

Livio Battezzati

List of Publications by Year in descending order

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158
papers

3,294
citations

172457

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168
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168
docs citations

168
times ranked

2252
citing authors

#	ARTICLE	IF	CITATIONS
1	Resistometric and calorimetric analysis of phase transformations in AuCu alloys. <i>International Journal of Materials Research</i> , 2022, 94, 449-452.	0.3	0
2	Breaking Down SERS Detection Limit: Engineering of a Nanoporous Platform for High Sensing and Technology. <i>Nanomaterials</i> , 2022, 12, 1737.	4.1	2
3	Residual stresses in additively manufactured AlSi10Mg: Raman spectroscopy and X-ray diffraction analysis. <i>Materials and Design</i> , 2021, 202, 109550.	7.0	31
4	Alloying AlSi10Mg and Cu powders in laser Single Scan Tracks, melt spinning, and Laser Powder Bed Fusion. <i>Journal of Alloys and Compounds</i> , 2020, 821, 153538.	5.5	14
5	Processing a Fe67Mo4.5Cr2.3Al2Si3C7P8.7B5.5 metallic glass: Experimental and computed TTT and CCT curves. <i>Journal of Alloys and Compounds</i> , 2020, 843, 156061.	5.5	7
6	Banded microstructures in rapidly solidified Al-3 wt% Er. <i>Intermetallics</i> , 2020, 119, 106724.	3.9	9
7	Electrodeposited platinum on de-alloyed nanoporous gold with enhanced electro-catalytic performance. <i>Applied Surface Science</i> , 2019, 476, 412-417.	6.1	18
8	A time-saving and cost-effective method to process alloys by Laser Powder Bed Fusion. <i>Materials and Design</i> , 2019, 181, 107949.	7.0	37
9	Banded regular/anomalous eutectic in rapidly solidified Co-61.8 at.% Si. <i>Scripta Materialia</i> , 2019, 168, 100-103.	5.2	5
10	Functionalized nanoporous gold as a new biosensor platform for ultra-low quantitative detection of human serum albumin. <i>Sensors and Actuators B: Chemical</i> , 2019, 288, 460-468.	7.8	21
11	Nanoporous gold chemically de-alloyed from Au-based amorphous thin film for electrochemical nonenzymatic H ₂ O ₂ sensing. <i>Chemical Physics Letters</i> , 2019, 723, 22-27.	2.6	10
12	Comparing selective corrosion of Au-based amorphous, partially amorphous, and devitrified alloys. <i>Journal of Alloys and Compounds</i> , 2018, 745, 212-216.	5.5	6
13	A comparison of Selective Laser Melting with bulk rapid solidification of AlSi10Mg alloy. <i>Journal of Alloys and Compounds</i> , 2018, 742, 271-279.	5.5	123
14	Amorphous molybdenum sulphide @ nanoporous gold as catalyst for hydrogen evolution reaction in acidic environment. <i>Journal of Materials Science</i> , 2018, 53, 12388-12398.	3.7	17
15	Microstructure and electrochemical properties of nanoporous gold produced by dealloying Au-based thin film nanoglass. <i>Journal of Materials Research</i> , 2018, 33, 2661-2670.	2.6	8
16	Shape controlled gold nanostructures on de-alloyed nanoporous gold with excellent SERS performance. <i>Chemical Physics Letters</i> , 2018, 709, 46-51.	2.6	23
17	Improving the chemical de-alloying of amorphous Au alloys. <i>Corrosion Science</i> , 2017, 127, 141-146.	6.6	23
18	High performance SERS on nanoporous gold substrates synthesized by chemical de-alloying a Au-based metallic glass. <i>Applied Surface Science</i> , 2017, 426, 1113-1120.	6.1	26

