

Jens Freudenberger

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.

154
papers

2,906
citations

30
h-index

45
g-index

156
ext. papers

3,272
ext. citations

3.9
avg, IF

4.86
L-index

#	Paper	IF	Citations
154	Low temperature deformation mechanisms of polycrystalline CoZr and Co ₃₉ Ni ₁₁ Zr ₅₀ B2-type intermetallic compounds. <i>Acta Materialia</i> , 2022 , 223, 117489	8.4	
153	TiAl-based semi-finished material produced by reaction annealing of Ti/Al layered composite sheets. <i>Materials Today Communications</i> , 2022 , 30, 103083	2.5	
152	Micro-mechanical deformation behavior of CoCrFeMnNi high-entropy alloy. <i>Journal of Materials Science and Technology</i> , 2022 , 100, 237-245	9.1	1
151	Revealing the Role of Cross Slip for Serrated Plastic Deformation in Concentrated Solid Solutions at Cryogenic Temperatures. <i>Metals</i> , 2022 , 12, 514	2.3	
150	Microstructural evolution and its effect on the mechanical properties of CuAg microcomposites. <i>International Journal of Materials Research</i> , 2022 , 95, 425-432	0.5	
149	Superior low-cycle fatigue properties of CoCrNi compared to CoCrFeMnNi. <i>Scripta Materialia</i> , 2021 , 194, 113667	5.6	23
148	Deformation mechanisms of CoCrFeMnNi high-entropy alloy under low-cycle-fatigue loading. <i>Acta Materialia</i> , 2021 , 215, 117089	8.4	7
147	Evaluation of the effective temperature change in Gd-based composite wires assessed by static and pulsed-field magnetic measurements. <i>Journal of Magnetism and Magnetic Materials</i> , 2021 , 536, 168115	2.8	0
146	Low temperature deformation mechanisms of single crystalline intermetallic compound YAg. <i>Scripta Materialia</i> , 2020 , 186, 95-98	5.6	1
145	Predicting the dominating factors during heat transfer in magnetocaloric composite wires. <i>Materials and Design</i> , 2020 , 193, 108832	8.1	2
144	Entropy of Conduction Electrons from Transport Experiments. <i>Entropy</i> , 2020 , 22,	2.8	3
143	Breakdown of Varvenne scaling in (AuNiPdPt) _{1-x} Cu high-entropy alloys. <i>Scripta Materialia</i> , 2020 , 181, 15-18	5.6	6
142	Origins of strength and plasticity in the precious metal based high-entropy alloy AuCuNiPdPt. <i>Acta Materialia</i> , 2020 , 185, 400-411	8.4	12
141	Solid solution strengthening and deformation behavior of single-phase Cu-base alloys under tribological load. <i>Acta Materialia</i> , 2020 , 185, 300-308	8.4	15
140	Dislocation-based serrated plastic flow of high entropy alloys at cryogenic temperatures. <i>Acta Materialia</i> , 2020 , 200, 980-991	8.4	10
139	Comparison of cryogenic deformation of the concentrated solid solutions CoCrFeMnNi, CoCrNi and CoNi. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020 , 783, 139290	5.3	21
138	The ternary AlMoTi system revisited: Phase equilibria of Al ₆₃ (Mo,Ti) ₃₇ . <i>Journal of Alloys and Compounds</i> , 2019 , 811, 152055	5.7	2

