Andreas Leineweber

List of Publications by Year
in descending order

139 papers	2,801 citations	201575 27 h-index	254106 43 g-index
140 all docs	140 docs citations	140 times ranked	2525 citing authors

#	Article	IF	Citations
1	Laves phases: a review of their functional and structural applications and an improved fundamental understanding of stability and properties. Journal of Materials Science, 2021, 56, 5321-5427.	1.7	186
2	Îµ-Fe3N: magnetic structure, magnetization and temperature dependent disorder of nitrogen. Journal of Alloys and Compounds, 1999, 288, 79-87.	2.8	112
3	Ordering of Nitrogen in Nickel Nitride Ni3N Determined by Neutron Diffraction. Inorganic Chemistry, 2001, 40, 5818-5822.	1.9	110
4	Nitrogen ordering and ferromagnetic properties of Ïµ-Fe3N1+x (0.10â‰xâ‰0.39) and Ïµ-Fe3(N0.80C0.20)1.38. Journal of Alloys and Compounds, 2001, 316, 21-38.	2.8	104
5	The manganese nitrides Î·â€Mn3N2 and Î¸â€Mn6N5 + x: nuclear and magnetic structures. Journal of Materials Chemistry, 2000, 10, 2827-2834.	6.7	101
6	The lattice parameters of Îµ-iron nitrides: lattice strains due to a varying degree of nitrogen ordering. Acta Materialia, 2004, 52, 173-180.	3.8	91
7	Elastic anisotropy of Î³â€²-Fe4N and elastic grain interaction in Î³â€²-Fe4N1â^'y layers on Î±-Fe: First-principles calculations and diffraction stress measurements. Acta Materialia, 2007, 55, 5833-5843.	3.8	78
8	Diffraction line broadening due to lattice-parameter variations caused by a spatially varying scalar variable: its orientation dependence caused by locally varying nitrogen content in â^Š-FeN0.433. Journal of Applied Crystallography, 2004, 37, 123-135.	1.9	60
9	Effect of Mn and cooling rates on Î±-, Î²- and Î´-Alâ€"Feâ€"Si intermetallic phase formation in a secondary Alâ€"Si alloy. Materialia, 2019, 5, 100198.	1.3	57
10	Understanding anisotropic microstrain broadening in Rietveld refinement. Zeitschrift FÃ¼r Kristallographie, 2011, 226, 905-923.	1.1	45
11	The effect of tuning the microstructure of TIPS-tetraazapentacene on the performance of solution processed thin film transistors. Journal of Materials Chemistry C, 2016, 4, 1194-1200.	2.7	44
12	High temperature axial ratios c/a in hcp-based Îµ-type interstitial nitrides MN with M=Mn, Fe, Ni. Journal of Alloys and Compounds, 2004, 384, 1-5.	2.8	42
13	On AgRhO2, and the new quaternary delafossites AgLi1/3M2/3O2, syntheses and analyses of real structures. Journal of Solid State Chemistry, 2011, 184, 1112-1119.	1.4	42
14	Unique high-temperature performance of highly condensed MnBi permanent magnets. Scripta Materialia, 2015, 107, 131-135.	2.6	42
15	Thermodynamics of the Fe-N and Fe-N-C Systems: The Fe-N and Fe-N-C Phase Diagrams Revisited. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 6173-6186.	1.1	42
16	Variation of the crystal structures of incommensurate LTâ€²-Ni1+Î´Sn (Î´=0.35, 0.38, 0.41) and commensurate LT-Ni1+Î´Sn (Î´=0.47, 0.50) with composition and annealing temperature. Journal of Solid State Chemistry, 2004, 177, 1197-1212.	1.4	37
17	The absence of a stable hexagonal Laves phase modification (NbCr2) in the Nbâ€"Cr system. Scripta Materialia, 2010, 62, 227-230.	2.6	35
18	The CERN FCC Conductor Development Program: A Worldwide Effort for the Future Generation of High-Field Magnets. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-9.	1.1	35