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19	The mechanism of generating nanoporous Au by de-alloying amorphous alloys. <i>Acta Materialia</i> , 2016, 119, 177-183.	7.9	44
20	Excellent surface enhanced Raman scattering obtained with nanoporous gold fabricated by chemical de-alloying. <i>Chemical Physics Letters</i> , 2016, 665, 6-9.	2.6	26
21	Partially and fully de-alloyed glassy ribbons based on Au: Application in methanol electro-oxidation studies. <i>Journal of Alloys and Compounds</i> , 2016, 667, 302-309.	5.5	20
22	Thermodynamics and fragility of Fe-based glass forming melts. <i>Journal of Non-Crystalline Solids</i> , 2016, 433, 103-108.	3.1	8
23	Thermophysical properties of some Ni-based superalloys in the liquid state relevant for solidification processing. <i>Journal of Materials Science</i> , 2016, 51, 1680-1691.	3.7	15
24	Influence of current annealing on the magnetic properties of amorphous and crystalline soft thin films. , 2015, , .		0
25	A comparison of de-alloying crystalline and amorphous multicomponent Au alloys. <i>Intermetallics</i> , 2015, 66, 82-87.	3.9	34
26	Metastable microstructures containing zero valent iron for fast degradation of azo dyes. <i>Journal of Materials Science</i> , 2015, 50, 5238-5243.	3.7	22
27	Nanoporous gold obtained from a metallic glass precursor used as substrate for surface-enhanced Raman scattering. <i>Philosophical Magazine Letters</i> , 2015, 95, 474-482.	1.2	22
28	Formation, Time-“Temperature” Transformation curves and magnetic properties of FeCoNbSiBP metallic glasses. <i>Journal of Alloys and Compounds</i> , 2015, 619, 437-442.	5.5	3
29	Synthesis of nanoporous gold by free corrosion of an amorphous precursor. <i>Journal of Alloys and Compounds</i> , 2014, 615, S142-S147.	5.5	37
30	Nanoporous gold by dealloying of an amorphous precursor. <i>Journal of Alloys and Compounds</i> , 2014, 586, S117-S120.	5.5	36
31	Thermodynamics and fragility of glass-forming alloys. <i>Journal of Alloys and Compounds</i> , 2014, 586, S9-S13.	5.5	8
32	Ion release and tarnishing behavior of Au and Pd based amorphous alloys in artificial sweat. <i>Corrosion Science</i> , 2013, 77, 135-142.	6.6	6
33	Assessment of the ternary Fe-“Si”-B phase diagram. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2013, 43, 40-47.	1.6	33
34	Thermodynamics of the Au ₄₉ Ag _{5.5} Pd _{2.3} Cu _{26.9} Si _{16.3} glass-forming alloy. <i>Journal of Non-Crystalline Solids</i> , 2013, 382, 95-98.	3.1	9
35	Thermodynamic and dynamic fragility in metallic glass-formers. <i>Acta Materialia</i> , 2013, 61, 2260-2267.	7.9	33
36	Ductility and toughness of cold-rolled metallic glasses. <i>Intermetallics</i> , 2013, 33, 38-43.	3.9	7

