Jens Freudenberger

List of Publications by Year
in descending order

156	3,674	117571	175177
papers	citations	34 h-index	52 g-index

156	156	156	3128
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mechanical and electrical properties of mechanically alloyed nanocrystalline Cuâ€“Nb alloys. Acta Materialia, 2006, 54, 3333-3341.	3.8	161
2	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.	2.6	147
3	Towards Flexible Magnetoelectronics: Bufferâ€Enhanced and Mechanically Tunable GMR of Co/Cu Multilayers on Plastic Substrates. Advanced Materials, 2008, 20, 3224-3228.	11.1	115
4	High strength and ductile ultrafine-grained Cuâ€“Ag alloy through bimodal grain size, dislocation density and solute distribution. Acta Materialia, 2013, 61, 228-238.	3.8	110
5	Supersaturated solid solution of niobium in copper by mechanical alloying. Journal of Alloys and Compounds, 2003, 351, 119-125.	2.8	101
6	Effect of Zr additions on the microstructure, and the mechanical and electrical properties of Cuâ€“7â€‰wt.%Ag alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 437, 313-322.	2.6	97
7	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.	2.6	88
8	High-Field Pauli-Limiting Behavior and Strongly Enhanced Upper Critical Magnetic Fields near the Transition Temperature of an Arsenic-Deficient<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>LaO</mml:mi><mml:mn>0.9</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="bold">F</mml:mi><mml:mn>0.1</mml:mn></mml:msub><mml:msub><mml:mi>FeAs</mml:mi><mml:mrow><mml:mn>1</mml:mn> Physical Review Letters, 2008, 101, 237003.	2.9	85
9	Promoting abnormal grain growth in Fe-based shape memory alloys through compositional adjustments. Nature Communications, 2019, 10, 2337.	5.8	79
10	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.	2.6	75
11	High Upper Critical Fields and Evidence of Weak-Link Behavior in Superconducting<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>LaFeAsO</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub><mml:msub><mml:mi mathvariant="bold">F</mml:mi><mml:mi>x</mml:mi></mml:msub></mml:math>Thin Films. Physical Review Letters, 2010, 104, 077001.	2.9	71
12	Superconductivity and disorder in YxLu1â^’xNi2B2C. Physica C: Superconductivity and Its Applications, 1998, 306, 1-6.	0.6	69
13	Orbital and spin effects for the upper critical field in As-deficient disordered Fe pnictide superconductors. New Journal of Physics, 2009, 11, 075007.	1.2	68
14	Superior low-cycle fatigue properties of CoCrNi compared to CoCrFeMnNi. Scripta Materialia, 2021, 194, 113667.	2.6	66
15	The impact of dislocations on coercivity in L10-MnAl. Journal of Alloys and Compounds, 2017, 704, 528-536.	2.8	61
16	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.	1.5	61
17	Critical Current Scaling and Anisotropy in Oxypnictide Superconductors. Physical Review Letters, 2011, 106, 137001.	2.9	60
18	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.	2.8	59