#	ARTICLE	IF	CITATIONS
19	Preparation and Crystal Structures of Mg(NH3)2Cl2, Mg(NH3)2Br2, and Mg(NH3)2I2. Journal of Solid State Chemistry, 1999, 147, 229-234.	1.4	33
20	Lattice-parameter change induced by accommodation of precipitate/matrix misfit; misfitting nitrides in ferrite. Acta Materialia, 2015, 98, 254-262.	3.8	33
21	Heat capacity of Fe-Al intermetallics: B2-FeAl, FeAl2, Fe2Al5 and Fe4Al13. Journal of Alloys and Compounds, 2017, 725, 848-859.	2.8	33
22	A NiAs/Ni2In-Type Phase Ni1+xSn (0.35<x<0.45) with Incommensurate Occupational Ordering of Ni. Journal of Solid State Chemistry, 2001, 159, 191-197.	1.4	32
23	Static atomic displacements of Sn in disordered NiAs/Ni2In type HT-Ni1+Î´Sn. Journal of Solid State Chemistry, 2004, 177, 936-945.	1.4	32
24	Sizeâ€“strain separation in diffraction line profile analysis. Journal of Applied Crystallography, 2018, 51, 831-843.	1.9	32
25	Notes on the order-of-reflection dependence of microstrain broadening. Journal of Applied Crystallography, 2010, 43, 981-989.	1.9	29
26	Hydrogenâ€Bond Reinforced Vanadia Nanofiber Paper of High Stiffness. Advanced Materials, 2013, 25, 2468-2473.	11.1	29
27	Layer-stacking irregularities in C36-type Nbâ€“Cr and Tiâ€“Cr Laves phases and their relation with polytypic phase transformations. Philosophical Magazine, 2010, 90, 3149-3175.	0.7	28
28	Simultaneous control of the nitrogen and carbon activities during nitrocarburising of iron. Surface and Coatings Technology, 2012, 206, 2780-2791.	2.2	28
29	Î²- and Î´-Al-Fe-Si intermetallic phase, their intergrowth and polytype formation. Journal of Alloys and Compounds, 2019, 780, 917-929.	2.8	27
30	On the microstructural and functional stability of Fe-Mn-Al-Ni at ambient and elevated temperatures. Scripta Materialia, 2019, 162, 442-446.	2.6	27
31	Theoretical analysis of occupational ordering in hexagonal interstitial compounds: carbides, nitrides and oxides with â€œÎµ-typeâ€•superstructures. Journal of Alloys and Compounds, 2000, 308, 178-188.	2.8	26
32	Crystal structure, layer defects, and the origin of plastic deformability of Nb2Co7. Intermetallics, 2012, 25, 34-41.	1.8	26
33	Anisotropic diffraction-line broadening due to microstrain distribution: parametrization opportunities. Journal of Applied Crystallography, 2006, 39, 509-518.	1.9	25
34	The kinetics of a polytypic Laves phase transformation in TiCr2. Intermetallics, 2011, 19, 526-535.	1.8	25
35	Microstructural and Phase Evolution of Compound Layers Growing on Î±â€“Iron During Gaseous Nitrocarburizing. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2012, 43, 2401-2413.	1.1	25
36	Intermetallic Sludge Formation in Fe Containing Secondary Alâ€“Si Alloys Influenced by Cr and Mn as Preparative Tool for Metal Melt Filtration. Advanced Engineering Materials, 2017, 19, 1700161.	1.6	25

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37	Crystal structures of Fe4C vs. Fe4N analysed by DFT calculations: Fcc-based interstitial superstructures explored. Acta Materialia, 2017, 140, 433-442.	3.8	25
38	On the synthesis and microstructure analysis of high performance MnBi. AIP Advances, 2016, 6, .	0.6	24
39	Atomic channel occupation in disordered Î·-Al5Fe2 and in two of its low-temperatures phases, Î·â€³ and Î·â€´. Intermetallics, 2018, 93, 251-262.	1.8	24
