Jens Freudenberger

List of Publications by Citations

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	Mechanical and electrical properties of mechanically alloyed nanocrystalline CuNb alloys. *Acta Materialia*, **2006**, 54, 3333-3341	8.4	124
153	Role of stacking fault energy in strengthening due to cryo-deformation of FCC metals. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2010**, 527, 7624-7630	5.3	123
152	Towards Flexible Magnetoelectronics: Buffer-Enhanced and Mechanically Tunable GMR of Co/Cu Multilayers on Plastic Substrates. *Advanced Materials*, **2008**, 20, 3224-3228	24	101
151	High strength and ductile ultrafine-grained CuAg alloy through bimodal grain size, dislocation density and solute distribution. *Acta Materialia*, **2013**, 61, 228-238	8.4	87
150	Effect of Zr additions on the microstructure, and the mechanical and electrical properties of Cu wt.%Ag alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2006**, 437, 313-322	5.3	86
149	Supersaturated solid solution of niobium in copper by mechanical alloying. *Journal of Alloys and Compounds*, **2003**, 351, 119-125	5.7	85
148	High-field pauli-limiting behavior and strongly enhanced upper critical magnetic fields near the transition temperature of an arsenic-deficient LaO0.9F0.1FeAs1-delta superconductor. *Physical Review Letters*, **2008**, 101, 237003	7.4	76
147	Effect of stacking fault energy on deformation behavior of cryo-rolled copper and copper alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2011**, 529, 230-236	5.3	72
146	Assessment of the high temperature deformation behavior of molybdenum silicide alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2007**, 463, 216-223	5.3	71
145	High upper critical fields and evidence of weak-link behavior in superconducting LaFeAsO1-xFx thin films. *Physical Review Letters*, **2010**, 104, 077001	7.4	68
144	Orbital and spin effects for the upper critical field in As-deficient disordered Fe pnictide superconductors. *New Journal of Physics*, **2009**, 11, 075007	2.9	64
143	Superconductivity and disorder in YxLu1NiB2C. *Physica C: Superconductivity and Its Applications*, **1998**, 306, 1-6	1.3	60
142	Critical current scaling and anisotropy in oxypnictide superconductors. *Physical Review Letters*, **2011**, 106, 137001	7.4	56
141	On the low-cycle fatigue response of pre-strained austenitic Fe61Mn24Ni6.5Cr8.5 alloy showing TWIP effect. *International Journal of Fatigue*, **2012**, 40, 51-60	5	51
140	Superconducting rare earth transition metal borocarbides. *Physica C: Superconductivity and Its Applications*, **1999**, 317-318, 117-126	1.3	51
139	The impact of dislocations on coercivity in L10-MnAl. *Journal of Alloys and Compounds*, **2017**, 704, 528-536	3.7	44
138	Effect of thermomechanical processing on the mechanical biofunctionality of a low modulus Ti-40Nb alloy. *Journal of the Mechanical Behavior of Biomedical Materials*, **2017**, 65, 137-150	4.1	43

137	CuNb alloys prepared by mechanical alloying and subsequent heat treatment. *Journal of Alloys and Compounds*, **2004**, 365, 157-163	5.7	43
136	Promoting abnormal grain growth in Fe-based shape memory alloys through compositional adjustments. *Nature Communications*, **2019**, 10, 2337	17.4	40
135	Peculiarities of deformation of CoCrFeMnNi at cryogenic temperatures. *Journal of Materials Research*, **2018**, 33, 3287-3300	2.5	35
134	Microstructural evolution and its effect on the mechanical properties of CuAg microcomposites. *International Journal of Materials Research*, **2004**, 95, 425-432		35
133	Mechanical alloying of copper with niobium and molybdenum. *Journal of Materials Science*, **2004**, 39, 5287-5290	4.3	35
132	Severe deformation twinning in pure copper by cryogenic wire drawing. *Acta Materialia*, **2011**, 59, 7816-7823	8.4	34
