , 2011 , 509, S170-S174	5.7	6
141	Topological instability and glass forming ability of Al _{100-x} Ni _x alloys. <i>Journal of Alloys and Compounds</i> , 2011 , 509, S141-S144	5.7	9
140	Nanostructured MgH ₂ prepared by cold rolling and cold forging. <i>Journal of Alloys and Compounds</i> , 2011 , 509, S444-S448	5.7	47
139	Amorphous phase formation by spray forming of alloys [(Fe _{0.6} Co _{0.4}) _{0.75} B _{0.2} Si _{0.05}] ₉₆ Nb ₄ and Fe ₆₆ B ₃₀ Nb ₄ modified with Ti. <i>Journal of Alloys and Compounds</i> , 2011 , 509, S148-S154	5.7	9
138	Microstructural characterization of high-silicon iron alloys produced by spray forming and co-injection of Si particles. <i>Journal of Alloys and Compounds</i> , 2011 , 509, S254-S259	5.7	7

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131	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	3.9	11
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126	Microstructural characterization of spray formed Fe ₆₆ B ₃₀ Nb ₄ alloy. <i>Journal of Alloys and Compounds</i> , 2010 , 495, 417-419	5.7	3
125	Microstructure and mechanical properties of Al ₅₁ Si ₁₀ Mg ribbons. <i>Journal of Alloys and Compounds</i> , 2010 , 495, 386-390	5.7	17
124	Microstructural characterization and hydrogenation study of extruded MgFe alloy. <i>Journal of Alloys and Compounds</i> , 2010 , 504, S299-S301	5.7	16
123	Nanoscale Grain Refinement and H-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	70
122	Processing of glass former alloys by spray forming. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2010 , 41, 513-523	0.9	8
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51	Milling and Hot Consolidation of Al-Fe-Nb Alloy. <i>Materials Science Forum</i> , 2003 , 416-418, 287-292	0.4	2
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43	Formation of Novel Microstructures by Spray Deposition Process. <i>Materials Science Forum</i> , 2002 , 403, 45-50	0.4	
42	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	0.2	
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20	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	0.2	
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