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19	Superconducting rare earth transition metal borocarbides. Physica C: Superconductivity and Its Applications, 1999, 317-318, 117-126.	0.6	56
20	Peculiarities of deformation of CoCrFeMnNi at cryogenic temperatures. Journal of Materials Research, 2018, 33, 3287-3300.	1.2	56
21	Cuâ€“Nb alloys prepared by mechanical alloying and subsequent heat treatment. Journal of Alloys and Compounds, 2004, 365, 157-163.	2.8	49
22	Entropy Determination of Single-Phase High Entropy Alloys with Different Crystal Structures over a Wide Temperature Range. Entropy, 2018, 20, 654.	1.1	49
23	Deformation mechanisms of CoCrFeMnNi high-entropy alloy under low-cycle-fatigue loading. Acta Materialia, 2021, 215, 117089.	3.8	44
24	Mechanical alloying of copper with niobium and molybdenum. Journal of Materials Science, 2004, 39, 5287-5290.	1.7	43
25	Non-destructive pulsed field CuAg-solenoids. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 2004-2013.	2.6	43
26	Microstructural evolution and its effect on the mechanical properties of Cuâ€“Ag microcomposites. International Journal of Materials Research, 2004, 95, 425-432.	0.8	42
27	Dynamic recrystallisation and precipitation behaviour of high strength and highly conducting Cuâ€“Agâ€“Zr-alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 597, 139-147.	2.6	42
28	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.	2.6	41
29	Studies on recrystallization of single-phase copper alloys by resistance measurements. Acta Materialia, 2010, 58, 2324-2329.	3.8	40
30	Severe deformation twinning in pure copper by cryogenic wire drawing. Acta Materialia, 2011, 59, 7816-7823.	3.8	39
31	Effect of microstructure on the mechanical properties of as-cast Tiâ€“Nbâ€“Alâ€“Cuâ€“Ni alloys for biomedical application. Materials Science and Engineering C, 2013, 33, 4795-4801.	3.8	39
32	Mechanical properties of Cu-based Micro- and Macrocomposites. Advanced Engineering Materials, 2002, 4, 677-681.	1.6	38
33	Highly alloyed Niâ€“W substrates for low AC loss applications. Superconductor Science and Technology, 2013, 26, 085024.	1.8	38
34	Dresden pulsed magnetic field facility. Journal of Magnetism and Magnetic Materials, 2007, 310, 2728-2730.	1.0	35
35	Textured Niâ€“9.0 at.% W substrate tapes for YBCO-coated conductors. Superconductor Science and Technology, 2010, 23, 085012.	1.8	35
36	High-field magnetization measurements in Sr 2 CrReO 6 double perovskite: Evidence for orbital contribution to the magnetization. Europhysics Letters, 2007, 78, 17006.	0.7	34

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37	Appearance of dislocation-mediated and twinning-induced plasticity in an engineering-grade FeMnNiCr alloy. Acta Materialia, 2011, 59, 7711-7723.	3.8	32
38	Evidence of tetragonal to orthorhombic distortion of HoNi2B2C in the magnetically ordered state. Journal of Applied Physics, 1999, 85, 6058-6060.	1.1	31
39	Origins of strength and plasticity in the precious metal based high-entropy alloy AuCuNiPdPt. Acta Materialia, 2020, 185, 400-411.	3.8	30
40	Breakdown of de Gennes scaling in HoxLu1â^'xNi2B2C. Journal of Magnetism and Magnetic Materials, 1998, 187, 309-317.	1.0	28
41	Title is missing!. Journal of Low Temperature Physics, 2003, 133, 41-59.	0.6	27
42	Dislocation-based serrated plastic flow of high entropy alloys at cryogenic temperatures. Acta Materialia, 2020, 200, 980-991.	3.8	27
43	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.	2.5	26
44	Specific heat and disorder in the mixed state of non-magnetic borocarbides. Europhysics Letters, 2002, 58, 435-441.	0.7	25
45	Face Centred Cubic Multi-Component Equiatomic Solid Solutions in the Au-Cu-Ni-Pd-Pt System. Metals, 2017, 7, 135.	1.0	25
46	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.	2.8	25
47	Mechanical behavior and tensile/compressive strength asymmetry of ultrafine structured Tiâ€“Nbâ€“Niâ€“Coâ€“Al alloys with bi-modal grain size distribution. Materials & Design, 2014, 62, 14-20.	5.1	24
48	Solid solution strengthening and deformation behavior of single-phase Cu-base alloys under tribological load. Acta Materialia, 2020, 185, 300-308.	3.8	24
49	Microstructure and mechanical properties of new composite structured Tiâ€“Vâ€“Alâ€“Cuâ€“Ni alloys for spring applications. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 603, 76-83.	2.6	23
50	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.	1.1	23
51	Novel Cuâ€“Nb-wires: Processing and characterisation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 416, 261-268.	2.6	22
52	Paramagnetic substrates for thin film superconductors: Niâ€“W and Niâ€“Wâ€“Cr. Scripta Materialia, 2010, 62, 512-515.	2.6	22
53	$J_{m c}$ Scaling and Anisotropies in Co-Doped Ba-122 Thin Films. IEEE Transactions on Applied Superconductivity, 2011, 21, 2887-2890.	1.1	22
54	Grain Refinement and Deformation Mechanisms in Room Temperature Severe Plastic Deformed Mg-AZ31. Metals, 2013, 3, 283-297.	1.0	22