131	Textured Ni9.0 at.% W substrate tapes for YBCO-coated conductors. *Superconductor Science and Technology*, **2010**, 23, 085012	3.1	34
130	Highly alloyed NiW substrates for low AC loss applications. *Superconductor Science and Technology* , **2013**, 26, 085024	3.1	32
129	Studies on recrystallization of single-phase copper alloys by resistance measurements. *Acta Materialia*, **2010**, 58, 2324-2329	8.4	32
128	Effect of microstructure on the mechanical properties of as-cast Ti-Nb-Al-Cu-Ni alloys for biomedical application. *Materials Science and Engineering C*, **2013**, 33, 4795-801	8.3	31
127	Dynamic recrystallisation and precipitation behaviour of high strength and highly conducting CuAgZr-alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2014**, 597, 139-147	5.3	31
126	Dresden pulsed magnetic field facility. *Journal of Magnetism and Magnetic Materials*, **2007**, 310, 2728-2730	2.8	31
125	Non-destructive pulsed field CuAg-solenoids. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2010**, 527, 2004-2013	5.3	30
124	Entropy Determination of Single-Phase High Entropy Alloys with Different Crystal Structures over a Wide Temperature Range. *Entropy*, **2018**, 20,	2.8	30
123	Appearance of dislocation-mediated and twinning-induced plasticity in an engineering-grade FeMnNiCr alloy. *Acta Materialia*, **2011**, 59, 7711-7723	8.4	29
122	Evidence of tetragonal to orthorhombic distortion of HoNi2B2C in the magnetically ordered state. *Journal of Applied Physics*, **1999**, 85, 6058-6060	2.5	29
121	High-field magnetization measurements in Sr 2 CrReO 6 double perovskite: Evidence for orbital contribution to the magnetization. *Europhysics Letters*, **2007**, 78, 17006	1.6	28
120	The High Field Project at Dresden/Rossendorf: A Pulsed 100 T/10 ms Laboratory at an Infrared Free-Electron-Laser Facility. *Journal of Low Temperature Physics*, **2003**, 133, 41-59	1.3	24

119	Breakdown of de Gennes scaling in HoxLu1−xNi2B2C. *Journal of Magnetism and Magnetic Materials*, **1998**, 187, 309-317	2.8	23
118	Superior low-cycle fatigue properties of CoCrNi compared to CoCrFeMnNi. *Scripta Materialia*, **2021**, 194, 113667	5.6	23
117	Microstructure and mechanical properties of new composite structured Ti–V–Al–Cu–Ni alloys for spring applications. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2014**, 603, 76-83	5.3	22
116	Specific heat and disorder in the mixed state of non-magnetic borocarbides. *Europhysics Letters*, **2002**, 58, 435-441	1.6	22
115	Mechanical behavior and tensile/compressive strength asymmetry of ultrafine structured Ti–Nb–Ni–Co–Al alloys with bi-modal grain size distribution. *Materials & Design*, **2014**, 62, 14-20		21
114	Comparison of cryogenic deformation of the concentrated solid solutions CoCrFeMnNi, CoCrNi and CoNi. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2020**, 783, 139290	5.3	21
113	$J_{rm c}$ Scaling and Anisotropies in Co-Doped Ba-122 Thin Films. *IEEE Transactions on Applied Superconductivity*, **2011**, 21, 2887-2890	1.8	20
112	Paramagnetic substrates for thin film superconductors: Ni–V and Ni–V–Cr. *Scripta Materialia*, **2010**, 62, 512-515	5.6	20
111	Al-Ti Particulate Composite: Processing and Studies on Particle Twinning, Microstructure, and Thermal Stability. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2016**, 47, 4226-4238	2.3	19
110	Assessment of the thermodynamic dimension of the stacking fault energy. *Philosophical Magazine*, **2014**, 94, 2967-2979	1.6	19
109	Novel Cu–Nb-wires: Processing and characterisation. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2006**, 416, 261-268	5.3	19
108	Microstructural inhomogeneities in Cu–Ag–Zr alloys due to heavy plastic deformation. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2010**, 527, 606-613	5.3	18
107	Solute redistribution during annealing of a cold rolled Cu–Ag alloy. *Journal of Alloys and Compounds* , **2015**, 623, 96-103	5.7	17
