

Golovin Is

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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	Internal Friction in Metallic Materials. <i>Springer Series in Materials Science</i> , 2007 ,	0.9	157
202	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
201	Anelasticity of FeAl alloys, revisited. <i>Intermetallics</i> , 2004 , 12, 125-150	3.5	71
200	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
199	Damping in some cellular metallic materials. <i>Journal of Alloys and Compounds</i> , 2003 , 355, 2-9	5.7	60
198	Phase transitions as a tool for tailoring magnetostriction in intrinsic Fe-Ga composites. <i>Acta Materialia</i> , 2017 , 130, 229-239	8.4	56
197	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
196	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
195	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
194	Isothermal martensitic transformation in metamagnetic shape memory alloys. <i>Journal of Applied Physics</i> , 2010 , 107, 053525	2.5	47
193	Study of atom diffusivity and related relaxation phenomena in Fe ₃ Al(Ti,Nb) alloys. <i>Acta Materialia</i> , 2005 , 53, 2581-2594	8.4	47
192	Anelasticity of FeTi based alloys. <i>Materials and Design</i> , 2015 , 88, 577-587	8.1	46
191	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
190	Snoek Relaxation in FeTi Alloys and Interstitial-Substitutional Interaction. <i>Physica Status Solidi A</i> , 1997 , 160, 49-60		42
189	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
188	Internal friction in metallic foams and some related cellular structures. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 370, 504-511	5.3	40
187	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

186	Influence of composition and heat treatment on damping and magnetostrictive properties of Fe ₁₈ (Ga + Al) alloys. <i>Acta Materialia</i> , 2014 , 78, 93-102	8.4	35
185	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
184	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
183	Effect of Substitutional Ordering on the Carbon Snoek Relaxation in FeAl ₂ Alloys. <i>Physica Status Solidi A</i> , 1998 , 168, 403-415		32
182	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
181	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
180	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
179	Panel discussion on the application of HDM. <i>Journal of Alloys and Compounds</i> , 2003 , 355, 230-240	5.7	30
178	Effect of homogenisation treatment on precipitation, recrystallisation and properties of Al β % Mg β TM alloys (TM = Mn, Cr, Zr). <i>Materials and Design</i> , 2016 , 109, 197-208	8.1	30
177	Mechanism of damping capacity of high-chromium steels and β Fe and its dependence on some external factors. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 1994 , 25, 111-124	2.3	29
176	Diffusionless nature of D03 -L12 transition in Fe ₃ Ga alloys. <i>Journal of Alloys and Compounds</i> , 2016 , 656, 897-902	5.7	28
175	Role of the β 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
174	Influence of carbon and nitrogen on solid solution decay. <i>Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science</i> , 1992 , 23, 2567-2579		27
173	The impact of elastic and plastic strain on relaxation and crystallization of PdNi β -based bulk metallic glasses. <i>Acta Materialia</i> , 2015 , 90, 318-329	8.4	26
172	Effect of heat treatment on ordering and functional properties of the Fe ₁₉ Ga alloy. <i>Journal of Alloys and Compounds</i> , 2015 , 619, 58-65	5.7	26
171	Structural mechanisms of anelasticity in FeGa-based alloys. <i>Journal of Alloys and Compounds</i> , 2014 , 584, 322-326	5.7	26
170	Mechanical spectroscopy of the Zener relaxation in Fe ₂ Al and Fe ₆ Al alloys. <i>Intermetallics</i> , 2006 , 14, 570-577	3.5	26
169	Phase diagram of magnetostrictive Fe-Ga alloys: insights from theory and experiment. <i>Phase Transitions</i> , 2019 , 92, 101-116	1.3	26

