Jm San Juan

List of Publications by Year
in descending order

168 papers	2,996 citations	159585 30 h-index	206112 48 g-index
170 all docs	170 docs citations	170 times ranked	1679 citing authors

#	Article	IF	Citations
1	Nanoscale shape-memory alloys for ultrahigh mechanical damping. Nature Nanotechnology, 2009, 4, 415-419.	31.5	235
2	Superelasticity and Shape Memory in Microâ€•and Nanometerâ€scale Pillars. Advanced Materials, 2008, 20, 272-278.	21.0	147
3	Influence of Al and Ni concentration on the Martensitic transformation in Cu-Al-Ni shape-memory alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2002, 33, 2581-2591.	2.2	120
4	Damping behavior during martensitic transformation in shape memory alloys. Journal of Alloys and Compounds, 2003, 355, 65-71.	5.5	100
5	Anelastic contributions and transformed volume fraction during thermoelastic martensitic transformations. Physical Review B, 1998, 57, 5684-5692.	3.2	92
6	Dependence of the martensitic transformation characteristics on concentration in Cuâ€"Alâ€"Ni shape memory alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1999, 273-275, 380-384.	5.6	90
7	Mechanical behavior and related microstructural aspects of a nano-lamellar TiAl alloy at elevated temperatures. Acta Materialia, 2017, 128, 440-450.	7.9	85
8	Structure of dislocations in Al and Fe as studied by positron-annihilation spectroscopy. Physical Review B, 1992, 45, 7017-7021.	3.2	77
9	Size effect and scaling power-law for superelasticity in shape-memory alloys at the nanoscale. Nature Nanotechnology, 2017, 12, 790-796.	31.5	70
10	Thermodynamics of thermally induced martensitic transformations in Cuâ€"Alâ€"Ni shape memory alloys. Acta Materialia, 2004, 52, 3941-3948.	7.9	65
11	Evolution of microstructure and thermomechanical properties during superelastic compression cycling in Cuâ€"Alâ€"Ni single crystals. Acta Materialia, 2007, 55, 4789-4798.	7.9	64
12	Martensite nucleation on dislocations in Cuâ€"Alâ€"Ni shape memory alloys. Applied Physics Letters, 2007, 90, 101907.	3.3	63
13	Superelastic cycling of Cuâ€"Alâ€"Ni shape memory alloy micropillars. Acta Materialia, 2012, 60, 4093-4106.	7.9	62
14	Advanced Shape Memory Alloys Processed by Powder Metallurgy. Advanced Engineering Materials, 2000, 2, 49-53.	3.5	55
15	Evolution of martensitic transformation in Cuâ€"Alâ€"Ni shape memory alloys during low-temperature aging. Journal of Materials Research, 1999, 14, 2806-2813.	2.6	48
16	High temperature Î² phase decomposition process in a Cuâ€"Alâ€"Ni shape memory alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 378, 238-242.	5.6	47
17	Determination of the next-nearest neighbor order in Î² phase in Cu-Al-Ni shape memory alloys. Applied Physics Letters, 2002, 81, 1794-1796.	3.3	46
18	Thermomechanical behavior at the nanoscale and size effects in shape memory alloys. Journal of Materials Research, 2011, 26, 2461-2469.	2.6	42

#	ARTICLE	IF	CITATIONS
19	Ordering temperatures in Cuâ€“Alâ€“Ni shape memory alloys. Applied Physics Letters, 1997, 70, 3513-3515.	3.3	41
20	Study of the stability and decomposition process of the Î² phase in Cuâ€“Alâ€“Ni shape memory alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 438-440, 734-737.	5.6	41
21	High-pressure torsion driven phase transformations in Cuâ€“Alâ€“Ni shape memory alloys. Acta Materialia, 2017, 125, 274-285.	7.9	41
22	Internal friction at medium temperature in high purity aluminium and its relation with the microstructureâ€"I. Acta Metallurgica, 1988, 36, 827-836.	2.1	40