106	Getting magnetocaloric materials into good shape: Cold-working of La(Fe, Co, Si)13 by powder-in-tube-processing. *Materials Today Energy*, **2018**, 9, 223-228	7	17
105	Properties of cryo-drawn copper with severely twinned microstructure. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2013**, 588, 132-141	5.3	17
104	Formation of nanostructure and abnormal annealing behavior of a Cu–Ag–Zr alloy processed by high-pressuretorsion. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2013**, 568, 184-194	5.3	17
103	Influence of boron and oxygen on the microstructure and mechanical properties of high-strength Ti66Nb13Cu8Ni6.8Al6.2 alloys. *Acta Materialia*, **2013**, 61, 3324-3334	8.4	17
102	Deformation and fracture behavior of composite structured Ti-Nb-Al-Co(-Ni) alloys. *Applied Physics Letters*, **2014**, 104, 071905	3.4	17

101	Suppression of superconductivity by nonmagnetic impurities, structural properties and magnetic ordering in HoxLa1−xNi2B2C. *Physica C: Superconductivity and Its Applications*, **1999**, 315, 91-98	1.3	17
100	Glow discharge plasma as a surface preparation tool for microstructure investigations. *Materials Characterization*, **2014**, 91, 76-88	3.9	16
99	Ti-Al Composite Wires with High Specific Strength. *Metals*, **2011**, 1, 79-97	2.3	16
98	Magnetoresistance up to 50T of highly strengthened Cu–Ag conductors for pulsed high field magnets. *Cryogenics*, **2006**, 46, 724-729	1.8	16
97	Mechanical behaviour of high nitrogen stainless steel reinforced conductor for use in pulsed high field magnets at cryogenic temperature. *Cryogenics*, **2003**, 43, 133-136	1.8	16
96	Nucleation and growth mechanism of Ag precipitates in a CuAgZr alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2014**, 610, 85-90	5.3	15
95	Grain Refinement and Deformation Mechanisms in Room Temperature Severe Plastic Deformed Mg-AZ31. *Metals*, **2013**, 3, 283-297	2.3	15
94	Face Centred Cubic Multi-Component Equiatomic Solid Solutions in the Au-Cu-Ni-Pd-Pt System. *Metals*, **2017**, 7, 135	2.3	15
93	Application of textured highly alloyed Ni–W tapes for preparing coated conductor architectures. *Superconductor Science and Technology*, **2010**, 23, 034015	3.1	15
92	Magnetic-field-induced miniband conduction in semiconductor superlattices. *Physical Review B*, **2007**, 76,	3.3	15
91	Anomalous Behaviour of PrNi2B2C Borocarbide. *Journal of Low Temperature Physics*, **1999**, 117, 1599-1603	1.3	15
90	Solid solution strengthening and deformation behavior of single-phase Cu-base alloys under tribological load. *Acta Materialia*, **2020**, 185, 300-308	8.4	15
89	Processing of Intermetallic Titanium Aluminide Wires. *Metals*, **2013**, 3, 188-201	2.3	14
88	Effects of strain on magnetic and transport properties of Co films on plastic substrates. *Journal of Applied Physics*, **2009**, 105, 07C302	2.5	14
87	A brief comparison of superconductivity in borocarbides and cuprates. *Physica C: Superconductivity and Its Applications*, **2001**, 364-365, 31-36	1.3	14
86	Magnetism in polymorphic phases: Case of PrIr2Si2. *Physical Review B*, **2010**, 81,	3.3	13
85	Fatigue of highly strengthened Cu–Ag alloys. *International Journal of Fatigue*, **2008**, 30, 437-443	5	13
84	Efficiency of the refinement by deformation twinning in wire drawn single phase copper alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2015**, 624, 71-78	5.3	12

83	Origins of strength and plasticity in the precious metal based high-entropy alloy AuCuNiPdPt. *Acta Materialia*, **2020**, 185, 400-411	8.4	12
82	Processing of High Strength Light-Weight Metallic Composites. *Advanced Engineering Materials*, **2014**, 16, 1208-1216	3.5	11
81	Effect of martensitic phase transformation on the ductility of polycrystalline YCu. *Scripta Materialia* , **2011**, 65, 779-782	5.6	11
80	Phase formation and ferrimagnetism of GdCo9Si4. *Journal of Physics Condensed Matter*, **2006**, 18, 4567-4580	1.8	11