40	Powder-X-ray diffraction analysis of the crystal structure of the Î·â€²-Al8Fe3 (Î·â€²-Al2.67Fe) phase. Journal of Alloys and Compounds, 2017, 721, 691-696.	2.8	23
41	Nitrogen ordering in Î¶-manganese nitrides with hcp arrangement of Mn â€“ MnNy with 0.39 < y < 0.48 â€“ determined by neutron diffraction. Journal of Alloys and Compounds, 2004, 368, 229-247.	2.8	22
42	N,Nâ€²-Dihydrotetraazapentacenes (DHTA) in thin film transistors. Journal of Materials Chemistry C, 2015, 3, 1604-1609.	2.7	22
43	X-ray diffraction line-profile analysis of hexagonal<i>Ïµ</i>-iron nitride compound layers: compositionâ€“and stressâ€“depth profiles. Philosophical Magazine, 2008, 88, 145-169.	0.7	21
44	Microstrain-like diffraction-line broadening as exhibited by incommensurate phases in powder diffraction patterns. Journal of Applied Crystallography, 2007, 40, 1027-1034.	1.9	20
45	C-vacancy concentration in cementite, Fe3C1âˆ’, in equilibrium with Î±-Fe[C] and Î³-Fe[C]. Acta Materialia, 2015, 86, 374-384.	3.8	20
46	Side-group engineering: The influence of norbornadienyl substituents on the properties of ethynylated pentacene and tetraazapentacene. Organic Electronics, 2016, 33, 102-109.	1.4	20
47	Ordered and disordered states in NiAs/Ni₂In-type Ni_{1+Î´}Sn: Crystallography and order formation. International Journal of Materials Research, 2011, 102, 861-873.	0.1	19
48	The crystallographic growth directions of Sn whiskers. Acta Materialia, 2015, 86, 102-109.	3.8	19
49	Thermodynamic assessment and experimental investigation of the systems Alâ€“Feâ€“Mn and Alâ€“Feâ€“Mnâ€“Ni. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2019, 66, 101621.	0.7	19
50	Cu6Sn5 intermetallic: Reconciling composition and crystal structure. Scripta Materialia, 2020, 183, 66-70.	2.6	19
51	Incommensurately modulated LTâ€³-Ni1+Î´Sn (Î´=0.60, 0.63): Rietveld refinement, line-broadening analysis and structural relation with LT- and LTâ€²-Ni1+Î´Sn. Journal of Solid State Chemistry, 2009, 182, 1846-1855.	1.4	18
52	Polytypic transformations of the HfCr2 Laves phase â€“ Part I: Structural evolution as a function of temperature, time and composition. Intermetallics, 2011, 19, 1428-1441.	1.8	18
53	Effect of surface configurations on the room-temperature magnetism of pure ZnO. Journal of Materials Chemistry C, 2016, 4, 4166-4175.	2.7	18
54	Microstructural development and crystallographic properties of decomposing Feâ€“Nâ€“C compound layers. International Journal of Materials Research, 2016, 107, 203-216.	0.1	18

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55	Preparation and Crystal Structures of Ni(NH3)2Cl2 and of Two Modifications of Ni(NH3)2Br2 and Ni(NH3)2I2. Journal of Solid State Chemistry, 2000, 152, 381-387.	1.4	17
56	Approximate icosahedral symmetry of Î±-Al(Fe,Mn,Cr)Si in electron backscatter diffraction analysis of a secondary Al-Si casting alloy. Materials Characterization, 2018, 141, 406-411.	1.9	17
57	Preparation of single crystals of LaAl and X-ray structure determination. Journal of Alloys and Compounds, 1998, 278, L10-L12.	2.8	16
58	Anisotropic microstrain broadening due to field-tensor distributions. Journal of Applied Crystallography, 2007, 40, 362-370.	1.9	16
59	Microstructure and crystallography of massive cementite layers on ferrite substrates. Acta Materialia, 2008, 56, 5837-5844.	3.8	16