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37	De-alloying kinetics of an Au-based amorphous alloys. Journal of Alloys and Compounds, 2012, 536, S60-S64.	5.5	32
38	Thermophysical Properties of a Fe-Cr-Mo Alloy in the Solid and Liquid Phase. Steel Research International, 2012, 83, 43-54.	1.8	6
39	De-alloying of rapidly solidified amorphous and crystalline alloys. Journal of Alloys and Compounds, 2011, 509, S8-S12.	5.5	25
40	Role of crystalline precipitates on the mechanical properties of (Cu _{0.50} Zr _{0.50}) _{100-x} Al _x (x=4, 5, 7) bulk metallic glasses. Journal of Alloys and Compounds, 2011, 509, S99-S104.	5.5	22
41	Phase constitution and glass formation in an Au-based alloy. Journal of Alloys and Compounds, 2011, 509, S166-S169.	5.5	11
42	Constrained deformation of an Al based amorphous alloy by cold rolling. Journal of Alloys and Compounds, 2011, 509, S275-S278.	5.5	7
43	An entropy driven phase transformation in a Au _{43.3} Cu _{31.8} Al _{24.9} shape-memory alloy. Intermetallics, 2011, 19, 1978-1982.	3.9	4
44	Fracture Behavior in Cu _{46.5} Zr _{46.5} Al ₇ and Cu _{46.5} Zr _{41.5} Al ₇ Y ₅ Bulk Metallic Glasses. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2010, 41, 1767-1774.	2.2	4
45	Interfacial properties of immiscible Co-Cu alloys. Journal of Materials Science, 2010, 45, 1979-1985.	3.7	20
46	XPS study of gold-based metallic glass. Surface and Interface Analysis, 2010, 42, 597-600.	1.8	8
47	Dealloying of an Au-based amorphous alloy. Intermetallics, 2010, 18, 2338-2342.	3.9	31
48	Thermal analysis, fragility and viscosity of Au-based metallic glasses. Journal of Non-Crystalline Solids, 2010, 356, 2218-2222.	3.1	21
49	Thermodynamic, transport and mechanical properties of amorphous metallic alloys: Relation to the glass transition. Journal of Alloys and Compounds, 2010, 495, 294-298.	5.5	10
50	Relationship between thermophysical and mechanical properties of metallic glasses. Journal of Alloys and Compounds, 2010, 504, S48-S51.	5.5	10
51	Thermodynamic assessment of the Hf-La-Ni system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2009, 33, 162-169.	1.6	20
52	Thermodynamic and ab initio investigation of the Cu-Dy system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2009, 33, 511-516.	1.6	8
53	Thermodynamic properties of the Pd _{77.5} Cu ₆ Si _{16.5} undercooled liquid. Journal of Alloys and Compounds, 2009, 483, 54-56.	5.5	20
54	On thermophysical and mechanical properties of glass-forming alloys. Journal of Alloys and Compounds, 2009, 483, 222-226.	5.5	8

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55	Mechanical behaviour of metallic glasses related to thermal properties. Journal of Physics: Conference Series, 2009, 144, 012088.	0.4	3
56	Effect of minor elements addition on glass formation and properties of gold alloys. Journal of Physics: Conference Series, 2009, 144, 012039.	0.4	6
57	Microstructures in laser welded high strength steels. Journal of Physics: Conference Series, 2009, 144, 012005.	0.4	9
58	The 13th International Conference on Rapidly Quenched and Metastable Materials. Journal of Physics: Conference Series, 2009, 144, 011001.	0.4	1
59	The liquid metastable miscibility gap in the Cu-Co-Fe system. Journal of Materials Science, 2008, 43, 3253-3258.	3.7	23
60	Quantitative evaluation of lengthscales for temperature rise in shear bands and for failure of metallic glasses. Scripta Materialia, 2008, 59, 223-226.	5.2	16
61	Thermodynamics and kinetics of metallic amorphous phases in the framework of the CALPHAD approach. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2008, 32, 295-314.	1.6	41
62	Thermophysical properties of materials. Europhysics News, 2008, 39, 19-21.	0.3	4
63	Microstructure of slow-cooled wedge-cast Cu ₅₈ Co ₄₂ alloy with a metastable liquid miscibility gap. , 2008, , 437-438.		0
64	Multicomponent phase selection theory and microsegregation of AISI 304 type austenitic stainless steels. International Journal of Cast Metals Research, 2007, 20, 136-139.	1.0	0
65	AN ANALYSIS OF THERMOPHYSICAL AND MECHANICAL PROPERTIES OF GLASS-FORMING ALLOYS. Materials Research Society Symposia Proceedings, 2007, 1048, 8.	0.1	1
66	On the glass transition in metallic melts. Journal of Non-Crystalline Solids, 2007, 353, 3318-3326.	3.1	22
67	A shape memory gold alloy processed by rapid solidification. Journal of Alloys and Compounds, 2007, 434-435, 264-267.	5.5	19
68	Microhardness and devitrification studies of Al-TM-RE alloys. Journal of Alloys and Compounds, 2007, 434-435, 36-39.	5.5	12
69	A study of the $\gamma \rightarrow \alpha'$ transformation in pure iron: rate variations revealed by means of thermal analysis. Philosophical Magazine, 2007, 87, 1601-1618.	1.6	9
70	Engraving of a Pd _{77.5} Cu ₆ Si _{16.5} Bulk Metallic Glass. Advanced Engineering Materials, 2007, 9, 509-511.	3.5	10
71	Thermodynamics and mechanism of demixing in undercooled Cu-Co-Ni alloys. Acta Materialia, 2007, 55, 6642-6650.	7.9	47
72	Microstructures in rapidly solidified AISI 304 interpreted according to phase selection theory. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 449-451, 999-1002.	5.6	16