137	Promoting abnormal grain growth in Fe-based shape memory alloys through compositional adjustments. <i>Nature Communications</i> , 2019 , 10, 2337	17.4	40
136	A comparison study of dislocation density, recrystallization and grain growth among nickel, FeNiCo ternary alloy and FeNiCoCrMn high entropy alloy. <i>Journal of Alloys and Compounds</i> , 2019 , 790, 266-273	5.7	8
135	Microstructure, Texture, and Mechanical Properties of Laminar Metal Composites Produced by Accumulative Roll Bonding. <i>Advanced Engineering Materials</i> , 2019 , 21, 1800210	3.5	8
134	Deformation mechanisms of nil temperature ductile polycrystalline B2 intermetallic compound YAg. <i>Acta Materialia</i> , 2018 , 151, 149-158	8.4	4
133	Thermomechanical processing of In-containing β -type Ti-Nb alloys. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018 , 79, 283-291	4.1	10
132	Peculiarities of deformation of CoCrFeMnNi at cryogenic temperatures. <i>Journal of Materials Research</i> , 2018 , 33, 3287-3300	2.5	35
131	Ultrafine-grained CuAg7Zr0.05 alloy with fully recrystallized microstructure. <i>Materialia</i> , 2018 , 3, 162-168	3.2	5
130	Getting magnetocaloric materials into good shape: Cold-working of La(Fe, Co, Si) ₁₃ by powder-in-tube-processing. <i>Materials Today Energy</i> , 2018 , 9, 223-228	7	17
129	Copper and Copper Alloys. <i>Springer Handbooks</i> , 2018 , 297-305	1.3	7
128	Entropy Determination of Single-Phase High Entropy Alloys with Different Crystal Structures over a Wide Temperature Range. <i>Entropy</i> , 2018 , 20,	2.8	30
127	High temperature phase equilibria in the Ti-poor part of the AlMoTi system. <i>Journal of Alloys and Compounds</i> , 2017 , 706, 616-628	5.7	4
126	The impact of dislocations on coercivity in L10-MnAl. <i>Journal of Alloys and Compounds</i> , 2017 , 704, 528-536	3.7	44
125	High-temperature phase equilibria with the bcc-type ϵ -(AlMo) phase in the binary AlMo system. <i>Intermetallics</i> , 2017 , 83, 29-37	3.5	7
124	Effect of thermomechanical processing on the mechanical biofunctionality of a low modulus Ti-40Nb alloy. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017 , 65, 137-150	4.1	43
123	Face Centred Cubic Multi-Component Equiatomic Solid Solutions in the Au-Cu-Ni-Pd-Pt System. <i>Metals</i> , 2017 , 7, 135	2.3	15
122	Al-Ti Particulate Composite: Processing and Studies on Particle Twinning, Microstructure, and Thermal Stability. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2016 , 47, 4226-4238	2.3	19
121	Thermal stability of electrical and mechanical properties of cryo-drawn Cu and CuZr wires. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 651, 567-573	5.3	10
120	Ti/Al Multi-Layered Sheets: Accumulative Roll Bonding (Part A). <i>Metals</i> , 2016 , 6, 30	2.3	11