60	The Nature and Origin of â€œDouble Expanded Austeniteâ€•in Ni-Based Ni-Ti Alloys Developing Upon Low Temperature Gaseous Nitriding. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 4115-4131.	1.1	16
61	The crystal structure of (Nb0.75Cu0.25)Sn2 in the Cu-Nb-Sn system. Intermetallics, 2017, 80, 16-21.	1.8	16
62	A thermodynamic model for non-stoichiometric cementite; the Feâ€“C phase diagram. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2016, 52, 38-46.	0.7	15
63	Effect of Melt Conditioning on Removal of Fe from Secondary Al-Si Alloys Containing Mg, Mn, and Cr. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 6375-6389.	1.1	15
64	The monoclinic lattice distortion of Î·â€²-Cu6Sn5. Journal of Alloys and Compounds, 2019, 794, 491-500.	2.8	14
65	Thermodynamics of martensite formation in Feâ€“Mnâ€“Alâ€“Ni shape memory alloys. Scripta Materialia, 2021, 192, 26-31.	2.6	14
66	Mobility of nitrogen in Îµ-Fe3N below 150Â°C: The activation energy for reordering. Acta Materialia, 2007, 55, 6651-6658.	3.8	13
67	Metal Dependence of Network Dimensionality in 1,2,4â€Diazaphospholide Coordination Polymers. Chemistry - A European Journal, 2010, 16, 2982-2985.	1.7	13
68	Two-phase and three-phase crystallographic relationships in white-solidified and nitrided Fe-C-Si cast iron. Acta Materialia, 2019, 170, 240-252.	3.8	13
69	Transformationâ€“dislocation dipoles in Laves phases: A high-resolution transmission electron microscopy analysis. Journal of Materials Research, 2010, 25, 1983-1991.	1.2	12
70	Ni₃N compound layers produced by gaseous nitriding of nickel substrates; layer growth, macrostresses and intrinsic elastic anisotropy. Journal of Materials Research, 2012, 27, 1531-1541.	1.2	12
71	Dependence of the nitriding rate of ferritic and austenitic substrates on the crystallographic orientation of surface grains; gaseous nitriding of Fe-Cr and Ni-Ti alloys. Philosophical Magazine, 2015, 95, 4143-4160.	0.7	12
72	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

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73	Two-Phase Î·â€²â€‰+â€‰Î· Region in Cu6Sn5 Intermetallic: Insight into the Orderâ€“Disorder Transition from Diffusion Couples. Journal of Electronic Materials, 2020, 49, 245-256.	1.0	12
74	Solid solubility by anti-site atoms in the C36-TiCr2 Laves phase revealed by single-crystal X-ray diffractometry. Journal of Alloys and Compounds, 2010, 505, 492-496.	2.8	11
75	Anomalously high density and thermal stability of nanotwins in Ni(W) thin films: Quantitative analysis by x-ray diffraction. Journal of Materials Research, 2014, 29, 1642-1655.	1.2	11
76	Influence of the Carbon Content on the Crystallization and Oxidation Behavior of Polymerâ€Derived Silicon Carbide (SiC). Advanced Engineering Materials, 2015, 17, 1631-1638.	1.6	11
77	Stacking disorder in metastable NiSn4. Materials and Design, 2016, 109, 324-333.	3.3	11
78	High-pressure high-temperature study of the pressure induced decomposition of the iron nitride Î³â€²-Fe4N. Journal of Alloys and Compounds, 2019, 801, 438-448.	2.8	11
79	Impact of melt conditioning and filtration on iron-rich Î² phase in AlSi9Cu3 and its fatigue life studied by Î¼CT. Materials Characterization, 2021, 174, 111039.	1.9	11
80	Thermodynamic assessment and experimental investigation of the Alâ€“Mnâ€“Ni system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2019, 64, 78-89.	0.7	10