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55	Assessment of the thermodynamic dimension of the stacking fault energy. Philosophical Magazine, 2014, 94, 2967-2979.	0.7	22
56	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.	2.6	22
57	Suppression of superconductivity by nonmagnetic impurities, structural properties and magnetic ordering in HoxLa1â^'xNi2B2C. Physica C: Superconductivity and Its Applications, 1999, 315, 91-98.	0.6	21
58	Properties of cryo-drawn copper with severely twinned microstructure. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 588, 132-141.	2.6	21
59	Formation of nanostructure and abnormal annealing behavior of a Cuâ€“Agâ€“Zr alloy processed by high-pressuretorsion. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 568, 184-194.	2.6	21
60	Influence of boron and oxygen on the microstructure and mechanical properties of high-strength Ti66Nb13Cu8Ni6.8Al6.2 alloys. Acta Materialia, 2013, 61, 3324-3334.	3.8	21
61	Deformation and fracture behavior of composite structured Ti-Nb-Al-Co(-Ni) alloys. Applied Physics Letters, 2014, 104, 071905.	1.5	20
62	Microstructural inhomogeneities in Cuâ€“Agâ€“Zr alloys due to heavy plastic deformation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 606-613.	2.6	19
63	Application of textured highly alloyed Niâ€“W tapes for preparing coated conductor architectures. Superconductor Science and Technology, 2010, 23, 034015.	1.8	19
64	Effects of strain on magnetic and transport properties of Co films on plastic substrates. Journal of Applied Physics, 2009, 105, 07C302.	1.1	18
65	Ti-Al Composite Wires with High Specific Strength. Metals, 2011, 1, 79-97.	1.0	18
66	Magnetoresistance up to 50T of highly strengthened Cuâ€“Ag conductors for pulsed high field magnets. Cryogenics, 2006, 46, 724-729.	0.9	17
67	Glow discharge plasma as a surface preparation tool for microstructure investigations. Materials Characterization, 2014, 91, 76-88.	1.9	17
68	Solute redistribution during annealing of a cold rolled Cuâ€“Ag alloy. Journal of Alloys and Compounds, 2015, 623, 96-103.	2.8	17
69	Thermomechanical processing of In-containing Î²-type Ti-Nb alloys. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 79, 283-291.	1.5	17
70	Breakdown of Varvenne scaling in (AuNiPdPt)<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si4.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>Cu high-entropy alloys. Scripta Materialia, 2020, 181, 15-18.	2.6	17
71	Anomalous Behaviour of PrNi2B2C Borocarbide. Journal of Low Temperature Physics, 1999, 117, 1599-1603.	0.6	16
72	Mechanical behaviour of high nitrogen stainless steel reinforced conductor for use in pulsed high field magnets at cryogenic temperature. Cryogenics, 2003, 43, 133-136.	0.9	16