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73	Effect of cooling rate on the solidification of Cu ₅₈ Co ₄₂ . <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 449-451, 644-648.	5.6	29
74	Undercooling and demixing in rapidly solidified Cu-Co alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 449-451, 7-11.	5.6	21
75	The liquid metastable miscibility gap in Cu-based systems. <i>Fluid Phase Equilibria</i> , 2007, 256, 132-136.	2.5	37
76	Thermodynamic analysis of the stable and metastable Co-Cu and Co-Cu-Fe phase diagrams. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2006, 30, 171-178.	1.6	94
77	Undercooling and demixing of copper-based alloys. <i>Microgravity Science and Technology</i> , 2006, 18, 174-177.	1.4	12
78	Liquid-liquid phase separation and remixing in the Cu-Co system. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2006, 37, 2361-2368.	2.2	40
79	Multicomponent phase selection theory applied to high nitrogen and high manganese stainless steels. <i>Scripta Materialia</i> , 2006, 55, 839-842.	5.2	17
80	Is There a Link between Melt Fragility and Elastic Properties of Metallic Glasses?. <i>Materials Transactions</i> , 2005, 46, 2915-2919.	1.2	38
81	Non-stoichiometric cementite by rapid solidification of cast iron. <i>Acta Materialia</i> , 2005, 53, 1849-1856.	7.9	40
82	Measurement of thermophysical properties of liquid metallic alloys in a ground- and microgravity based research programme – the ThermoLab project. <i>Microgravity Science and Technology</i> , 2005, 16, 7-10.	1.4	7
83	Nucleation of crystals in deeply undercooled alloy melts. <i>Journal of Materials Science</i> , 2005, 40, 2431-2435.	3.7	10
84	Rapid Solidification of Au Alloys. <i>Journal of Metastable and Nanocrystalline Materials</i> , 2005, 24-25, 37-42.	0.1	6
85	Al-Rare Earth-Transition Metal Alloys: Fragility of Melts and Resistance to Crystallization. , 2005, , 267-278.		1
86	Crystallization behaviour of Al ₈₇ Ni ₇ La ₆ and Al ₈₇ Ni ₇ Sm ₆ amorphous alloys. <i>Scripta Materialia</i> , 2004, 50, 839-843.	5.2	35
87	Devitrification of Al-Ni-Rare earth amorphous alloys. <i>Journal of Materials Science</i> , 2004, 39, 3927-3934.	3.7	18
88	Mechanical properties of Al-based amorphous/nanocrystalline alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 375-377, 969-974.	5.6	9
89	Interplay of process kinetics in the undercooled melt in the proximity of the glass transition. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 375-377, 60-65.	5.6	20
90	The difference in devitrification paths in Al ₈₇ Ni ₇ Sm ₆ and Al ₈₇ Ni ₇ La ₆ amorphous alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 375-377, 927-931.	5.6	21