23	Study by resonant ultrasound spectroscopy of the elastic constants of the Î² phase in Cuî—¸Alî—¸Ni shape memory alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 370, 488-491.	5.6	40
24	Internal friction at medium temperature in high purity aluminium and its relation with the microstructureâ€"II. Acta Metallurgica, 1988, 36, 837-845.	2.1	35
25	Panel discussion on the application of HDM. Journal of Alloys and Compounds, 2003, 355, 230-240.	5.5	34
26	High-temperature shape memory alloys based on the Cu-Al-Ni system: design and thermomechanical characterization. Journal of Materials Research and Technology, 2020, 9, 9972-9984.	5.8	34
27	High temperature internal friction in a Tiâ€“46Alâ€“1Moâ€“0.2Si intermetallic, comparison with creep behaviour. Acta Materialia, 2016, 103, 46-56.	7.9	33
28	Temperature memory effect in Cuâ€“Alâ€“Ni shape memory alloys studied by adiabatic calorimetry. Acta Materialia, 2008, 56, 3711-3722.	7.9	32
29	A new quantitative approach to the thermoelastic martensitic transformation: The density of elastic states. Acta Materialia, 2008, 56, 6283-6290.	7.9	32
30	Ultrahigh superelastic damping at the nano-scale: A robust phenomenon to improve smart MEMS devices. Acta Materialia, 2019, 166, 346-356.	7.9	30
31	High performance very low frequency forced pendulum. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 370, 435-439.	5.6	29
32	Quantitative analysis of Î´â€² precipitation kinetics in Alâ€“Li alloys. Acta Materialia, 2000, 48, 1283-1296.	7.9	28
33	5.4 Transitory Effects. Materials Science Forum, 2001, 366-368, 416-436.	0.3	28
34	Thermo-mechanical characterization of Cuâ€“Alâ€“Ni shape memory alloys elaborated by powder metallurgy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 438-440, 782-786.	5.6	28
35	1.2 Mechanical spectroscopy. Materials Science Forum, 2001, 366-368, 32-73.	0.3	27
36	Internal friction behaviour during martensitic transformation in shape memory alloys processed by powder metallurgy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 370, 492-496.	5.6	26

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37	â€œIn situâ€•and â€œPost-mortemâ€•TEM study of the super-elastic effect in Cuâ€“Alâ€“Ni shape memory alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 438-440, 787-790.	5.6	26
38	Precipitation of the stable phases in Cu-Al-Ni shape memory alloys. Scripta Materialia, 1996, 34, 255-260.	5.2	25
39	Quantitative analysis of stress-induced martensites by in situ transmission electron microscopy superelastic tests in Cuâ€“Alâ€“Ni shape memory alloys. Acta Materialia, 2010, 58, 6181-6193.	7.9	25
40	Long-term superelastic cycling at nano-scale in Cu-Al-Ni shape memory alloy micropillars. Applied Physics Letters, 2014, 104, 011901.	3.3	25
41	Atomic relaxation processes in an intermetallic Tiâ€“43Alâ€“4Nbâ€“1Moâ€“0.1B alloy studied by mechanical spectroscopy. Acta Materialia, 2014, 65, 338-350.	7.9	25
42	Thermal treatments and transformation behavior of Cuâ€“Alâ€“Be shape memory alloys. Journal of Alloys and Compounds, 2013, 577, S463-S467.	5.5	24
43	High-temperature phenomena in an advanced intermetallic nano-lamellar Î³-TiAl-based alloy. Part I: Internal friction and atomic relaxation processes. Acta Materialia, 2020, 200, 442-454.	7.9	23
44	Superelasticity and shape memory at nano-scale: Size effects on the martensitic transformation. Journal of Alloys and Compounds, 2013, 577, S25-S29.	5.5	21
45	Composites with ultra high damping capacity based on powder metallurgy shape memory alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 521-522, 363-367.	5.6	18