119	Ti/Al Multi-Layered Sheets: Differential Speed Rolling (Part B). <i>Metals</i> , 2016 , 6, 31	2.3	6
118	Nanostructure formation mechanism during in-situ consolidation of copper by room-temperature ball milling. <i>Materials & Design</i> , 2015 , 65, 1083-1090		5
117	Efficiency of the refinement by deformation twinning in wire drawn single phase copper alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 624, 71-78	5.3	12
116	Solute redistribution during annealing of a cold rolled Cu ₃ Ag alloy. <i>Journal of Alloys and Compounds</i> , 2015 , 623, 96-103	5.7	17
115	Comparison of Room Temperature and Cryo-Deformation Effects on Mechanical Properties and Microstructure of Copper. <i>Transactions of the Indian Institute of Metals</i> , 2015 , 68, 131-135	1.2	
114	The Effect of Thermomechanical Treatment on the Microstructure and the Mechanical Behavior of a Supersaturated Cu-Ag Alloy. <i>Materials Science Forum</i> , 2015 , 812, 53-58	0.4	4
113	Texture development in Ti/Al filament wires produced by accumulative swaging and bundling. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 607, 360-367	5.3	7
112	Mechanism of nanostructure formation in ball-milled Cu and Cu ₃ Zn studied by X-ray diffraction line profile analysis. <i>Journal of Alloys and Compounds</i> , 2014 , 588, 138-143	5.7	5
111	Assessment of the thermodynamic dimension of the stacking fault energy. <i>Philosophical Magazine</i> , 2014 , 94, 2967-2979	1.6	19
110	Processing of High Strength Light-Weight Metallic Composites. <i>Advanced Engineering Materials</i> , 2014 , 16, 1208-1216	3.5	11
109	Mechanical behavior and tensile/compressive strength asymmetry of ultrafine structured Ti ₅ Nb ₃ Ni ₂ CoAl alloys with bi-modal grain size distribution. <i>Materials & Design</i> , 2014 , 62, 14-20		21
108	Glow discharge plasma as a surface preparation tool for microstructure investigations. <i>Materials Characterization</i> , 2014 , 91, 76-88	3.9	16
107	Nucleation and growth mechanism of Ag precipitates in a CuAgZr alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 610, 85-90	5.3	15
106	Microstructure evolution during annealing of an SPD- processed supersaturated Cu ₃ at.% Ag alloy. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014 , 63, 012091	0.4	5
105	The Strengthening Effect of Phase Boundaries in a Severely Plastically Deformed Ti-Al Composite Wire. <i>Metals</i> , 2014 , 4, 37-54	2.3	4
104	Deformation and fracture behavior of composite structured Ti-Nb-Al-Co(-Ni) alloys. <i>Applied Physics Letters</i> , 2014 , 104, 071905	3.4	17
103	Dynamic recrystallisation and precipitation behaviour of high strength and highly conducting Cu ₃ AgZr-alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 597, 139-147	5.3	31
102	Microstructure and mechanical properties of new composite structured Ti ₅ Nb ₃ Ni ₂ CoAl alloys for spring applications. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 603, 76-83	5.3	22

101	Highly alloyed NiW substrates for low AC loss applications. <i>Superconductor Science and Technology</i> , 2013 , 26, 085024	3.1	32
100	Properties of cryo-drawn copper with severely twinned microstructure. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 588, 132-141	5.3	17
99	Grain Refinement and Deformation Mechanisms in Room Temperature Severe Plastic Deformed Mg-AZ31. <i>Metals</i> , 2013 , 3, 283-297	2.3	15
98	Formation of nanostructure and abnormal annealing behavior of a CuAgZr alloy processed by high-pressure torsion. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 568, 184-194	5.3	17
97	Influence of boron and oxygen on the microstructure and mechanical properties of high-strength Ti66Nb13Cu8Ni6.8Al6.2 alloys. <i>Acta Materialia</i> , 2013 , 61, 3324-3334	8.4	17
96	Effect of microstructure on the mechanical properties of as-cast Ti-Nb-Al-Cu-Ni alloys for biomedical application. <i>Materials Science and Engineering C</i> , 2013 , 33, 4795-801	8.3	31
95	High strength and ductile ultrafine-grained CuAg alloy through bimodal grain size, dislocation density and solute distribution. <i>Acta Materialia</i> , 2013 , 61, 228-238	8.4	87
94	Processing of Intermetallic Titanium Aluminide Wires. <i>Metals</i> , 2013 , 3, 188-201	2.3	14
93	Twinning Phenomena along and beyond the Bain Path. <i>Metals</i> , 2013 , 3, 319-336	2.3	7
92	Metallographic Preparation of Aluminium-Titanium Composites. <i>Praktische Metallographie/Practical Metallography</i> , 2013 , 50, 739-753	0.3	8
91	Probing the anisotropy constants of SmCo5 and PrCo5 by Hall resistance measurements in pulsed high magnetic fields up to 47T. <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 1711-1714	2.8	7
90	On the low-cycle fatigue response of pre-strained austenitic Fe61Mn24Ni6.5Cr8.5 alloy showing TWIP effect. <i>International Journal of Fatigue</i> , 2012 , 40, 51-60	5	51
89	The Preparation of Magnesium Specimens for EBSD Using Ion Polishing. <i>Praktische Metallographie/Practical Metallography</i> , 2012 , 49, 290-304	0.3	8
88	Critical current scaling and anisotropy in oxypnictide superconductors. <i>Physical Review Letters</i> , 2011 , 106, 137001	7.4	56
87	Deformation induced thermoremanent magnetisation in an FeMnNiCr antiferromagnetic alloy. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 3726-3734	5.7	6
86	Ti-Al Composite Wires with High Specific Strength. <i>Metals</i> , 2011 , 1, 79-97	2.3	16
85	Effect of stacking fault energy on deformation behavior of cryo-rolled copper and copper alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 529, 230-236	5.3	72
84	Effect of martensitic phase transformation on the ductility of polycrystalline YCu. <i>Scripta Materialia</i> , 2011 , 65, 779-782	5.6	11