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91	A comparative study of primary Al precipitation in amorphous Al ₈₇ Ni ₇ La ₅ Zr by means of WAXS, SAXS, TEM and DSC techniques. <i>Acta Materialia</i> , 2004, 52, 5031-5041.	7.9	24
92	Hardening phases in some Ni-free 14 carat white gold alloys. <i>Intermetallics</i> , 2004, 12, 327-332.	3.9	3
93	Thermodynamic analysis and assessment of the Ce-Ni system. <i>Intermetallics</i> , 2004, 12, 1367-1372.	3.9	29
94	Mechanical properties of Al based amorphous and devitrified alloys containing different rare earth elements. <i>Journal of Non-Crystalline Solids</i> , 2004, 344, 94-100.	3.1	13
95	Rapid solidification of alloys. <i>International Journal of Materials and Product Technology</i> , 2004, 20, 358.	0.2	8
96	Amorphisation and Devitrification of Al-Transition Metal- Rare Earth Alloys. <i>Materials Research Society Symposia Proceedings</i> , 2003, 806, 83.	0.1	0
97	Resistometric and Calorimetric Analysis of Phase Transformations in AuCu Alloys. <i>International Journal of Materials Research</i> , 2003, 94, 449-452.	0.8	4
98	Solidification experiments for the study of phase selection in cast iron. <i>International Journal of Cast Metals Research</i> , 2003, 16, 125-129.	1.0	3
99	Phase Transformations in Al ₈₇ Ni ₇ Ce ₆ and Al ₈₇ Ni ₇ Nd ₆ Amorphous Alloys. <i>Materials Transactions</i> , 2002, 43, 2593-2599.	1.2	24
100	Nucleation and growth of crystals in a ZBLyAlPb glass. <i>Journal of Non-Crystalline Solids</i> , 2001, 289, 144-150.	3.1	6
101	“Big cube”-phase formation in Zr-based metallic glasses. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001, 304-306, 305-310.	5.6	40
102	Thermodynamic quantities in nucleation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001, 304-306, 103-107.	5.6	13
103	Phase selection in Al-TM-RE alloys: nanocrystalline Al versus intermetallics. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001, 304-306, 574-578.	5.6	36
104	Calorimetry of ordering and disordering in AuCu alloys. <i>Scripta Materialia</i> , 2001, 44, 2759-2764.	5.2	19
105	Microstructure and Thermal Stability of 'Nanocrystalline' Electrodeposited Au-Cu Alloys. <i>Materials Science Forum</i> , 2001, 360-362, 253-260.	0.3	5
106	Rheology of tellurite glasses. <i>Materials Research Bulletin</i> , 2000, 35, 2343-2351.	5.2	13
107	Calorimetry of Undercooled Metals and Alloys. <i>Materials Science Forum</i> , 2000, 329-330, 507-512.	0.3	2
108	Thermal effects due to tempering of austenite and martensite in austempered ductile irons. <i>Materials Science and Technology</i> , 1999, 15, 643-646.	1.6	9