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73	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.	2.6	16
74	Ti/Al Multi-Layered Sheets: Accumulative Roll Bonding (Part A). Metals, 2016, 6, 30.	1.0	16
75	Micro-mechanical deformation behavior of CoCrFeMnNi high-entropy alloy. Journal of Materials Science and Technology, 2022, 100, 237-245.	5.6	16
76	A brief comparison of superconductivity in borocarbides and cuprates. Physica C: Superconductivity and Its Applications, 2001, 364-365, 31-36.	0.6	15
77	Magnetic-field-induced miniband conduction in semiconductor superlattices. Physical Review B, 2007, 76, .	1.1	15
78	Magnetism in polymorphic phases: Case of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>PrIr</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msu Physical Review B, 2010, 81, .	1.1	15
79	Processing of Intermetallic Titanium Aluminide Wires. Metals, 2013, 3, 188-201.	1.0	15
80	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.	2.6	15
81	Fatigue of highly strengthened Cuâ€“Ag alloys. International Journal of Fatigue, 2008, 30, 437-443.	2.8	13
82	Electron effective mass and Si-donor binding energy inGaAs1â^'xNxprobed by a high magnetic field. Physical Review B, 2008, 77, .	1.1	13
83	Formation of the microstructure in Cu-Nb alloys. Journal of Materials Science, 2004, 39, 5343-5345.	1.7	12
84	Pulsed Magnetsâ€”Advances in Coil Design Using Finite Element Analysis. IEEE Transactions on Applied Superconductivity, 2006, 16, 1680-1683.	1.1	12
85	Effect of martensitic phase transformation on the ductility of polycrystalline YCu. Scripta Materialia, 2011, 65, 779-782.	2.6	12
86	Twinning Phenomena along and beyond the Bain Path. Metals, 2013, 3, 319-336.	1.0	12
87	Processing of High Strength Lightâ€Weight Metallic Composites. Advanced Engineering Materials, 2014, 16, 1208-1216.	1.6	12
88	High-temperature phase equilibria with the bcc-type Î² (AlMo) phase in the binary Alâ€“Mo system. Intermetallics, 2017, 83, 29-37.	1.8	12
89	Microstructure, Texture, and Mechanical Properties of Laminar Metal Composites Produced by Accumulative Roll Bonding. Advanced Engineering Materials, 2019, 21, 1800210.	1.6	12
90	Phase formation and ferrimagnetism of GdCo9Si4. Journal of Physics Condensed Matter, 2006, 18, 4567-4580.	0.7	11

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91	Simultaneous measurement of magnetization and magnetostriction in 50T pulsed high magnetic fields. Review of Scientific Instruments, 2008, 79, 063902.	0.6	11
92	Suppression of superconductivity in RxY1â^'xNi2B2C compounds by paramagnetic impurities. Physica C: Superconductivity and Its Applications, 2000, 339, 195-200.	0.6	10
93	Superconductivity in clean and disordered nonmagnetic borocarbides. Physica C: Superconductivity and Its Applications, 2000, 341-348, 749-750.	0.6	10
94	Damascene Lightâ€Weight Metals. Advanced Engineering Materials, 2010, 12, 1191-1197.	1.6	10
95	Irreversibility field up to 42 T of GdBa₂Cu₃O_{7-Î´}thin films grown by PLD and its dependence on deposition parameters. Superconductor Science and Technology, 2010, 23, 105017.	1.8	10
96	Hall-effect in LuNi2B2C in normal and superconducting mixed states. Solid State Communications, 1999, 109, 549-554.	0.9	9
97	Why PrNi2B2C does not superconduct?. Physica B: Condensed Matter, 2000, 284-288, 535-536.	1.3	9
98	Magnetization ofRuSr2GdCu2O8in pulsed magnetic fields up to47T. Physical Review B, 2007, 75, .	1.1	9
99	Copper and Copper Alloys. Springer Handbooks, 2018, , 297-305.	0.3	9
100	The Preparation of Magnesium Specimens for EBSD Using Ion Polishing. Praktische Metallographie/Practical Metallography, 2012, 49, 290-304.	0.1	9
101	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.	0.6	8
102	Mechanical behaviour of heavily deformed CuAgZr conductor materials. Journal of Physics: Conference Series, 2010, 240, 012112.	0.3	8
103	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.	2.6	8
104	Ti/Al Multi-Layered Sheets: Differential Speed Rolling (Part B). Metals, 2016, 6, 31.	1.0	8
105	Ultrafine-grained CuAg7Zr0.05 alloy with fully recrystallized microstructure. Materialia, 2018, 3, 162-168.	1.3	8
106	Metallographic Preparation of Aluminium-Titanium Composites. Praktische Metallographie/Practical Metallography, 2013, 50, 739-753.	0.1	8
107	Superconducting and normal state properties of Y1â^'xPrxNi2B2C. Physica C: Superconductivity and Its Applications, 2001, 364-365, 571-574.	0.6	7
108	Superconductivity and electronic structure in MgCNi3. Physica C: Superconductivity and Its Applications, 2003, 388-389, 563-564.	0.6	7