83	First steps towards cube textured nickel profile wires for YBCO-coated conductors. <i>Physica C: Superconductivity and Its Applications</i> , 2011 , 471, 549-552	1.3	1
82	Appearance of dislocation-mediated and twinning-induced plasticity in an engineering-grade FeMnNiCr alloy. <i>Acta Materialia</i> , 2011 , 59, 7711-7723	8.4	29
81	Severe deformation twinning in pure copper by cryogenic wire drawing. <i>Acta Materialia</i> , 2011 , 59, 7816-7823	8.4	34
80	J_c Scaling and Anisotropies in Co-Doped Ba-122 Thin Films. <i>IEEE Transactions on Applied Superconductivity</i> , 2011 , 21, 2887-2890	1.8	20
79	Irreversibility field up to 42 T of GdBa ₂ Cu ₃ O _{7-x} thin films grown by PLD and its dependence on deposition parameters. <i>Superconductor Science and Technology</i> , 2010 , 23, 105017	3.1	10
78	Magnetism in polymorphic phases: Case of PrIr ₂ Si ₂ . <i>Physical Review B</i> , 2010 , 81,	3.3	13
77	Application of textured highly alloyed NiW tapes for preparing coated conductor architectures. <i>Superconductor Science and Technology</i> , 2010 , 23, 034015	3.1	15
76	High upper critical fields and evidence of weak-link behavior in superconducting LaFeAsO _{1-x} F _x thin films. <i>Physical Review Letters</i> , 2010 , 104, 077001	7.4	68
75	Textured Ni ₉₀ W ₁₀ at.% W substrate tapes for YBCO-coated conductors. <i>Superconductor Science and Technology</i> , 2010 , 23, 085012	3.1	34
74	Mechanical behaviour of heavily deformed CuAgZr conductor materials. <i>Journal of Physics: Conference Series</i> , 2010 , 240, 012112	0.3	7
73	Upper critical fields up to 60 T and the vortex matter phase diagram of arsenic-deficient LaO _{0.9} F _{0.1} FeAs _{1-x} . <i>Journal of Physics: Conference Series</i> , 2010 , 234, 012013	0.3	1
72	Microstructural inhomogeneities in CuAgZr alloys due to heavy plastic deformation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 606-613	5.3	18
71	Quantum Transport and Cyclotron Resonance Study of Ge/SiGe Quantum Wells in High Magnetic Fields. <i>Journal of Low Temperature Physics</i> , 2010 , 159, 222-225	1.3	5
70	Upper Critical Field Measurements up to 60 T in Arsenic-Deficient LaO _{0.9} F _{0.1} FeAs _{1-x} Pauli Limiting Behavior at High Fields vs. Improved Superconductivity at Low Fields. <i>Journal of Low Temperature Physics</i> , 2010 , 159, 164-167	1.3	1
69	Paramagnetic substrates for thin film superconductors: NiW and NiWCr. <i>Scripta Materialia</i> , 2010 , 62, 512-515	5.6	20
68	Damascene Light-Weight Metals. <i>Advanced Engineering Materials</i> , 2010 , 12, 1191-1197	3.5	9
67	Evidence for Pauli-limiting behaviour at high fields and enhanced upper critical fields near T _c in several disordered FeAs based superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2010 , 470, S288-S290	1.3	3
66	g-Factor of low mobility 2D GaAs electron gas as determined from high magnetic field experiments. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010 , 42, 960-963	3	3