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109	Thermodynamics of an Amorphous Alloy Studied by Drop Calorimetry and DSC. Materials Science Forum, 1999, 307, 37-42.	0.3	2
110	Solid state reactions in Al/Ni alternate foils induced by cold rolling and annealing. Acta Materialia, 1999, 47, 1901-1914.	7.9	102
111	A nanocrystalline fcc phase via devitrification of a Ni ₃₆ Fe ₃₂ Ta ₇ Si ₈ B ₁₇ amorphous alloy. Scripta Materialia, 1999, 11, 747-755.	0.5	6
112	Glass ceramics for optical amplifiers: rheological, thermal, and optical properties. Journal of Non-Crystalline Solids, 1999, 256-257, 170-175.	3.1	12
113	Crystals and nanocrystals in rapidly solidified Al _{1-x} Sm alloys. Scripta Materialia, 1998, 10, 767-776.	0.5	28
114	Thermodynamics of Homogeneous Crystal Nucleation in Al-RE Metallic Glasses. Materials Science Forum, 1998, 269-272, 553-558.	0.3	17
115	Thermodynamic Issues in Nanocrystalline Materials. Materials Science Forum, 1997, 235-238, 317-326.	0.3	3
116	Static mechanical characterization of a bulk amorphous and nanocrystalline Zr ₄₀ Ti ₁₄ Ni ₁₁ Cu ₁₀ Be ₂₅ alloy. Scripta Materialia, 1997, 8, 447-456.	0.5	36
117	Nucleation and growth of crystals in a ZBLAN glass. Journal of Non-Crystalline Solids, 1997, 213-214, 79-84.	3.1	5
118	Highly Refined Microstructures in Devitrified Alloys. Materials Research Society Symposia Proceedings, 1995, 400, 191.	0.1	8
119	The Crystallization of Al-Sm Amorphous Alloys. Materials Science Forum, 1995, 195, 111-116.	0.3	4
120	Ni _{1-x} Al intermetallics produced by cold-rolling elemental sheets. Intermetallics, 1995, 3, 67-71.	3.9	28
121	Calorimetric measurements on some undercooled metals and alloys. Journal of Alloys and Compounds, 1995, 220, 212-216.	5.5	20
122	Crystallization behaviour of Al _{1-x} Sm amorphous alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1994, 179-180, 600-604.	5.6	42
123	Thermodynamics of undercooled melts and metastable phase formation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1994, 178, 43-49.	5.6	16
124	Formation and stability of Al _{1-x} Nd and Al _{1-x} Nd _{1-y} Fe metallic glasses. Journal of Alloys and Compounds, 1994, 209, 341-349.	5.5	15
125	X-Ray absorption spectroscopy and diffraction study of miscible and immiscible binary metallic systems prepared by ball milling. Spectrochimica Acta Part A: Molecular Spectroscopy, 1993, 49, 1331-1344.	0.1	18
126	Structural and thermodynamic aspects of glass formation in Cu _{1-x} Ti _{1-y} H: role of hydrogen in mechanical alloying. Journal of Non-Crystalline Solids, 1993, 156-158, 527-531.	3.1	12

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127	Crystallization behaviour of fluorozirconate glasses. <i>Journal of Non-Crystalline Solids</i> , 1993, 161, 60-65.	3.1	8
128	On the influence of gaseous impurities in the amorphization reaction of some titanium-based alloys. <i>Journal of Alloys and Compounds</i> , 1993, 194, 311-317.	5.5	17
129	The effect of absorbed hydrogen on the amorphization of CuTi alloys. <i>Journal of Physics Condensed Matter</i> , 1992, 4, 5239-5248.	1.8	7
130	Evidence of chemical short-range order in amorphous CuTi alloys produced by mechanical alloying. <i>Journal of Physics Condensed Matter</i> , 1992, 4, 1635-1645.	1.8	13
131	Differential scanning calorimetry (DSC) studies of hydrogenated amorphous semiconductor alloys. <i>Physica B: Condensed Matter</i> , 1992, 176, 73-77.	2.7	14
132	Investigation on structural changes in amorphous tetrahedral alloys by means of differential scanning calorimetry. <i>Journal of Non-Crystalline Solids</i> , 1991, 137-138, 87-90.	3.1	16
133	The influence of hydrogen contamination on the amorphization reaction of CuTi alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1991, 134, 859-862.	5.6	16
134	Effects of temperature on structural properties of hydrogenated amorphous silicon-germanium and carbon-silicon-germanium alloys. <i>Journal of Applied Physics</i> , 1991, 69, 2029-2032.	2.5	9
135	Mechanical alloying of the Al-Ti system. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1990, 61, 473-486.	0.6	78
136	Thermodynamic aspects of metastable-phase formation. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1990, 61, 511-524.	0.6	24
137	The viscosity of liquid metals and alloys. <i>Acta Metallurgica</i> , 1989, 37, 1791-1802.	2.1	320
138	Some thermodynamic and kinetic aspects of icosahedral phase nucleation in Al-Mn. <i>Journal of Materials Science</i> , 1989, 24, 2324-2330.	3.7	21
139	X-ray diffraction study of the amorphization process by mechanical alloying of the Ni-Ti system. <i>Materials Science and Engineering</i> , 1988, 97, 43-46.	0.1	56
140	Quasicrystals and stable phases in Al ₈₁ Mn ₁₄ Si ₅ . <i>Scripta Metallurgica</i> , 1988, 22, 623-626.	1.2	6
141	Thermodynamics of Te ₈₀ Ge ₂₀ and Pb _x glass-forming alloys. <i>Journal of Materials Research</i> , 1988, 3, 570-575.	2.6	22
142	Thermodynamics of liquid alloys and glass formation. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1987, 56, 139-146.	0.6	21
143	Kinetics of formation and thermal stability of Fe-X-B metallic glasses. <i>Journal of Non-Crystalline Solids</i> , 1987, 89, 114-130.	3.1	42
144	Thermodynamics of the Gd _{63.2} Co _{36.8} glass-forming eutectic. <i>Scripta Metallurgica</i> , 1987, 21, 849-852.	1.2	7