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109	High thermal stability of mechanically-alloyed nanocrystalline Cuâ€“Nb alloys. International Journal of Materials Research, 2006, 97, 1350-1354.	0.1	7
110	Quantum Transport and Cyclotron Resonance Study ofÂGe/SiGe Quantum Wells in High Magnetic Fields. Journal of Low Temperature Physics, 2010, 159, 222-225.	0.6	7
111	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.	1.0	7
112	Nanostructure formation mechanism during in-situ consolidation of copper by room-temperature ball milling. Materials & Design, 2015, 65, 1083-1090.	5.1	7
113	The ternary Alâ€“Moâ€“Ti system revisited: Phase equilibria of Al63(Mo,Ti)37. Journal of Alloys and Compounds, 2019, 811, 152055.	2.8	7
114	Predicting the dominating factors during heat transfer in magnetocaloric composite wires. Materials and Design, 2020, 193, 108832.	3.3	7
115	Deformation induced thermoremanent magnetisation in an FeMnNiCr antiferromagnetic alloy. Journal of Alloys and Compounds, 2011, 509, 3726-3734.	2.8	6
116	Mechanism of nanostructure formation in ball-milled Cu and Cuâ€“3wt%Zn studied by X-ray diffraction line profile analysis. Journal of Alloys and Compounds, 2014, 588, 138-143.	2.8	6
117	High temperature phase equilibria in the Ti-poor part of the Alâ€“Moâ€“Ti system. Journal of Alloys and Compounds, 2017, 706, 616-628.	2.8	6
118	Magnetic and superconducting properties of RuSr2GdCu2O8. Physica C: Superconductivity and Its Applications, 2007, 460-462, 390-391.	0.6	5
119	Tuning functional properties by plastic deformation. New Journal of Physics, 2009, 11, 083013.	1.2	5
120	Microstructure evolution during annealing of an SPD- processed supersaturated Cu â€“ 3 at.% Ag alloy. IOP Conference Series: Materials Science and Engineering, 2014, 63, 012091.	0.3	5
121	Deformation mechanisms of nil temperature ductile polycrystalline B2 intermetallic compound YAg. Acta Materialia, 2018, 151, 149-158.	3.8	5
122	Magnetic structures and their propagation vectors in diluted holmium nickel borocarbides. Physica B: Condensed Matter, 2000, 276-278, 554-555.	1.3	4
123	Miscibility gaps in RxRâ€²1-xNi2B2C compounds. Materials Research Bulletin, 2001, 36, 117-121.	2.7	4
124	Fermi surfaces of the half-Heusler compounds. Journal of Magnetism and Magnetic Materials, 2007, 310, e261-e263.	1.0	4
125	The Strengthening Effect of Phase Boundaries in a Severely Plastically Deformed Ti-Al Composite Wire. Metals, 2014, 4, 37-54.	1.0	4
126	The Effect of Thermomechanical Treatment on the Microstructure and the Mechanical Behavior of a Supersaturated Cu-Ag Alloy. Materials Science Forum, 0, 812, 53-58.	0.3	4

