

Golovin Is

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.

203
papers

2,753
citations

28
h-index

41
g-index

216
ext. papers

3,228
ext. citations

3.5
avg, IF

5.53
L-index

#	Paper	IF	Citations
203	Deformation of Cu-Pd-P metallic glass under cyclic mechanical load on continuous heating. <i>Theoretical and Applied Fracture Mechanics</i> , 2022 , 118, 103262	3.7	1
202	Magnetostriction and damping of forced vibrations in Fe-Cr-Mo-Al alloy. <i>Materials Letters</i> , 2022 , 314, 131863	3.3	0
201	Enhancement of the magneto-mechanical properties in directional solidified Fe ₈₀ Al ₂₀ alloys by doping Tb. <i>Journal of Alloys and Compounds</i> , 2022 , 893, 162262	5.7	0
200	Structure evolution of as-cast metastable Fe-38Ga alloy towards equilibrium. <i>Journal of Alloys and Compounds</i> , 2022 , 889, 161782	5.7	1
199	Low-temperature metastable-to-equilibrium phase transitions in Fe ₇₀ Ga alloys. <i>Intermetallics</i> , 2022 , 145, 107540	3.5	0
198	Kinetics of the isothermal A2 to sigma phase transformation in Fe-Cr alloy. <i>Journal of Alloys and Compounds</i> , 2022 , 913, 165282	5.7	0
197	Anelastic relaxation and structure of ternary Fe ₇₀ Al ₁₀ Me alloys with Me = Co, Cr, Ge, Mn, Nb, Si, Ta, Ti, Zr. <i>International Journal of Materials Research</i> , 2022 , 97, 1078-1092	0.5	
196	Coherent cluster ordering in Fe-xAl and Fe-xGa alloys. <i>Journal of Alloys and Compounds</i> , 2021 , 162540	5.7	0
195	Texture and Magnetostriction in Warm Rolled and Recrystallized Fe ₇₀ Ga Alloy. <i>Physics of Metals and Metallography</i> , 2021 , 122, 389-395	1.2	3
194	Crystal structure and phase composition evolution during heat treatment of Fe-45Ga alloy. <i>Intermetallics</i> , 2021 , 131, 107110	3.5	4
193	Fe ₁₃ Ga ₉ intermetallic in bcc-base Fe ₇₀ Ga alloy. <i>Intermetallics</i> , 2021 , 131, 107059	3.5	5
192	Mechanical spectroscopy of atomic ordering in Fe-(16-21)Ga-RE alloys. <i>Journal of Alloys and Compounds</i> , 2021 , 864, 158819	5.7	7
191	High damping in Fe-Ga-La alloys: Phenomenological model for magneto-mechanical hysteresis damping and experiment. <i>Journal of Materials Science and Technology</i> , 2021 , 72, 69-80	9.1	10
190	Deformation of Al ₈₅ Y ₈ Ni ₅ Co ₂ Metallic Glasses under Cyclic Mechanical Load and Uniform Heating. <i>Metals</i> , 2021 , 11, 908	2.3	2
189	Neutron scattering in studies of Fe-based functional alloys (Fe ₇₀ Ga, Fe ₇₀ Al). <i>Physics-Uspekhi</i> , 2021 , 64, 702-721	2.8	2
188	Composition dependence of tracer diffusion coefficients in Fe ₇₀ Ga alloys: A case study by a tracer-diffusion couple method. <i>Acta Materialia</i> , 2021 , 203, 116446	8.4	3
187	In-grain phase separation and structural ordering in Fe ₇₀ Ga alloys seen from reciprocal space. <i>Intermetallics</i> , 2021 , 128, 107016	3.5	2