65	Non-destructive pulsed field CuAg-solenoids. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 2004-2013	5.3	30
64	Role of stacking fault energy in strengthening due to cryo-deformation of FCC metals. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 7624-7630	5.3	123
63	Studies on recrystallization of single-phase copper alloys by resistance measurements. <i>Acta Materialia</i> , 2010 , 58, 2324-2329	8.4	32
62	Orbital and spin effects for the upper critical field in As-deficient disordered Fe pnictide superconductors. <i>New Journal of Physics</i> , 2009 , 11, 075007	2.9	64
61	Tuning functional properties by plastic deformation. <i>New Journal of Physics</i> , 2009 , 11, 083013	2.9	5
60	Strain Enhanced High Strength CuAgZr Conductors. <i>Materials Science Forum</i> , 2009 , 633-634, 707-715	0.4	1
59	Grain growth in NiMnGa alloys. <i>Journal of Alloys and Compounds</i> , 2009 , 488, 420-424	5.7	2
58	Effects of strain on magnetic and transport properties of Co films on plastic substrates. <i>Journal of Applied Physics</i> , 2009 , 105, 07C302	2.5	14
57	High-field pauli-limiting behavior and strongly enhanced upper critical magnetic fields near the transition temperature of an arsenic-deficient LaO _{0.9} F _{0.1} FeAs _{1-δ} superconductor. <i>Physical Review Letters</i> , 2008 , 101, 237003	7.4	76
56	Simultaneous measurement of magnetization and magnetostriction in 50 T pulsed high magnetic fields. <i>Review of Scientific Instruments</i> , 2008 , 79, 063902	1.7	10
55	Publisher's Note: High-Field Pauli-Limiting Behavior and Strongly Enhanced Upper Critical Magnetic Fields near the Transition Temperature of the Arsenic-Deficient LaO _{0.9} F _{0.1} FeAs _{1-δ} Superconductor [Phys. Rev. Lett. 101, 237003 (2008)]. <i>Physical Review Letters</i> , 2008 , 101,	7.4	2
54	Electron effective mass and Si-donor binding energy in GaAs _{1-x} N _{x} probed by a high magnetic field. <i>Physical Review B</i> , 2008 , 77,	3.3	10
53	Towards Flexible Magnetoelectronics: Buffer-Enhanced and Mechanically Tunable GMR of Co/Cu Multilayers on Plastic Substrates. <i>Advanced Materials</i> , 2008 , 20, 3224-3228	24	101
52	Fatigue of highly strengthened CuAg alloys. <i>International Journal of Fatigue</i> , 2008 , 30, 437-443	5	13
51	High-field magnetization measurements in Sr ₂ CrReO ₆ double perovskite: Evidence for orbital contribution to the magnetization. <i>Europhysics Letters</i> , 2007 , 78, 17006	1.6	28
50	Assessment of the high temperature deformation behavior of molybdenum silicide alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 463, 216-223	5.3	71
49	Magnetic and superconducting properties of RuSr ₂ GdCu ₂ O ₈ . <i>Physica C: Superconductivity and Its Applications</i> , 2007 , 460-462, 390-391	1.3	5
48	Fermi surfaces of the half-Heusler compounds. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 310, e261-e263	2.8	2