168	Comparative study of structural phase transitions in bulk and powdered Fe ₇₃ Ga alloy by real-time neutron thermodiffraction. <i>Journal of Applied Crystallography</i> , 2017 , 50, 198-210	3.8	25
167	Fatigue-related damping in some cellular metallic materials. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 370, 537-541	5.3	24
166	Phase transition induced anelasticity in Fe ₇₃ Ga alloys with 25 and 27%Ga. <i>Journal of Alloys and Compounds</i> , 2016 , 675, 393-398	5.7	24
165	Cooling rate as a tool of tailoring structure of Fe-(9-13%)Ga alloys. <i>Intermetallics</i> , 2019 , 114, 106610	3.5	23
164	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
163	Mechanisms of anelasticity in Fe ₇₃ Ga alloy. <i>Intermetallics</i> , 2011 , 19, 453-459	3.5	23
162	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
161	Relaxation mechanisms in Fe-Al-C alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2003 , 34, 255-266	2.3	23
160	Damping in some cellular metallic materials due to microplasticity. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 370, 531-536	5.3	22
159	Anelasticity of Fe ₃ Al intermetallic compounds. <i>Scripta Materialia</i> , 2004 , 50, 1187-1192	5.6	21
158	Hydrogen influence on plastic deformation mechanism of Titanium alloys of Ti-Nb system. <i>Journal of Alloys and Compounds</i> , 1997 , 253-254, 144-147	5.7	20
157	Interstitial distribution in Fe-Al and Fe-Cr quenched and aged alloys. <i>Journal of Alloys and Compounds</i> , 2000 , 310, 356-362	5.7	20
156	On dislocation-related internal friction in Fe-22.1at.% Al. <i>Journal of Alloys and Compounds</i> , 2004 , 378, 268-273	5.7	19
155	The Fe ₇₃ Ga phase diagram: Revisited. <i>Journal of Alloys and Compounds</i> , 2020 , 846, 156486	5.7	19
154	Microstructure investigation on magnetostrictive Fe _{100-x} Gax and (Fe _{100-x} Gax) _{99.8} Tb _{0.2} alloys for 19 ≤ x ≤ 29. <i>Intermetallics</i> , 2019 , 115, 106628	3.5	18
153	Anelastic relaxation and structure of ternary Fe-Al-Me 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
152	Effect of alloying Fe with aluminum, silicon, cobalt, and germanium on the snoek relaxation parameters. <i>Physics of Metals and Metallography</i> , 2006 , 102, 593-603	1.2	17
151	Effect of Plastic Deformation on the Carbon Internal Friction Peak in Austenitic Steels. <i>Physica Status Solidi A</i> , 2000 , 178, 621-632		17

150	Tb-dependent phase transitions in Fe-Ga functional alloys. <i>Intermetallics</i> , 2018 , 93, 55-62	3.5	17
149	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
148	Ordering processes in Fe-Ga alloys studied by positron annihilation lifetime spectroscopy. <i>Materials Letters</i> , 2016 , 171, 46-49	3.3	16
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	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
145	The mechanism of the anelastic X relaxation in the intermetallic compound Fe ₃ Al. <i>Scripta Materialia</i> , 2005 , 52, 57-62	5.6	16
144	Mechanical spectroscopy in Fe ₃ Al ₂ Bi alloys at elevated temperatures. <i>Journal of Alloys and Compounds</i> , 2009 , 468, 96-102	5.7	15
143	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
142	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
141	In situ studies of atomic ordering in Fe-19Ga type alloys. <i>Intermetallics</i> , 2019 , 105, 6-12	3.5	15
140	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
139	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
138	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
137	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
136	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
135	Time-Temperature-Transformation from metastable to equilibrium structure in Fe-Ga. <i>Materials Letters</i> , 2020 , 263, 127257	3.3	14
134	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
133	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

132	Phase transitions in Fe-27Ga alloys: Guidance to develop functionality. <i>Intermetallics</i> , 2018 , 100, 20-26	3.5	13
131	Study of damping capacity of Fe _{84.4} Al _{10.05} Ti alloy. <i>Journal of Alloys and Compounds</i> , 2015 , 653, 460-467	5.7	12
130	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
129	Internal friction, dilatometric and calorimetric study of anelasticity in Fe ₁₃ at.% Ga and Fe ₈ at.% Al ₈ at.% Ga alloys. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 8165-8170	5.7	12
128	Structure and anelasticity of ordered and disordered Fe ₃ Fe alloys. <i>Intermetallics</i> , 2010 , 18, 913-921	3.5	12
127	Strain-induced interaction of hydrogen atoms with dissolved atoms in IVA group metals. <i>Journal of Alloys and Compounds</i> , 2002 , 345, 1-9	5.7	12
126	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
125	Order controlled dislocations and grain boundary mobility in Fe ₃ AlCr alloys. <i>Journal of Alloys and Compounds</i> , 2012 , 537, 117-122	5.7	11
124	Interactions between solute atoms in Fe ₃ SiAlCr 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
123	Influence of Al concentration on the short-range and long-range diffusion of carbon in Fe ₃ Al alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 442, 128-132	5.3	11
122	Anelastic relaxation in ternary Fe ₃ AlMe 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
121	Structure and Properties of Fe ₃ Ga Alloys as Promising Materials for Electronics. <i>Physics of Metals and Metallography</i> , 2020 , 121, 851-893	1.2	11
120	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
119	Internal friction in Fe-Ga alloys at elevated temperatures. <i>Journal of Alloys and Compounds</i> , 2019 , 785, 1257-1263	5.7	10
118	First- and second-order phase transitions in Fe-(17-19)at.%Ga alloys. <i>Materials Letters</i> , 2020 , 279, 128508.3	3.3	10
117	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
116	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
115	Mechanical spectroscopy of Al-Mg alloys. <i>Physics of Metals and Metallography</i> , 2013 , 114, 327-338	1.2	10