186	Spinodal decomposition influence of austenite on martensitic transition in a Mn-13 at.%Cu alloy. <i>Journal of Alloys and Compounds</i> , 2021 , 853, 157061	5-7	3
185	Effect of heat treatment on the grain size control, superplasticity, internal friction, and mechanical properties of zirconium-bearing aluminum-based alloy. <i>Journal of Alloys and Compounds</i> , 2021 , 856, 157455	5-7	14
184	Mechanical spectroscopy of phase transitions in Fe-(23-28)Ga-RE alloys. <i>Journal of Alloys and Compounds</i> , 2021 , 874, 159882	5-7	5
183	Spinodal decomposition in ternary Mn-Cu-Cr alloy and its influence on martensitic transition temperatures. <i>Journal of Alloys and Compounds</i> , 2021 , 884, 161082	5-7	0
182	Phase transitions in Fe-(23-24)Ga alloys: Experimental results and modeling. <i>Journal of Alloys and Compounds</i> , 2021 , 885, 160917	5-7	1
181	First- and second-order phase transitions in Fe-(17-19)at.%Ga alloys. <i>Materials Letters</i> , 2020 , 279, 128508-3	3-3	10
180	Influence of spinodal decomposition on structure and thermoelastic martensitic transition in MnCuAlNi alloy. <i>Materials Letters</i> , 2020 , 275, 128069	3-3	4
179	Temperature evolution of Fe ₇ Ga structure: comparison of in situ X-ray and neutron diffraction studies. <i>Journal of Applied Crystallography</i> , 2020 , 53, 1343-1352	3-8	5
178	Internal friction in Ti _{29.7} Ni _{50.3} Hf ₂₀ alloy with high temperature shape memory effect. <i>Materials Letters</i> , 2020 , 262, 127025	3-3	9
177	Effect of thermal cycling on microstructure and damping capacity of Fe ₆ Mn ₃ Si alloy. <i>Materials Characterization</i> , 2020 , 159, 110001	3-9	3
176	Time-Temperature-Transformation from metastable to equilibrium structure in Fe-Ga. <i>Materials Letters</i> , 2020 , 263, 127257	3-3	14
175	Fe-Ga-Tb alloys for soft magnetic applications. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 497, 165987	2-8	6
174	Volume effect upon martensitic transformation in Ti _{29.7} Ni _{50.3} Hf ₂₀ high temperature shape memory alloy. <i>Scripta Materialia</i> , 2020 , 178, 67-70	5-6	10
173	Texture formation in FeGa alloy at cold hydrostatic extrusion and primary recrystallization. <i>Journal of Alloys and Compounds</i> , 2020 , 816, 153283	5-7	6
172	Boron interaction with D03 phase in Fe-(27-29)Ga alloys. <i>Intermetallics</i> , 2020 , 126, 106938	3-5	
171	Structure and Properties of Fe ₁₀ Ga Alloys as Promising Materials for Electronics. <i>Physics of Metals and Metallography</i> , 2020 , 121, 851-893	1-2	11
170	Effect of high magnetic field on the phase transition in Fe-24%Ga and Fe-27%Ga during isothermal annealing. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 514, 167284	2-8	2
169	The Fe ₁₀ Ga phase diagram: Revisited. <i>Journal of Alloys and Compounds</i> , 2020 , 846, 156486	5-7	19