46	Evolution of phase transformation behavior and mechanical properties with crystallization in NiTi thin films. Scripta Materialia, 2010, 63, 16-19.	5.2	18
47	Ordering kinetics in Cuâ€“Alâ€“Ni shape memory alloys. Journal of Applied Physics, 1999, 86, 5467-5473.	2.5	17
48	Analysis of the internal friction spectra during martensitic transformation by a new temperature rate method. Journal of Alloys and Compounds, 2000, 310, 334-338.	5.5	17
49	Internal friction and atomic relaxation processes in an intermetallic Mo-rich Ti-44Al-7Mo (Î³+Î²o) model alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 700, 495-502.	5.6	17
50	Internal Friction at Medium Temperatures in High Purity Magnesium. Physica Status Solidi A, 1990, 120, 419-427.	1.7	16
51	Influence of thermo-mechanical processing on the microstructure of Cu-based shape memory alloys produced by powder metallurgy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 378, 263-268.	5.6	16
52	Influence of the matrix and of the thermal treatment on the martensitic transformation in metal matrix composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 481-482, 546-550.	5.6	16
53	The influence of partial cycling on the martensitic transformation kinetics in shape memory alloys. Intermetallics, 2009, 17, 749-752.	3.9	16
54	Determination of the order in Î³1 intermetallic phase in Cuâ€“Alâ€“Ni shape memory alloys. Intermetallics, 2003, 11, 927-930.	3.9	15

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55	Internal friction in a new kind of metal matrix composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 442, 429-432.	5.6	15
56	High-Temperature Mechanical Spectrometer for Internal Friction Measurements. Key Engineering Materials, 0, 423, 89-95.	0.4	15
57	Severe Plastic Deformation on Powder Metallurgy Cuâ€“Alâ€“Ni Shape Memory Alloys. Materials Today: Proceedings, 2015, 2, S747-S750.	1.8	15
58	Neutron diffraction analysis of the Î² decomposition process in a texture free Cuâ€“Alâ€“Ni shape memory alloy. Physica B: Condensed Matter, 2004, 350, E1007-E1009.	2.7	14
59	Thermodynamic study of the temperature memory effects in Cuâ€“Alâ€“Ni shape memory alloys. Journal of Applied Physics, 2010, 107, .	2.5	14
60	Atomic Species Associated with the Portevinâ€“Le Chatelier Effect in Superalloy 718 Studied by Mechanical Spectroscopy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 2057-2068.	2.2	14
61	Elastic properties of Cuâ€“Alâ€“Ni shape memory alloys studied by dynamic mechanical analysis. Smart Materials and Structures, 2010, 19, 015010.	3.5	13
62	High-temperature relaxation analysis in a fine-grain B2 FeAl intermetallic. Intermetallics, 2010, 18, 1348-1352.	3.9	13
63	Modal Analysis of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î²</mml:mi><mml:msub><mml:mrow><mml:mtext>â^’</mml:mtext><mml:mi>Ga</mml:mi> mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mo>:</mml:mo><mml:mi>Cr</mml:mi></mml:mrow> Widely Tunable Luminescent Optical Microcavities. Physical Review Applied, 2018, 9, .	3.8	13
64	Crystallographic structure of <i>S</i>â€² precipitates in Alâ€“Liâ€“Cuâ€“Mg alloys. Journal of Materials Research, 1997, 12, 577-580.	2.6	12
65	Quantitative Î´ Phase Analysis in Alâ€“Li Alloys using the Rietveld Method. Journal of Applied Crystallography, 1997, 30, 107-113.	4.5	12
66	The specific heat of Cuâ€“Alâ€“Ni shape memory alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 438-440, 779-781.	5.6	12
67	Internal friction in advanced Feâ€“Al intermetallics. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 442, 492-495.	5.6	12