79	Ti/Al Multi-Layered Sheets: Accumulative Roll Bonding (Part A). *Metals*, **2016**, 6, 30	2.3	11
78	Thermomechanical processing of In-containing type Ti-Nb alloys. *Journal of the Mechanical Behavior of Biomedical Materials*, **2018**, 79, 283-291	4.1	10
77	Thermal stability of electrical and mechanical properties of cryo-drawn Cu and CuZr wires. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2016**, 651, 567-573	5.3	10
76	Irreversibility field up to 42 T of GdBa2Cu3O7- hin films grown by PLD and its dependence on deposition parameters. *Superconductor Science and Technology*, **2010**, 23, 105017	3.1	10
75	Simultaneous measurement of magnetization and magnetostriction in 50 T pulsed high magnetic fields. *Review of Scientific Instruments*, **2008**, 79, 063902	1.7	10
74	Electron effective mass and Si-donor binding energy in GaAs1 Nx probed by a high magnetic field. *Physical Review B*, **2008**, 77,	3.3	10
73	. *IEEE Transactions on Applied Superconductivity*, **2006**, 16, 1680-1683	1.8	10
72	Formation of the microstructure in Cu-Nb alloys. *Journal of Materials Science*, **2004**, 39, 5343-5345	4.3	10
71	Superconductivity in clean and disordered nonmagnetic borocarbides. *Physica C: Superconductivity and Its Applications*, **2000**, 341-348, 749-750	1.3	10
70	Dislocation-based serrated plastic flow of high entropy alloys at cryogenic temperatures. *Acta Materialia*, **2020**, 200, 980-991	8.4	10
69	Damascene Light-Weight Metals. *Advanced Engineering Materials*, **2010**, 12, 1191-1197	3.5	9
68	Magnetization of RuSr2GdCu2O8 in pulsed magnetic fields up to 47T. *Physical Review B*, **2007**, 75,	3.3	9
67	Suppression of superconductivity in RxY1 Ni2B2C compounds by paramagnetic impurities. *Physica C: Superconductivity and Its Applications*, **2000**, 339, 195-200	1.3	9
66	A comparison study of dislocation density, recrystallization and grain growth among nickel, FeNiCo ternary alloy and FeNiCoCrMn high entropy alloy. *Journal of Alloys and Compounds*, **2019**, 790, 266-273	5.7	8

65	Microstructure, Texture, and Mechanical Properties of Laminar Metal Composites Produced by Accumulative Roll Bonding. *Advanced Engineering Materials*, **2019**, 21, 1800210	3.5	8
64	Non-magnetic superconducting R(Ni,Pt)2B2C compounds (R=Y, Lu) in the clean and dirty limit. *Physica C: Superconductivity and Its Applications*, **2004**, 408-410, 107-108	1.3	8
63	Why PrNi2B2C does not superconduct?. *Physica B: Condensed Matter*, **2000**, 284-288, 535-536	2.8	8
62	The Preparation of Magnesium Specimens for EBSD Using Ion Polishing. *Praktische Metallographie/Practical Metallography*, **2012**, 49, 290-304	0.3	8
61	Metallographic Preparation of Aluminium-Titanium Composites. *Praktische Metallographie/Practical Metallography*, **2013**, 50, 739-753	0.3	8
60	High-temperature phase equilibria with the bcc-type □(AlMo) phase in the binary Al□Mo system. *Intermetallics*, **2017**, 83, 29-37	3.5	7
59	Texture development in Ti/Al filament wires produced by accumulative swaging and bundling. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2014**, 607, 360-367	5.3	7
58	Probing the anisotropy constants of SmCo5 and PrCo5 by Hall resistance measurements in pulsed high magnetic fields up to 47T. *Journal of Magnetism and Magnetic Materials*, **2012**, 324, 1711-1714	2.8	7
57	Twinning Phenomena along and beyond the Bain Path. *Metals*, **2013**, 3, 319-336	2.3	7
56	Mechanical behaviour of heavily deformed CuAgZr conductor materials. *Journal of Physics: Conference Series*, **2010**, 240, 012112	0.3	7
55	Superconductivity and electronic structure in MgCNi3. *Physica C: Superconductivity and Its Applications*, **2003**, 388-389, 563-564	1.3	7
54	Hall-effect in LuNi2B2C in normal and superconducting mixed states. *Solid State Communications*, **1999**, 109, 549-554	1.6	7