168	Cluster-Like Structure of Fe-Based Alloys with Enhanced Magnetostriction. <i>Journal of Surface Investigation</i> , 2020 , 14, S11-S14	0.5	2
167	Damping capacity, magnetic and mechanical properties of Fe-18Cr alloy. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 494, 165777	2.8	5
166	Mechanical spectroscopy as an in situ tool to study anelasticity of martensitic transition in Fe-16Mn-8Cr-2Co alloy. <i>Materials Letters</i> , 2019 , 256, 126635	3.3	1
165	Comparative study of structure and phase transitions in Fe-(25-27)%Ga alloys. <i>Journal of Alloys and Compounds</i> , 2019 , 811, 152030	5.7	9
164	Cooling rate as a tool of tailoring structure of Fe-(9-13)%Ga alloys. <i>Intermetallics</i> , 2019 , 114, 106610	3.5	23
163	Internal friction in Fe-Ga alloys at elevated temperatures. <i>Journal of Alloys and Compounds</i> , 2019 , 785, 1257-1263	5.7	10
162	Mechanical spectroscopy as an in situ tool to study first and second order transitions in metastable Fe-Ga alloys. <i>Journal of Alloys and Compounds</i> , 2019 , 790, 1149-1156	5.7	11
161	The first- and second-order isothermal phase transitions in FeGa-type compounds. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2019 , 75, 1024-1033	1.8	10
160	Microstructure investigation on magnetostrictive Fe _{100-x} Ga _x and (Fe _{100-x} Ga _x) _{99.8} Tb _{0.2} alloys for 19 K > 29. <i>Intermetallics</i> , 2019 , 115, 106628	3.5	18
159	Dispersed clusters in (Fe,Cr) ₃ Al alloys: Neutron time-of-flight diffraction study. <i>Physical Review Materials</i> , 2019 , 3,	3.2	4
158	The influence of microalloying and heat treatment on the structure and properties of Galfenol with high gallium concentration. <i>Letters on Materials</i> , 2019 , 9, 51-57	0.9	1
157	PALS investigation of structural vacancies during phase transitions in Fe-27Ga and Fe-27Ga-0.1Tb alloys 2019 ,		1
156	Effects of Ordering in Fe-xAl Alloys. <i>JETP Letters</i> , 2019 , 110, 585-591	1.2	4
155	Phase diagram of magnetostrictive Fe-Ga alloys: insights from theory and experiment. <i>Phase Transitions</i> , 2019 , 92, 101-116	1.3	26
154	Influence of cyclic loading on the structure and double-stage structure relaxation behavior of a Zr-Cu-Fe-Al metallic glass. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 742, 526-531	5.3	11
153	In situ studies of atomic ordering in Fe-19Ga type alloys. <i>Intermetallics</i> , 2019 , 105, 6-12	3.5	15
152	Anelasticity of iron-aluminide Fe ₃ Al type single and polycrystals. <i>Journal of Alloys and Compounds</i> , 2018 , 746, 660-669	5.7	9
151	From metastable to stable structure: the way to construct functionality in Fe-27Ga alloy. <i>Journal of Alloys and Compounds</i> , 2018 , 751, 364-369	5.7	14

150	Structure of the Fe-Mn-Si alloys submitted to β - α thermocycling. <i>Materials Characterization</i> , 2018 , 141, 223-228	3.9	7
149	Anelasticity of the Fe-Ga alloys in the range of Zener relaxation. <i>Journal of Alloys and Compounds</i> , 2018 , 730, 424-433	5.7	14
148	Anomalous Behavior of an α - β Phase Transition in Iron: Results of In Situ Neutron Diffraction Experiment. <i>JETP Letters</i> , 2018 , 107, 558-563	1.2	5
147	Antiphase domains or dispersed clusters? Neutron diffraction study of coherent atomic ordering in Fe ₃ Al-type alloys. <i>Acta Materialia</i> , 2018 , 153, 45-52	8.4	16
146	Phase transitions in Fe-27Ga alloys: Guidance to develop functionality. <i>Intermetallics</i> , 2018 , 100, 20-26	3.5	13
145	Effect of Zr on the microstructure, recrystallization behavior, mechanical properties and electrical conductivity of the novel Al-Er-Y alloy. <i>Journal of Alloys and Compounds</i> , 2018 , 765, 1-6	5.7	41
144	Tb-dependent phase transitions in Fe-Ga functional alloys. <i>Intermetallics</i> , 2018 , 93, 55-62	3.5	17
143	Influence of substitution of Fe by Co on structural and magneto-mechanical properties of Fe-27Ga alloy. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2018 , 236-237, 76-83	3.1	1
142	Anelasticity of Phase Transitions and Magnetostriction in Fe-(27-28%)Ga Alloys. <i>Materials Research</i> , 2018 , 21,	1.5	7
141	Structure and magnetic properties of Fe-Ga alloys doped by Tb. <i>Journal of Alloys and Compounds</i> , 2018 , 758, 214-223	5.7	17
140	Comparative study of structural phase transitions in bulk and powdered Fe ₂₇ Ga alloy by real-time neutron thermodiffractometry. <i>Journal of Applied Crystallography</i> , 2017 , 50, 198-210	3.8	25
139	Phase transitions as a tool for tailoring magnetostriction in intrinsic Fe-Ga composites. <i>Acta Materialia</i> , 2017 , 130, 229-239	8.4	56
138	Superplastic deformation behaviour and microstructure evolution of near- β -Ti-Al-Mn alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 708, 469-477	5.3	30
137	Internal friction sensitivity to precipitation in Al-12 wt% Mg alloy. <i>Materials Characterization</i> , 2017 , 134, 49-54	3.9	3
136	Influence of Tb on structure and properties of Fe-19%Ga and Fe-27%Ga alloys. <i>Journal of Alloys and Compounds</i> , 2017 , 707, 51-56	5.7	31
135	Diffusionless nature of D0 ₃ - β 12 transition in Fe ₃ Ga alloys. <i>Journal of Alloys and Compounds</i> , 2016 , 656, 897-902	5.7	28
134	Coherent cluster atomic ordering in the Fe-27Al intermetallic compound. <i>JETP Letters</i> , 2016 , 104, 539-545	2	9
133	Room-temperature dynamic quasi-elastic mechanical behavior of a ZrCuBeAl bulk metallic glass. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016 , 213, 450-456	1.6	6