68	High-temperature internal friction on TiAl intermetallics. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 370, 240-245.	5.6	11
69	A TEM study of martensite habit planes and orientation relationships in Cuâ€“Alâ€“Ni shape memory alloys using a fast Î”g-based method. Acta Materialia, 2009, 57, 1004-1014.	7.9	11
70	Surface acoustic waves and elastic constants of Cu14%Al4%Ni shape memory alloys studied by Brillouin light scattering. Journal Physics D: Applied Physics, 2011, 44, 455307.	2.8	11
71	Superelastic damping at nanoscale in ternary and quaternary Cu-based shape memory alloys. Journal of Alloys and Compounds, 2021, 883, 160865.	5.5	11
72	Internal friction in Feî—¸Mnî—¸Crî—¸Siî—¸Ni shape memory alloys. Journal of Alloys and Compounds, 1994, 211-212, 212-215.	5.5	10

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73	Mechanical spectroscopy measurements on SMA high-damping composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 521-522, 359-362.	5.6	10
74	Thermal history effects of Cuâ€“Alâ€“Ni shape memory alloys powder particles compared with single crystals behaviour. Intermetallics, 2010, 18, 2183-2190.	3.9	10
75	Mechanical Spectroscopy in Advanced TiAl-Nb-Mo Alloys at High Temperature. Materials Research Society Symposia Proceedings, 2011, 1295, 139.	0.1	10
76	The Influence of Thermal History on the Multistage Transformation of NiTi Shape-Memory Alloys. Metals, 2018, 8, 246.	2.3	10
77	Strain relaxation in Cu-Al-Ni shape memory alloys studied by in situ neutron diffraction experiments. Journal of Applied Physics, 2019, 125, 082536.	2.5	10
78	Interaction of Cuâ€“Alâ€“Ni shape memory alloys particles with molten In and In + Sn matrices. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 495, 304-309.	5.6	9
79	Kinetic effects in the mixed Î² to <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:msubsup><mml:mrow><mml:mi>Î²</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn> martensitic transformation in a Cuâ€“Alâ€“Ni shape. Acta Materialia, 2010, 58, 692-701.	7.9	9
80	Stress-assisted atomic diffusion in metastable austenite D03 phase of Cu-Al-Be shape memory alloys. Scripta Materialia, 2016, 124, 155-159.	5.2	9
81	Niâ€“Ti-Hf high-temperature shape memory alloy: Measure of the Clausius-Clapeyron coefficient through mechanical spectroscopy. Journal of Alloys and Compounds, 2021, 856, 157948.	5.5	9
82	Influence of Nb on Ti diffusion in Î³-TiAl intermetallics studied by mechanical spectroscopy. Journal of Alloys and Compounds, 2021, 867, 158880.	5.5	9
83	Internal friction and dynamic modulus in Ru-50Nb ultra-high temperature shape memory alloys. Applied Physics Letters, 2012, 101, .	3.3	8
84	Universal Scaling Law for the Size Effect on Superelasticity at the Nanoscale Promotes the Use of Shapeâ€Memory Alloys in Stretchable Devices. Advanced Electronic Materials, 2020, 6, 1900741.	5.1	8
85	Wide Dynamic Range Thermometer Based on Luminescent Optical Cavities in Ga₂O₃:Cr Nanowires. Small, 2022, 18, e2105355.	10.0	8
86	Transition between tangled and polygonized dislocation microstructures in high-purity aluminium studied by internal friction and electron microscopy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1989, 113, 281-285.	5.6	7
87	Dilatometric Study of the Precipitation Kinetics in Cu-Al-Ni Shape Memory Alloys. European Physical Journal Special Topics, 1997, 07, C5-329-C5-334.	0.2	7
88	CBED and LACBED: characterization of antiphase boundaries. Ultramicroscopy, 2003, 98, 9-26.	1.9	7