53	Copper and Copper Alloys. *Springer Handbooks*, **2018**, 297-305	1.3	7
52	Deformation mechanisms of CoCrFeMnNi high-entropy alloy under low-cycle-fatigue loading. *Acta Materialia*, **2021**, 215, 117089	8.4	7
51	Breakdown of Varvenne scaling in (AuNiPdPt)1□Cu high-entropy alloys. *Scripta Materialia*, **2020**, 181, 15-18	5.6	6
50	Deformation induced thermoremanent magnetisation in an FeMnNiCr antiferromagnetic alloy. *Journal of Alloys and Compounds*, **2011**, 509, 3726-3734	5.7	6
49	High thermal stability of mechanically-alloyed nanocrystalline Cu□Nb alloys. *International Journal of Materials Research*, **2006**, 97, 1350-1354	0.5	6
48	Superconducting and normal state properties of Y1□PrxNi2B2C. *Physica C: Superconductivity and Its Applications*, **2001**, 364-365, 571-574	1.3	6

47	Ti/Al Multi-Layered Sheets: Differential Speed Rolling (Part B). *Metals*, **2016**, 6, 31	2.3	6
46	Nanostructure formation mechanism during in-situ consolidation of copper by room-temperature ball milling. *Materials & Design*, **2015**, 65, 1083-1090		5
45	Ultrafine-grained CuAg7Zr0.05 alloy with fully recrystallized microstructure. *Materialia*, **2018**, 3, 162-168	3.2	5
44	Mechanism of nanostructure formation in ball-milled Cu and Cu wt%Zn studied by X-ray diffraction line profile analysis. *Journal of Alloys and Compounds*, **2014**, 588, 138-143	5.7	5
43	Microstructure evolution during annealing of an SPD- processed supersaturated Cu at.% Ag alloy. *IOP Conference Series: Materials Science and Engineering*, **2014**, 63, 012091	0.4	5
42	Tuning functional properties by plastic deformation. *New Journal of Physics*, **2009**, 11, 083013	2.9	5
41	Quantum Transport and Cyclotron Resonance Study of Ge/SiGe Quantum Wells in High Magnetic Fields. *Journal of Low Temperature Physics*, **2010**, 159, 222-225	1.3	5
40	Magnetic and superconducting properties of RuSr2GdCu2O8. *Physica C: Superconductivity and Its Applications*, **2007**, 460-462, 390-391	1.3	5
39	High temperature phase equilibria in the Ti-poor part of the Al Mo Ti system. *Journal of Alloys and Compounds*, **2017**, 706, 616-628	5.7	4
38	Deformation mechanisms of nil temperature ductile polycrystalline B2 intermetallic compound YAg. *Acta Materialia*, **2018**, 151, 149-158	8.4	4
37	The Effect of Thermomechanical Treatment on the Microstructure and the Mechanical Behavior of a Supersaturated Cu-Ag Alloy. *Materials Science Forum*, **2015**, 812, 53-58	0.4	4
36	The Strengthening Effect of Phase Boundaries in a Severely Plastically Deformed Ti-Al Composite Wire. *Metals*, **2014**, 4, 37-54	2.3	4
35	Miscibility gaps in RxR?1-xNi2B2C compounds. *Materials Research Bulletin*, **2001**, 36, 117-121	5.1	4
34	Magnetic structures and their propagation vectors in diluted holmium nickel borocarbides. *Physica B: Condensed Matter*, **2000**, 276-278, 554-555	2.8	4
33	Entropy of Conduction Electrons from Transport Experiments. *Entropy*, **2020**, 22,	2.8	3
32	Evidence for Pauli-limiting behaviour at high fields and enhanced upper critical fields near Tc in several disordered FeAs based superconductors. *Physica C: Superconductivity and Its Applications*, **2010**, 470, S288-S290	1.3	3
31	g-Factor of low mobility 2D GaAs electron gas as determined from high magnetic field experiments. *Physica E: Low-Dimensional Systems and Nanostructures*, **2010**, 42, 960-963	3	3
30	High field investigation on the ferrimagnetic systems GdCo9 Si4+x(0.2 ?x? 0.2) and TbCo9Si4. *Journal of Physics: Conference Series*, **2006**, 51, 139-142	0.3	3

29	The ternary Al–Mo–Ti system revisited: Phase equilibria of Al63(Mo,Ti)37. *Journal of Alloys and Compounds*, **2019**, 811, 152055	5.7	2
28	Predicting the dominating factors during heat transfer in magnetocaloric composite wires. *Materials and Design*, **2020**, 193, 108832	8.1	2
27	Grain growth in Ni–Mn–Ga alloys. *Journal of Alloys and Compounds*, **2009**, 488, 420-424	5.7	2