47	Dresden pulsed magnetic field facility. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 310, 2728-2730		31
46	Magnetic-field-induced miniband conduction in semiconductor superlattices. <i>Physical Review B</i> , 2007 , 76,	3-3	15
45	Magnetization of RuSr ₂ GdCu ₂ O ₈ in pulsed magnetic fields up to 47T. <i>Physical Review B</i> , 2007 , 75,	3-3	9
44	Phase formation and ferrimagnetism of GdCo ₉ Si ₄ . <i>Journal of Physics Condensed Matter</i> , 2006 , 18, 4567-4580	4-8	11
43	High thermal stability of mechanically-alloyed nanocrystalline Cu ₃ Nb alloys. <i>International Journal of Materials Research</i> , 2006 , 97, 1350-1354	0-5	6
42	. <i>IEEE Transactions on Applied Superconductivity</i> , 2006 , 16, 1680-1683	1-8	10
41	Magnetostriction of 4f-electron compounds in high magnetic fields. <i>Journal of Physics: Conference Series</i> , 2006 , 51, 561-564	0-3	2
40	The magnetic properties of the multi-functional intermetallic compound Pr _{1-x} Y _x La _x Pb _y Te in high magnetic fields. <i>Journal of Physics: Conference Series</i> , 2006 , 51, 67-70	0-3	
39	High field investigation on the ferrimagnetic systems GdCo ₉ Si _{4+x} (0.2 ≤ x ≤ 0.2) and TbCo ₉ Si ₄ . <i>Journal of Physics: Conference Series</i> , 2006 , 51, 139-142	0-3	3
38	High magnetic field study of RuSr ₂ GdCu ₂ O ₈ . <i>Journal of Physics: Conference Series</i> , 2006 , 51, 411-414	0-3	1
37	Magnetoresistance up to 50T of highly strengthened Cu ₃ Ag conductors for pulsed high field magnets. <i>Cryogenics</i> , 2006 , 46, 724-729	1-8	16
36	Mechanical and electrical properties of mechanically alloyed nanocrystalline Cu ₃ Nb alloys. <i>Acta Materialia</i> , 2006 , 54, 3333-3341	8-4	124
35	Novel Cu ₃ Nb-wires: Processing and characterisation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 416, 261-268	5-3	19
34	Effect of Zr additions on the microstructure, and the mechanical and electrical properties of Cu ₃ wt.%Ag alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 437, 313-322	5-3	86
33	Microstructural evolution and its effect on the mechanical properties of Cu ₃ Ag microcomposites. <i>International Journal of Materials Research</i> , 2004 , 95, 425-432		35
32	Mechanical alloying of copper with niobium and molybdenum. <i>Journal of Materials Science</i> , 2004 , 39, 5287-5290	4-3	35
31	Formation of the microstructure in Cu-Nb alloys. <i>Journal of Materials Science</i> , 2004 , 39, 5343-5345	4-3	10
30	Non-magnetic superconducting R(Ni,Pt) ₂ B ₂ C compounds (R=Y, Lu) in the clean and dirty limit. <i>Physica C: Superconductivity and Its Applications</i> , 2004 , 408-410, 107-108	1-3	8