89	Martensitic phase transition in Cuâ€“14%Alâ€“4%Ni shape memory alloys studied by Brillouin light scattering. Smart Materials and Structures, 2013, 22, 085027.	3.5	7
90	Hydrogen Snoek-Koster relaxation in iron. Journal of Physics F: Metal Physics, 1987, 17, 837-848.	1.6	6

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91	Comportement hysteretique des pics moyennes temperatures dans l'aluminium. Scripta Metallurgica, 1987, 21, 213-217.	1.2	6
92	Structure and mobility of polygonized dislocation walls in high purity aluminium. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1993, 164, 153-158.	5.6	6
93	High-temperature internal friction in a Feâ€“38at.% Al intermetallic. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 521-522, 73-76.	5.6	6
94	Anomalous Behavior During Nanoâ€Compression Superelastic Tests on Cuâ€Alâ€Ni Shape Memory Alloy Micro Pillars. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1800340.	1.8	6
95	Stress induced Liâ€Li pairs reorientation in Alâ€Li alloys. Applied Physics Letters, 1995, 67, 1200-1202.	3.3	5
96	Study of the Î´ reversion process in 8090 alloys. Scripta Materialia, 1997, 37, 851-859.	5.2	5
97	Enthalpy of formation of the ternary Ï„â€² phase in the Alâ€“Cuâ€“Zn system. Journal of Alloys and Compounds, 2000, 308, 216-220.	5.5	5
98	In situ study of the Î² phase decomposition process in a Cu-Al-Ni shape memory alloy processed by powder metallurgy. European Physical Journal Special Topics, 2003, 112, 605-609.	0.2	5
99	Internal friction behavior in SiC particle reinforced 8090 Alâ€“Li metal matrix composite. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 370, 555-559.	5.6	5
100	AC calorimetric study of the thermoelastic martensitic transformation in Cuâ€“Alâ€“Ni alloys. Scripta Materialia, 2006, 54, 1199-1203.	5.2	5
101	Synthesis and characterization of Cuâ€“Alâ€“Ni shape memory alloy multilayer thin films. Thin Solid Films, 2013, 544, 588-592.	1.8	5
102	Internal friction associated with Îµ martensite in shape memory steels produced by casting route and through additive manufacturing: Influence of thermal cycling on the martensitic transformation. Journal of Alloys and Compounds, 2022, 919, 165806.	5.5	5
103	Experimental evidence of relaxation arising from the motion of geometrical kinks on screw dislocations in iron. Philosophical Magazine Letters, 1987, 56, 237-243.	1.2	4
104	Cu-Al-Ni-SMA-Based High-Damping Composites. Journal of Materials Engineering and Performance, 2009, 18, 459-462.	2.5	4
105	Functional Characterization of a Novel Shape Memory Alloy. Journal of Materials Engineering and Performance, 2014, 23, 2321-2326.	2.5	4
106	DISLOCATION MOTION IN PURE ALUMINIUM AT 0,5 Tf: ANALYSIS FROM INTERNAL FRICTION MEASUREMENTS. Journal De Physique Colloque, 1985, 46, C10-347-C10-350.	0.2	4
107	THE DISLOCATION-ENHACED SNOEK EFFECT (DESE) IN HIGH PURITY IRON DOPED WITH DIFFERENT AMOUNTS OF CARBON. Journal De Physique Colloque, 1987, 48, C8-185-C8-190.	0.2	4
108	Effect of Ageing on the Martensitic Transformation in a Monocrystalline Cu-Al-Ni Shape Memory Alloy. European Physical Journal Special Topics, 1995, 05, C2-175-C2-180.	0.2	3

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109	Analysis of the Intrinsic Anelastic Contribution During the Martensitic Transformation. European Physical Journal Special Topics, 1996, 06, C8-425-C8-428.	0.2	3
110	Internal friction associated with Î´â€² precipitation in Alâ€"Li alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1998, 249, 241-248.	5.6	3