132	Intermetallics formed at interface of ultrafine grained Al/Mg bi-layered disks processed by high pressure torsion at room temperature. <i>Materials Letters</i> , 2016 , 181, 187-190	3.3	33
131	Ordering processes in Fe-Ga alloys studied by positron annihilation lifetime spectroscopy. <i>Materials Letters</i> , 2016 , 171, 46-49	3.3	16
130	Structure and properties of high damping Fe-Ga based alloy. <i>Metallic Materials</i> , 2016 , 53, 267-274	1.3	4
129	Structure induced anelasticity in Fe ₃ Me (Me = Al, Ga, Ge) alloys. <i>Journal of Alloys and Compounds</i> , 2016 , 688, 310-319	5.7	15
128	Phase transition induced anelasticity in Fe-Ga alloys with 25 and 27%Ga. <i>Journal of Alloys and Compounds</i> , 2016 , 675, 393-398	5.7	24
127	In situ neutron diffraction study of bulk phase transitions in Fe-27Ga alloys. <i>Materials and Design</i> , 2016 , 98, 113-119	8.1	51
126	Effect of microalloying with Ca on the microstructure and mechanical properties of Mg-6 mass%Zn alloys. <i>Materials and Design</i> , 2016 , 98, 285-293	8.1	86
125	Magnetic and magneto-mechanical properties of Fe ₅₅ Co ₁₉ Ga ₂₆ alloy. <i>Materials Letters</i> , 2016 , 182, 72-74	3	2
124	Stabilization of bcc-born phases in Fe-27Ga by adding Tb: Comparative in situ neutron diffraction study. <i>Materials Letters</i> , 2016 , 181, 67-70	3.3	14
123	Microstructure evolution and mechanical properties of nano-SiCp/AZ91 composite processed by extrusion and equal channel angular pressing (ECAP). <i>Materials Characterization</i> , 2016 , 121, 222-230	3.9	55
122	Effect of homogenisation treatment on precipitation, recrystallisation and properties of Al- β % Mg-TM alloys (TM = Mn, Cr, Zr). <i>Materials and Design</i> , 2016 , 109, 197-208	8.1	30
121	Fabrication, characterization, and mechanical properties of spark plasma sintered AlBN nanoparticle composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 642, 104-112	5.3	61
120	Structure and anelasticity of Fe ₃ Ga and Fe ₃ (Ga,Al) type alloys. <i>Journal of Alloys and Compounds</i> , 2015 , 644, 959-967	5.7	23
119	The impact of elastic and plastic strain on relaxation and crystallization of Pd-Ni-based bulk metallic glasses. <i>Acta Materialia</i> , 2015 , 90, 318-329	8.4	26
118	Anelasticity of Fe-Ga based alloys. <i>Materials and Design</i> , 2015 , 88, 577-587	8.1	46
117	Study of damping capacity of Fe _{88.4} Al _{0.05} Ti alloy. <i>Journal of Alloys and Compounds</i> , 2015 , 653, 460-467	5.7	12
116	Effect of heat treatment on ordering and functional properties of the Fe ₈₉ Ga alloy. <i>Journal of Alloys and Compounds</i> , 2015 , 619, 58-65	5.7	26
115	Effect of heat treatment on diffusion, internal friction, microstructure and mechanical properties of ultra-fine-grained nickel severely deformed by equal-channel angular pressing. <i>Acta Materialia</i> , 2015 , 82, 11-21	8.4	45