114	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
113	Structure and anelasticity of Fe ₃ Ge alloy. <i>Intermetallics</i> , 2007 , 15, 1548-1557	3.5	10
112	Anelastic effects connected with isothermal martensitic transformations in 24Ni4Mo austenitic and 12Cr9Ni4Mo maraging steels. <i>Journal of Alloys and Compounds</i> , 2000 , 310, 411-417	5.7	10
111	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
110	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
109	Comparative study of structure and phase transitions in Fe-(25-7)%Ga alloys. <i>Journal of Alloys and Compounds</i> , 2019 , 811, 152030	5.7	9
108	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
107	Coherent cluster atomic ordering in the Fe-27Al intermetallic compound. <i>JETP Letters</i> , 2016 , 104, 539-545	5.2	9
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	Damping Mechanisms in High Damping Materials. <i>Key Engineering Materials</i> , 2006 , 319, 225-230	0.4	9
104	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
103	Mechanical spectroscopy of hydrogen-absorbing quasicrystals. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 370, 78-82	5.3	8
102	Structure of the Fe-Mn-Si alloys submitted to L-T thermocycling. <i>Materials Characterization</i> , 2018 , 141, 223-228	3.9	7
101	Anelasticity in FeAlTi alloys at elevated temperatures. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 521-522, 67-72	5.3	7
100	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
99	Internal friction in FeAlSi alloys at elevated temperatures. <i>Intermetallics</i> , 2006 , 14, 1238-1244	3.5	7
98	Mechanical Spectroscopy of Fe-Al-C Alloys Ordering. <i>Solid State Phenomena</i> , 2003 , 89, 279-286	0.4	7
97	Mechanical spectroscopy of atomic ordering in Fe-(16-1)Ga-RE alloys. <i>Journal of Alloys and Compounds</i> , 2021 , 864, 158819	5.7	7

96	Anelasticity of Phase Transitions and Magnetostriction in Fe-(27-28%)Ga Alloys. <i>Materials Research</i> , 2018 , 21,	1.5	7
95	Room-temperature dynamic quasi-elastic mechanical behavior of a Zr ₄₀ Be ₄₀ Al bulk metallic glass. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016 , 213, 450-456	1.6	6
94	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
93	Mechanical spectroscopy of Snoek type relaxation. <i>Metal Science and Heat Treatment</i> , 2012 , 54, 208-216	0.6	6
92	Amplitude Dependent Damping of Some Metallic Foams. <i>Solid State Phenomena</i> , 2003 , 89, 267-272	0.4	6
91	Interactions of Dissolved Atoms and Carbon Diffusion in Fe-Cr and Fe-Al Alloys. <i>Defect and Diffusion Forum</i> , 2001 , 194-199, 73-78	0.7	6
90	Question of the mechanism of formation of the damping condition of high-chromium ferritic steels. <i>Metal Science and Heat Treatment</i> , 1993 , 35, 526-533	0.6	6
89	Fe-Ga-Tb alloys for soft magnetic applications. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 497, 165987	2.8	6
88	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
87	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
86	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
85	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
84	Structure and Anelasticity of Fe-Ge Alloys. <i>Solid State Phenomena</i> , 2008 , 137, 59-68	0.4	5
83	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
82	Fe ₁₃ Ga ₉ intermetallic in bcc-base Fe-Ga alloy. <i>Intermetallics</i> , 2021 , 131, 107059	3.5	5
81	Damping capacity, magnetic and mechanical properties of Fe-18Cr alloy. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 494, 165777	2.8	5
80	Mechanical spectroscopy of phase transitions in Fe ₂₃ B ₈ Ga-RE alloys. <i>Journal of Alloys and Compounds</i> , 2021 , 874, 159882	5.7	5
79	Influence of spinodal decomposition on structure and thermoelastic martensitic transition in MnCuAlNi alloy. <i>Materials Letters</i> , 2020 , 275, 128069	3.3	4