111	Analysis of the internal friction spectra of high purity aluminium at medium temperatures. Journal of Alloys and Compounds, 2000, 310, 119-123.	5.5	3
112	Diffusion processes in Cuâ€"Alâ€"Ni shape memory alloys studied by mechanical spectroscopy and in situ transmission electron microscopy at high temperatures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 442, 418-422.	5.6	3
113	Stress-induced phase transformations studied by in-situ transmission electron microscopy. Journal of Physics: Conference Series, 2010, 240, 012002.	0.4	3
114	High temperature internal friction measurements of 3YTZP zirconia polycrystals. High temperature background and creep. Journal of the European Ceramic Society, 2014, 34, 3859-3863.	5.7	3
115	ANALYSIS OF SNOEK-KOSTER (H) RELAXATION IN IRON. Journal De Physique Colloque, 1985, 46, C10-127-C10-130.	0.2	2
116	The Influence of the Microstructure on the Anelastic Behaviour of 99.999% Aluminium. Materials Science Forum, 1993, 119-121, 255-260.	0.3	2
117	Martensitic Transformation in Cu-Al-Ni Shape Memory Alloys Processed by Powder Metallurgy. European Physical Journal Special Topics, 1995, 05, C8-919-C8-924.	0.2	2
118	Vibrational behavior of the Î² phase near martensitic transformation in Cuâ€"Alâ€"Ni shape memory alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 378, 243-247.	5.6	2
119	High Temperature Internal Friction in Fine Grain and Nano-Crystalline Zirconia. Solid State Phenomena, 0, 184, 271-276.	0.3	2
120	Crystal structure determination of a ternary Cu(In,Sn)2intermetallic phase by electron diffraction. Journal of Applied Crystallography, 2012, 45, 963-971.	4.5	2
121	Micro pulling down growth of very thin shape memory alloys single crystals. Functional Materials Letters, 2017, 10, 1740003.	1.2	2
122	Near-UV optical cavities in Ga2O3 nanowires. Optics Letters, 2021, 46, 278.	3.3	2
123	Electron microscopy study of microtexture in Cu-Al-Ni shape memory alloys processed by powder metallurgy. European Physical Journal Special Topics, 2003, 112, 615-618.	0.2	2
124	FROTTEMENT INTÃ‰RIEUR ET MICRODÃ‰FORMATION Ã€ TEMPÃ‰RATURES MOYENNES DANS L'ALUMINIUM DE HAUTE PURETÃ‰. Journal De Physique Colloque, 1983, 44, C9-751-C9-758.	0.2	2
125	INTERNAL FRICTION AT MEDIUM TEMPERATURES IN HIGH PURITY ALUMINIUM. Journal De Physique Colloque, 1987, 48, C8-161-C8-166.	0.2	2
126	Study of the incidence of the last annealing on the magnetic characteristics of high silicon (6.0â€"6.5%) crystalline ribbons directly obtained from the melted state by rapid quenching. Journal of Magnetism and Magnetic Materials, 1991, 101, 83-85.	2.3	1

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127	Structure and mobility of polygonized dislocation walls in high purity aluminium. , 1993, , 153-158.		1
128	Zener Relaxation in Al-Li Binary Alloys. European Physical Journal Special Topics, 1996, 06, C8-77-C8-80.	0.2	1
129	Relaxation Mechanisms in High Purity 99.999% Aluminium at Medium Temperatures. European Physical Journal Special Topics, 1996, 06, C8-243-C8-246.	0.2	1
130	Influence of the Annealing Parameters on Core Losses in High-Silicon(6.4 wt.-%)-Iron Electrical Steels Obtained both by Rapid Quenching and CVD Enrichment. Advanced Engineering Materials, 2000, 2, 518-521.	3.5	1
131	Analysis of Î´Precipitation in Al-Li Alloys. Materials Science Forum, 2002, 396-402, 881-886.	0.3	1
132	Processing of Advanced Shape Memory Materials by Powder Metallurgy. Materials Science Forum, 2003, 426-432, 4319-4324.	0.3	1
133	Martensitic transformation in Cu-Al-Ni shape memory alloys obtained by ball milling. European Physical Journal Special Topics, 2003, 112, 575-578.	0.2	1