114	Superplastic deformation mechanisms in fine-grained AlMg based alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 627, 31-41	5.3	36
113	Study of Ordering and Properties in Fe-Ga Alloys With 18 and 21 at. pct Ga. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2015 , 46, 1131-1139	2.3	14
112	Contributions of phase and structural transformations in multicomponent Al-Mg alloys to the linear and nonlinear mechanisms of anelasticity. <i>Physics of Metals and Metallography</i> , 2014 , 115, 192-201	1.2	10
111	Contribution of phase and structural transformations to linear and nonlinear mechanisms of anelasticity in binary Al-Mg alloys. <i>Physics of Metals and Metallography</i> , 2014 , 115, 77-84	1.2	1
110	Structural mechanisms of anelasticity in FeGa-based alloys. <i>Journal of Alloys and Compounds</i> , 2014 , 584, 322-326	5.7	26
109	Influence of composition and heat treatment on damping and magnetostrictive properties of Fe8%(Ga + Al) alloys. <i>Acta Materialia</i> , 2014 , 78, 93-102	8.4	35
108	Mechanical spectroscopy of Al-Mg alloys. <i>Physics of Metals and Metallography</i> , 2013 , 114, 327-338	1.2	10
107	Effect of Mn and Cr additions on kinetics of recrystallization and parameters of grain-boundary relaxation of Al-4.9Mg alloy. <i>Physics of Metals and Metallography</i> , 2013 , 114, 246-255	1.2	14
106	Internal friction in a NiTi-based glassy-crystal alloy. <i>Journal of Alloys and Compounds</i> , 2013 , 579, 633-637	5.7	9
105	Study of order-disorder transitions in FeGe alloys and related anelastic phenomena. <i>Journal of Alloys and Compounds</i> , 2013 , 554, 348-356	5.7	3
104	Fabrication and characteristics of melt-spun Al ribbons reinforced with nano/micro-BN phases. <i>Acta Materialia</i> , 2013 , 61, 7604-7615	8.4	33
103	Role of the ϵ phase in grain boundary and dislocation anelasticity in binary AlMg alloys. <i>Journal of Alloys and Compounds</i> , 2013 , 577, 622-632	5.7	28
102	Internal friction and evolution of ultrafine-grained structure during annealing of Grade-4 titanium subjected to severe plastic deformation. <i>Physics of Metals and Metallography</i> , 2013 , 114, 1078-1085	1.2	12
101	Mechanisms of linear anelasticity in Fe-M and Fe-Al-M (M = Ga, Ge) alloys. <i>Physics of Metals and Metallography</i> , 2013 , 114, 1018-1030	1.2	6
100	Effect of heat treatment on internal friction in ECAP processed commercial pure Mg. <i>Journal of Alloys and Compounds</i> , 2013 , 549, 38-45	5.7	30
99	Mechanical spectroscopy of Snoek type relaxation. <i>Metal Science and Heat Treatment</i> , 2012 , 54, 208-216	0.6	6
98	A study of softening processes in heating of cold-deformed sheets of low-alloy aluminum alloys. <i>Metal Science and Heat Treatment</i> , 2012 , 54, 253-258	0.6	
97	Effect of thermal cycling on martensitic β - β' transformation in alloy Fe 22% Mn 3% Si. <i>Metal Science and Heat Treatment</i> , 2012 , 54, 267-270	0.6	1