26	Publisher's Note: High-Field Pauli-Limiting Behavior and Strongly Enhanced Upper Critical Magnetic Fields near the Transition Temperature of the Arsenic-Deficient LaO0.9F0.1FeAs1− Superconductor [Phys. Rev. Lett. 101, 237003 (2008)]. *Physical Review Letters*, **2008**, 101,	7.4	2
25	Fermi surfaces of the half-Heusler compounds. *Journal of Magnetism and Magnetic Materials*, **2007**, 310, e261-e263	2.8	2
24	Magnetostriction of 4f-electron compounds in high magnetic fields. *Journal of Physics: Conference Series*, **2006**, 51, 561-564	0.3	2
23	Magnetic excitations in Tm0.05Y0.95Ni211B2C. *Physica B: Condensed Matter*, **2000**, 276-278, 630-631	2.8	2
22	Low temperature deformation mechanisms of single crystalline intermetallic compound YAg. *Scripta Materialia*, **2020**, 186, 95-98	5.6	1
21	First steps towards cube textured nickel profile wires for YBCO-coated conductors. *Physica C: Superconductivity and Its Applications*, **2011**, 471, 549-552	1.3	1
20	Strain Enhanced High Strength Cu–Ag–Zr Conductors. *Materials Science Forum*, **2009**, 633-634, 707-715	0.4	1
19	Upper critical fields up to 60 T and the vortex matter phase diagram of arsenic-deficient LaO0.9F0.1FeAs1− *Journal of Physics: Conference Series*, **2010**, 234, 012013	0.3	1
18	Upper Critical Field Measurements up to 60 T in Arsenic-Deficient LaO0.9F0.1FeAs1− Pauli Limiting Behavior at High Fields vs. Improved Superconductivity at Low Fields. *Journal of Low Temperature Physics*, **2010**, 159, 164-167	1.3	1
17	Magnetic structure and dynamics of HoxY1–xNi211B2C. *Physica B: Condensed Matter*, **1997**, 241-243, 839-841	2.8	1
16	High magnetic field study of RuSr2GdCu2O8. *Journal of Physics: Conference Series*, **2006**, 51, 411-414	0.3	1
15	Specific heat in the mixed state of non-magnetic borocarbides. *Physica C: Superconductivity and Its Applications*, **2003**, 388-389, 183-184	1.3	1
14	Specific Heat of YxLu1-xNi2B2C in the Mixed State **2001**, 89-94		1
13	Anomalous Behavior of Pr-Based Borocarbides: Comparison with Cuprates **2001**, 171-180		1
12	Micro-mechanical deformation behavior of CoCrFeMnNi high-entropy alloy. *Journal of Materials Science and Technology*, **2022**, 100, 237-245	9.1	1

11	Evaluation of the effective temperature change in Gd-based composite wires assessed by static and pulsed-field magnetic measurements. *Journal of Magnetism and Magnetic Materials*, **2021**, 536, 168115	2.8	0
10	Comparison of Room Temperature and Cryo-Deformation Effects on Mechanical Properties and Microstructure of Copper. *Transactions of the Indian Institute of Metals*, **2015**, 68, 131-135	1.2	
9	The magnetic properties of the multi-functional intermetallic compound Pr1-x-yLaxPbyTe in high magnetic fields. *Journal of Physics: Conference Series*, **2006**, 51, 67-70	0.3	
8	Low temperature deformation mechanisms of polycrystalline CoZr and Co39Ni11Zr50 B2-type intermetallic compounds. *Acta Materialia*, **2022**, 223, 117489	8.4	
7	TiAl-based semi-finished material produced by reaction annealing of Ti/Al layered composite sheets. *Materials Today Communications*, **2022**, 30, 103083	2.5	
6	Coexistence of Superconductivity and Magnetism in Borocarbides **2001**, 145-166		
5	Magnetic Order and Superconductivity in Ho1-xLu(Y)xNi2B2C **2001**, 255-264		
4	Impurity Scattering in Rare-Earth Nickel Borocarbides **2001**, 275-280		
3	Specific heat and disorder in the mixed state of non- magnetic borocarbides and a comparison with exotic superconductors **2002**, 245-254		
2	Revealing the Role of Cross Slip for Serrated Plastic Deformation in Concentrated Solid Solutions at Cryogenic Temperatures. *Metals*, **2022**, 12, 514	2.3	
1	Microstructural evolution and its effect on the mechanical properties of Cu□Ag microcomposites. *International Journal of Materials Research*, **2022**, 95, 425-432	0.5	