134	Relaxation Processes at High Temperature in TiAl-Nb-Mo Intermetallics. Materials Research Society Symposia Proceedings, 2012, 1516, 41-46.	0.1	1
135	Studying the influence of substitutional elements on mechanical behavior of Alloy 718. MATEC Web of Conferences, 2014, 14, 21003.	0.2	1
136	Internal Friction during Martensitic Transformations in Ultra-high Temperature Ru-Nb Shape Memory Alloys. Materials Today: Proceedings, 2015, 2, S809-S812.	1.8	1
137	Ultra-High-vacuum Experimental Equipment to Characterize Shape Memory Alloys for Space Applications. Materials Today: Proceedings, 2015, 2, S953-S956.	1.8	1
138	Cu-Al-Ni Shape Memory Alloy Composites with Very High Damping Capacity. , 0, , 231-238.		1
139	Intrinsic kinetic effects during martensitic transformations. European Physical Journal Special Topics, 2003, 112, 133-137.	0.2	1
140	LACBED characterization of dislocations in Cu-Al-Ni shape memory alloys processed by powder metallurgy. European Physical Journal Special Topics, 2003, 112, 601-604.	0.2	1
141	MICROPLASTICITY AND INTERNAL FRICTION IN PURE IRON. Journal De Physique Colloque, 1981, 42, C5-43-C5-48.	0.2	1
142	ELASTIC AFTER-EFFECT AND INTERNAL FRICTION IN HIGH PURITY IRON. Journal De Physique Colloque, 1985, 46, C10-305-C10-308.	0.2	1
143	Exciting and confining light in Cr doped gallium oxide. , 2019, , .		1
144	ElaboraciÃ³n de aleaciones de Cu-Al-Ni con efecto memoria de forma mediante pulvimetalurgia. Revista De Metalurgia, 1998, 34, 329-332.	0.5	1

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145	Answer to the comments of H.P. Leighly. Scripta Metallurgica, 1988, 22, 1937.	1.2	0
146	The Relation between the Stacking Fault Energy and the Bordoni Relaxation in FCC Metals. Materials Science Forum, 1993, 119-121, 195-200.	0.3	0
147	Internal Friction and Microdeformation on Cu-Al-Ni Shape Memory Alloys. Materials Science Forum, 1993, 119-121, 323-330.	0.3	0
148	Numerical simulation of anelastic behaviour and microdeformation due to dislocations. Journal of Alloys and Compounds, 1994, 211-212, 155-159.	5.5	0
149	Influence of Thermal Cycling in a Fe-Mn-Si-Cr Shape Memory Alloy. European Physical Journal Special Topics, 1995, 05, C2-443-C2-448.	0.2	0
150	Thermomechanical properties in CuAlNi shape memory alloys processed by powder metallurgy. , 1996, , .		0
151	Î´ Precipitation Kinetics of SiC Particle Reinforced 8090 Al-Li Alloy. Materials Science Forum, 2000, 331-337, 1181-1186.	0.3	0
152	Reaction Processes in Aluminium Matrix Composites Produced by Low-Pressure Infiltration. Materials Science Forum, 2002, 396-402, 233-238.	0.3	0
153	Neutron diffraction analysis of the order in a Cu-Al-Ni shape memory alloy processed by powder metallurgy. European Physical Journal Special Topics, 2003, 112, 611-614.	0.2	0
154	Thermo-Mechanical behavior at Nano-Scale and Size Effects in Shape Memory Alloys. Materials Research Society Symposia Proceedings, 2011, 1297, 83.	0.1	0
155	Internal Friction and Dynamic Modulus in High Temperature Ru-Nb Shape Memory Intermetallics. Materials Research Society Symposia Proceedings, 2012, 1516, 235-240.	0.1	0
156	Internal Friction and Dynamic Modulus in Ultra-High Temperature Ru-Nb Functional Intermetallics / Tarcie WewnÄ™trzne I ModuÅ‚ Dynamiczny W Bardzo Wysoko Temperaturowych Funkcjonalnych ZwiÄ…zkach MiÄ™dzymetalicznych Z UkÅ‚adu Ru-Nb. Archives of Metallurgy and Materials, 2015, 60, 3069-3072.	0.6	0
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