96	Effect of adding chromium on internal friction and superplasticity of alloys of the Al-Mg system. <i>Metal Science and Heat Treatment</i> , 2012 , 54, 276-280	0.6	5
95	Internal friction in (Fe ₈₀ Ga ₂₀) _{99.95} (NbC) _{0.05} alloy at elevated temperatures. <i>Intermetallics</i> , 2012 , 29, 133-139	3.5	14
94	Order controlled dislocations and grain boundary mobility in Fe-Al-Cr alloys. <i>Journal of Alloys and Compounds</i> , 2012 , 537, 117-122	5.7	11
93	Effect of microadditions of magnesium and zinc in aluminum upon heating of cold-rolled sheets. <i>Physics of Metals and Metallography</i> , 2012 , 113, 795-802	1.2	4
92	Fine-Grained Structure and Superplasticity of Al-Cu-Mg-Fe-Ni Alloys. <i>Materials Science Forum</i> , 2012 , 735, 55-60	0.4	4
91	Improved mechanical property and internal friction of pure Mg processed by ECAP. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 556, 588-594	5.3	54
90	Magnetomechanical and Structural Internal Friction in Ni-Mn-In-Co Metamagnetic Shape Memory Alloy. <i>Solid State Phenomena</i> , 2012 , 184, 372-377	0.4	5
89	The Effect of Annealing on the Internal Friction in ECAP-Modified Ultrafine Grained Copper. <i>Solid State Phenomena</i> , 2012 , 184, 289-294	0.4	10
88	Thermo-Mechanical Influence on the Internal Friction of a 51CrV4 Shaft. <i>Chinese Physics Letters</i> , 2012 , 29, 114601	1.8	
87	Internal friction, dilatometric and calorimetric study of anelasticity in Fe ₁₃ at.% Ga and Fe ₈ at.% Al ₃ at.% Ga alloys. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 8165-8170	5.7	12
86	Mechanisms of anelasticity in Fe ₁₃ Ga alloy. <i>Intermetallics</i> , 2011 , 19, 453-459	3.5	23
85	Investigation of recrystallization in an Al-0.3 Mg alloy by the method of internal friction. <i>Physics of Metals and Metallography</i> , 2011 , 112, 622-632	1.2	16
84	Relaxation and hysteresis internal friction in ultra-fine-grained copper at temperatures of up to 400°C. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2011 , 75, 1290-1299	0.4	3
83	Thermally Activated Relaxation and Hysteretic Internal Friction in Ultrafine Grained Copper. <i>Defect and Diffusion Forum</i> , 2011 , 309-310, 209-214	0.7	1
82	Mechanical Spectroscopy of Ultrafine Grained Copper. <i>Materials Science Forum</i> , 2010 , 667-669, 857-862	0.4	1
81	Isothermal martensitic transformation in metamagnetic shape memory alloys. <i>Journal of Applied Physics</i> , 2010 , 107, 053525	2.5	47
80	Structure and anelasticity of ordered and disordered Fe-Ce alloys. <i>Intermetallics</i> , 2010 , 18, 913-921	3.5	12
79	Study of martensitic transformation in the Fe-22 Mn-3 Si alloy by mechanical spectroscopy. <i>Physics of Metals and Metallography</i> , 2010 , 109, 162-170	1.2	2