29	CuNb alloys prepared by mechanical alloying and subsequent heat treatment. <i>Journal of Alloys and Compounds</i> , 2004 , 365, 157-163	5.7	43
28	The High Field Project at Dresden/Rossendorf: A Pulsed 100 T/10 ms Laboratory at an Infrared Free-Electron-Laser Facility. <i>Journal of Low Temperature Physics</i> , 2003 , 133, 41-59	1.3	24
27	Mechanical behaviour of high nitrogen stainless steel reinforced conductor for use in pulsed high field magnets at cryogenic temperature. <i>Cryogenics</i> , 2003 , 43, 133-136	1.8	16
26	Superconductivity and electronic structure in MgCNi ₃ . <i>Physica C: Superconductivity and Its Applications</i> , 2003 , 388-389, 563-564	1.3	7
25	Specific heat in the mixed state of non-magnetic borocarbides. <i>Physica C: Superconductivity and Its Applications</i> , 2003 , 388-389, 183-184	1.3	1
24	Supersaturated solid solution of niobium in copper by mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2003 , 351, 119-125	5.7	85
23	Specific heat and disorder in the mixed state of non-magnetic borocarbides. <i>Europhysics Letters</i> , 2002 , 58, 435-441	1.6	22
22	Specific heat and disorder in the mixed state of non-magnetic borocarbides and a comparison with exotic superconductors 2002 , 245-254		
21	A brief comparison of superconductivity in borocarbides and cuprates. <i>Physica C: Superconductivity and Its Applications</i> , 2001 , 364-365, 31-36	1.3	14
20	Superconducting and normal state properties of Y _{1-x} Pr _x Ni ₂ B ₂ C. <i>Physica C: Superconductivity and Its Applications</i> , 2001 , 364-365, 571-574	1.3	6
19	Miscibility gaps in R _x R' _{1-x} Ni ₂ B ₂ C compounds. <i>Materials Research Bulletin</i> , 2001 , 36, 117-121	5.1	4
18	Specific Heat of Y _x Lu _{1-x} Ni ₂ B ₂ C in the Mixed State 2001 , 89-94		1
17	Coexistence of Superconductivity and Magnetism in Borocarbides 2001 , 145-166		
16	Magnetic Order and Superconductivity in Ho _{1-x} Lu _x Ni ₂ B ₂ C 2001 , 255-264		
15	Impurity Scattering in Rare-Earth Nickel Borocarbides 2001 , 275-280		
14	Anomalous Behavior of Pr-Based Borocarbides: Comparison with Cuprates 2001 , 171-180		1
13	Magnetic excitations in Tm _{0.05} Y _{0.95} Ni ₂ B ₂ C. <i>Physica B: Condensed Matter</i> , 2000 , 276-278, 630-631	2.8	2
12	Magnetic structures and their propagation vectors in diluted holmium nickel borocarbides. <i>Physica B: Condensed Matter</i> , 2000 , 276-278, 554-555	2.8	4

11	Why PrNi ₂ B ₂ C does not superconduct?. <i>Physica B: Condensed Matter</i> , 2000 , 284-288, 535-536	2.8	8
10	Suppression of superconductivity in R _x Y _{1-x} Ni ₂ B ₂ C compounds by paramagnetic impurities. <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 339, 195-200	1.3	9
9	Superconductivity in clean and disordered nonmagnetic borocarbides. <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 341-348, 749-750	1.3	10
8	Hall-effect in LuNi ₂ B ₂ C in normal and superconducting mixed states. <i>Solid State Communications</i> , 1999 , 109, 549-554	1.6	7
7	Superconducting rare earth transition metal borocarbides. <i>Physica C: Superconductivity and Its Applications</i> , 1999 , 317-318, 117-126	1.3	51
6	Suppression of superconductivity by nonmagnetic impurities, structural properties and magnetic ordering in Ho _x La _{1-x} Ni ₂ B ₂ C. <i>Physica C: Superconductivity and Its Applications</i> , 1999 , 315, 91-98	1.3	17
5	Anomalous Behaviour of PrNi ₂ B ₂ C Borocarbide. <i>Journal of Low Temperature Physics</i> , 1999 , 117, 1599-1603		15
4	Evidence of tetragonal to orthorhombic distortion of HoNi ₂ B ₂ C in the magnetically ordered state. <i>Journal of Applied Physics</i> , 1999 , 85, 6058-6060	2.5	29
3	Breakdown of de Gennes scaling in Ho _x Lu _{1-x} Ni ₂ B ₂ C. <i>Journal of Magnetism and Magnetic Materials</i> , 1998 , 187, 309-317	2.8	23
2	Superconductivity and disorder in Y _x Lu _{1-x} Ni ₂ B ₂ C. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 306, 1-6	1.3	60
1	Magnetic structure and dynamics of Ho _x Y _{1-x} Ni ₂ B ₂ C. <i>Physica B: Condensed Matter</i> , 1997 , 241-243, 839-841	2.8	1