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127	Entropy of Conduction Electrons from Transport Experiments. Entropy, 2020, 22, 244.	1.1	4
128	High field investigation on the ferrimagnetic systems GdCo9â^'xSi4+x(â^'0.2 â©½xâ©½ 0.2) and TbCo9Si4. Journal of Physics: Conference Series, 2006, 51, 139-142.	0.3	3
129	Evidence for Pauli-limiting behaviour at high fields and enhanced upper critical fields near <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si15.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mi>T</mml:mi></mml:mrow><mml:mrow><mml:mi>c</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:math> in several disordered FeAs based superconductors. Physica C: Superconductivity and Its Applications, 2010, 470, S288-S290.	1.6	3
130	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.	1.3	3
131	Magnetic excitations in. Physica B: Condensed Matter, 2000, 276-278, 630-631.	1.3	2
132	Magnetostriction of 4f-electron compounds in high magnetic fields. Journal of Physics: Conference Series, 2006, 51, 561-564.	0.3	2
133	Publisherâ€™s Note: High-Field Pauli-Limiting Behavior and Strongly Enhanced Upper Critical Magnetic Fields near the Transition Temperature of the Arsenic-DeficientLaO0.9F0.1FeAs1â^'Î´Superconductor [Phys. Rev. Lett.101, 237003 (2008)]. Physical Review Letters, 2008, 101, .	2.9	2
134	Grain growth in Niâ€“Mnâ€“Ga alloys. Journal of Alloys and Compounds, 2009, 488, 420-424.	2.8	2
135	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.	1.0	2
136	Anomalous Behavior of Pr-Based Borocarbides: Comparison with Cuprates. , 2001, , 171-180.		2
137	Low temperature deformation mechanisms of polycrystalline CoZr and Co39Ni11Zr50 B2-type intermetallic compounds. Acta Materialia, 2022, 223, 117489.	3.8	2
138	Magnetic structure and dynamics of HoxY1â^'xNi211B2C. Physica B: Condensed Matter, 1997, 241-243, 839-841.	1.3	1
139	Specific heat and disorder in the mixed state of non-magnetic borocarbides. Europhysics Letters, 2002, 59, 633-633.	0.7	1
140	Specific heat in the mixed state of non-magnetic borocarbides. Physica C: Superconductivity and Its Applications, 2003, 388-389, 183-184.	0.6	1
141	High magnetic field study of RuSr2GdCu2O8. Journal of Physics: Conference Series, 2006, 51, 411-414.	0.3	1
142	Strain Enhanced High Strength Cuâ€“Agâ€“Zr Conductors. Materials Science Forum, 2009, 633-634, 707-715.	0.3	1
143	Upper critical fields up to 60 T and the vortex matter phase diagram of arsenic-deficient LaO_{0.9}F_{0.1}FeAs_{1â^'Î´}. Journal of Physics: Conference Series, 2010, 234, 012013.	0.3	1
144	Upper Critical Field Measurements up to 60ÂT inÂArsenic-Deficient LaO0.9F0.1FeAs1â^'Î´ : Pauli Limiting Behavior at High Fields vs. Improved Superconductivity at Low Fields. Journal of Low Temperature Physics, 2010, 159, 164-167.	0.6	1

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145	First steps towards cube textured nickel profile wires for YBCO-coated conductors. Physica C: Superconductivity and Its Applications, 2011, 471, 549-552.	0.6	1
146	Low temperature deformation mechanisms of single crystalline intermetallic compound YAg. Scripta Materialia, 2020, 186, 95-98.	2.6	1
147	Specific Heat of YxLu1-xNi2B2C in the Mixed State. , 2001, , 89-94.		1
148	TiAl-based semi-finished material produced by reaction annealing of Ti/Al layered composite sheets. Materials Today Communications, 2022, 30, 103083.	0.9	1
149	Revealing the Role of Cross Slip for Serrated Plastic Deformation in Concentrated Solid Solutions at Cryogenic Temperatures. Metals, 2022, 12, 514.	1.0	1
150	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	0
151	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.	0.7	0
152	Coexistence of Superconductivity and Magnetism in Borocarbides. , 2001, , 145-166.		0
153	Magnetic Order and Superconductivity in Ho1-xLu(Y)xNi2B2C. , 2001, , 255-264.		0
154	Impurity Scattering in Rare-Earth Nickel Borocarbides. , 2001, , 275-280.		0
155	Specific heat and disorder in the mixed state of non- magnetic borocarbides and a comparison with exotic superconductors. , 2002, , 245-254.		0
156	Microstructural evolution and its effect on the mechanical properties of Cuâ€“Ag microcomposites. International Journal of Materials Research, 2022, 95, 425-432.	0.1	0