78	Grain-boundary relaxation in copper before and after equal-channel angular pressing and recrystallization. <i>Physics of Metals and Metallography</i> , 2010 , 110, 405-413	1.2	23
77	Interactions between solute atoms in Fe ₃ Al ₂ Cr alloys as studied by mechanical spectroscopy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 521-522, 63-66	5.3	11
76	Anelasticity in Fe ₃ AlCr alloys at elevated temperatures. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 521-522, 67-72	5.3	7
75	Mechanisms of anelasticity in Fe ₃ Cr-based alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 521-522, 55-58	5.3	4
74	Mechanical spectroscopy study of thermo-mechanically treated 51CrV4 steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 521-522, 335-339	5.3	1
73	Mechanical spectroscopy in Fe ₃ AlBi alloys at elevated temperatures. <i>Journal of Alloys and Compounds</i> , 2009 , 468, 96-102	5.7	15
72	Functional gradation and its influence on damping behaviour of 51CrV4 steel. <i>Materials Characterization</i> , 2008 , 59, 1178-1184	3.9	
71	Influence of Heat Treatment on Magnetic and Damping Properties of Fe-11 at.% Al Alloys. <i>Solid State Phenomena</i> , 2008 , 137, 129-136	0.4	3
70	Damping in AZ31 ECAP-Processed Alloy. <i>Solid State Phenomena</i> , 2008 , 137, 181-188	0.4	4
69	Mechanical Spectroscopy of the Fe-25Al-Cr Alloys in Medium Temperature Range. <i>Solid State Phenomena</i> , 2008 , 137, 99-108	0.4	3
68	Mechanical Spectroscopy and Neutron Diffraction Studies in Fe-Al-Si Alloys. <i>Solid State Phenomena</i> , 2008 , 137, 91-98	0.4	3
67	Effect of Heat Treatment on Acoustic Properties of Chromium Polycrystals at Low Temperatures. <i>Solid State Phenomena</i> , 2008 , 137, 43-48	0.4	1
66	Structure and Anelasticity of Fe-Ge Alloys. <i>Solid State Phenomena</i> , 2008 , 137, 59-68	0.4	5
65	Change of Structure and Properties of 51CrV4 Shaft Caused by Thermo-Mechanical Treatment. <i>Solid State Phenomena</i> , 2008 , 137, 169-180	0.4	2
64	Effect of severe plastic deformation on the structure and low-temperature internal friction of Fe ₃ Al and (Fe,Cr) ₃ Al. <i>Physics of Metals and Metallography</i> , 2008 , 105, 36-44	1.2	2
63	Structure and anelasticity of Fe ₃ Ge alloy. <i>Intermetallics</i> , 2007 , 15, 1548-1557	3.5	10
62	Internal Friction in Metallic Materials. <i>Springer Series in Materials Science</i> , 2007 ,	0.9	157
61	Damping caused by fatigue in porous 316L steel. <i>Philosophical Magazine</i> , 2006 , 86, 2399-2406	1.6	

60	Mechanical Spectroscopy of High Pressure Torsion Deformed Fe-Based Alloys and Ti. <i>Materials Science Forum</i> , 2006 , 503-504, 745-750	0.4	7
59	Damping Mechanisms in High Damping Materials. <i>Key Engineering Materials</i> , 2006 , 319, 225-230	0.4	9
58	Anelastic relaxation and structure of ternary FeAlMe alloys with Me=Co, Cr, Ge, Mn, Nb, Si, Ta, Ti, Zr. <i>International Journal of Materials Research</i> , 2006 , 97, 1078-1092	0.5	17
57	Mechanical spectroscopy of the Zener relaxation in Fe ₂ Al and Fe ₂ 6Al alloys. <i>Intermetallics</i> , 2006 , 14, 570-577	3.5	26
56	Internal friction in FeAlSi alloys at elevated temperatures. <i>Intermetallics</i> , 2006 , 14, 1238-1244	3.5	7
55	Effect of severe plastic deformation on internal friction of an Fe ₂ 6at.% Al alloy and titanium. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 442, 165-169	5.3	15
54	Zener relaxation in ordered and disordered Fe(22-28%)Al alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 442, 86-91	5.3	4
53	Influence of Al concentration on the short-range and long-range diffusion of carbon in FeAl alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 442, 128-132	5.3	11
52	Anelastic relaxation in ternary FeAlMe alloys: MeCo, Cr, Ge, Mn, Nb, Si, Ta, Ti, Zr. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 442, 92-98	5.3	11
51	Simulation of the X relaxation in FeAlMe (Me=Co, Cr, Mn, Si) alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 442, 133-137	5.3	1
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