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145	Structure and stability of rapidly solidified Al-Si based alloys. Journal of Materials Science Letters, 1986, 5, 586-588.	0.5	16
146	Enthalpic study of structural relaxation and crystallization in some metallic glasses. Journal of Thermal Analysis, 1985, 30, 1259-1266.	0.6	2
147	Thermodynamic quantities frozen-in upon vitrification of metallic alloys. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1985, 52, 1033-1045.	0.6	25
148	EFFECT OF QUENCHING RATE ON THE GLASS TRANSITION AND CRYSTALLIZATION TEMPERATURES OF Fe-B BASED METALLIC GLASSES++Work supported by CNR-Progetto Finalizzato Metallurgia, 1985, , 239-242.		2
149	Surface amorphous and crystalline structures in laser glazed Fe-Ni-P-B and Fe-Ni-Cr-P-B alloys. Journal of Materials Science Letters, 1984, 3, 141-144.	0.5	2
150	A DSC study of structural relaxation in metallic glasses prepared with different quenching rates. Journal of Non-Crystalline Solids, 1984, 61-62, 877-882.	3.1	31
151	Influence of preannealing on crystallization kinetics of some metallic glasses. Journal of Non-Crystalline Solids, 1981, 44, 287-295.	3.1	20
152	A statistical investigation of normal and abnormal grain growth in iron. Journal of Materials Science, 1980, 15, 1730-1735.	3.7	17
153	Kinetics of abnormal grain growth in pure iron. Journal of Materials Science, 1979, 14, 86-90.	3.7	41
154	A computer method to determine the kinetic law of solid-state reactions from DSC curves. Thermochimica Acta, 1978, 23, 213-222.	2.7	20
155	Etude calorimetrique et cinetique de la recristallisation du cuivre par analyse calorimetrique differentielle (DSC). Journal of Theoretical Biology, 1978, 14, 93-97.	1.7	7
156	Equilibrium conformation and surface motion of hydrocarbon molecules physisorbed on graphit. Journal of the Chemical Society, Faraday Transactions 2, 1975, 71, 1629.	1.1	76
157	A Contribution for a Better Understanding of the Automotive Friction Material Characteristics Connected to Problems Deriving from Disc-Scoring Phenomena. , 0, , .		7
158	The Solidification in the Presence of a Metastable Miscibility Gap: The Case of Co-Cu and Co-Cu-X Alloys. Materials Science Forum, 0, 649, 41-46.	0.3	2