78	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
77	Fine-Grained Structure and Superplasticity of Al-Cu-Mg-Fe - Ni Alloys. <i>Materials Science Forum</i> , 2012 , 735, 55-60	0.4	4
76	Mechanisms of anelasticity in Fe-Ce-based alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 521-522, 55-58	5.3	4
75	Damping in AZ31 ECAP-Processed Alloy. <i>Solid State Phenomena</i> , 2008 , 137, 181-188	0.4	4
74	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
73	Internal friction and modulus defect in Fe-based, high-alloyed (Cr, Mo) intermetallics. <i>Journal of Alloys and Compounds</i> , 1994 , 211-212, 147-151	5.7	4
72	Dispersed clusters in (Fe,Cr) ₃ Al alloys: Neutron time-of-flight diffraction study. <i>Physical Review Materials</i> , 2019 , 3,	3.2	4
71	Structure and properties of high damping Fe-Ga based alloy. <i>Metallic Materials</i> , 2016 , 53, 267-274	1.3	4
70	Crystal structure and phase composition evolution during heat treatment of Fe-45Ga alloy. <i>Intermetallics</i> , 2021 , 131, 107110	3.5	4
69	Effects of Ordering in Fe-xAl Alloys. <i>JETP Letters</i> , 2019 , 110, 585-591	1.2	4
68	Internal friction sensitivity to precipitation in Al-12 wt% Mg alloy. <i>Materials Characterization</i> , 2017 , 134, 49-54	3.9	3
67	Study of order-disorder transitions in Fe-Ce alloys and related anelastic phenomena. <i>Journal of Alloys and Compounds</i> , 2013 , 554, 348-356	5.7	3
66	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
65	Effect of plastic strain on the temperature spectrum of internal friction of austenitic and ferritic steels. <i>Metal Science and Heat Treatment</i> , 1997 , 39, 376-383	0.6	3
64	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
63	Mechanical Spectroscopy of the Fe-25Al-Cr Alloys in Medium Temperature Range. <i>Solid State Phenomena</i> , 2008 , 137, 99-108	0.4	3
62	Mechanical Spectroscopy and Neutron Diffraction Studies in Fe-Al-Si Alloys. <i>Solid State Phenomena</i> , 2008 , 137, 91-98	0.4	3
61	Damping of Some Aluminium Foams at Low Amplitudes. <i>Solid State Phenomena</i> , 2003 , 89, 261-266	0.4	3

60	Damping caused by microplasticity in porous 316L steels. <i>Philosophical Magazine</i> , 2005 , 85, 1557-1574	1.6	3
59	Influence of initial deformation on the damping capacity of ferritic high-chromium Kh16 type steel. <i>Metal Science and Heat Treatment</i> , 1993 , 35, 418-421	0.6	3
58	The Study of Microplasticity Mechanism in Ti-50 wt.%Nb Alloy with High Hydrogen Content. <i>European Physical Journal Special Topics</i> , 1996 , 06, C8-289-C8-292		3
57	Effect of thermal cycling on microstructure and damping capacity of Fe ₂ 6Mn ₂ Si alloy. <i>Materials Characterization</i> , 2020 , 159, 110001	3.9	3
56	Texture and Magnetostriction in Warm Rolled and Recrystallized Fe ₉₀ Al Alloy. <i>Physics of Metals and Metallography</i> , 2021 , 122, 389-395	1.2	3
55	Composition dependence of tracer diffusion coefficients in Fe ₉₀ Al alloys: A case study by a tracer-diffusion couple method. <i>Acta Materialia</i> , 2021 , 203, 116446	8.4	3
54	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
53	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
52	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
51	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
50	H-induced anelasticity as a probe: Application to nanoscale quasicrystals. <i>Journal of Alloys and Compounds</i> , 2005 , 404-406, 519-522	5.7	2
49	Discussion of Interstitial precipitation in Fe-Cr-Al alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 1995 , 26, 1311-1312	2.3	2
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