81	The use of lattice-parameter changes to trace the kinetics of phase transformations powder-diffraction analysis of disorder-order transformations in Ni1+Î´Sn. Zeitschrift Fur Kristallographie - Crystalline Materials, 2007, 222, 150-159.	0.4	9
82	Reply to comments on the absence of a stable hexagonal Laves phase modification (NbCr2) in the Nbâ€“Cr system. Scripta Materialia, 2011, 64, 994-997.	2.6	9
83	Anisotropic microstrain broadening in cementite, Fe3C, caused by thermal microstress: comparison between prediction and results from diffraction-line profile analysis. Journal of Applied Crystallography, 2012, 45, 944-949.	1.9	9
84	Thermal expansion anisotropy as source for microstrain broadening of polycrystalline cementite, Fe₃C. Journal of Applied Crystallography, 2016, 49, 1632-1644.	1.9	9
85	Feâ€“N and Feâ€“Nâ€“C phase equilibria above 853 K studied by nitriding/nitrocarburising and secondary annealing. International Journal of Materials Research, 2016, 107, 192-202.	0.1	9
86	Nitrogen Transfer between Solid Phases in the System Mnâ€N Detected via in situ Neutron Diffraction. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1929-1938.	0.6	9
87	Reflection splitting-induced microstrain broadening. Powder Diffraction, 2017, 32, S35-S39.	0.4	9
88	Experimental Investigations of the Fe-Mn-Ti System in the Concentration Range of up to 30Âat.% Ti. Journal of Phase Equilibria and Diffusion, 2020, 41, 457-467.	0.5	9
89	Anisotropic microstrain broadening of minium, Pb₃O₄, in a high-pressure cell: interpretation of line-width parameters in terms of stress variations. Journal of Applied Crystallography, 2010, 43, 17-26.	1.9	8
90	Experimental Investigation and Thermodynamic Modeling of the Ni-Rich Part of the Ni-N Phase Diagram. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 4863-4874.	1.1	8

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91	EBSD characterization of the eutectic microstructure in hypoeutectic Fe-C and Fe-C-Si alloys. Materials Characterization, 2018, 138, 274-283.	1.9	8
92	The iron silicocarbide in cast irons revisited. Journal of Alloys and Compounds, 2020, 815, 152468.	2.8	8
93	Nanoscale twinning in Feâ€“Mnâ€“Alâ€“Ni martensite: a backscatter Kikuchi diffraction study. Journal of Applied Crystallography, 2021, 54, 54-61.	1.9	8
94	Phase Stability of Iron Nitride Fe4N at High Pressureâ€”Pressure-Dependent Evolution of Phase Equilibria in the Feâ€“N System. Materials, 2021, 14, 3963.	1.3	8
95	Crystal structure of incommensurate Î·Êº-Cu_{1.235}Sn intermetallic. Zeitschrift Fur Kristallographie - Crystalline Materials, 2020, 235, 445-457.	0.4	8
96	Polytypic transformations of the HfCr2 Laves phase â€“ Part II: Kinetics of the polymorphic C14Ââ†’ÂC15 transformation. Intermetallics, 2011, 19, 1442-1447.	1.8	7
97	The $$upalpha +upvarepsilon $$ Two-Phase Equilibrium in the Fe-N-C System: Experimental Investigations and Thermodynamic Calculations. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 4411-4424.	1.1	7
98	Lowâ€temperature annealing and graphitizing of whiteâ€solidified lowâ€alloy cast irons. Materialwissenschaft Und Werkstofftechnik, 2019, 50, 682-695.	0.5	7
99	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
100	An orthorhombic D022-like precursor to Al8Mo3 in the Alâ€“Moâ€“Ti system. Journal of Alloys and Compounds, 2020, 823, 153807.	2.8	7
101	Phase Evolution During Heat Treatment of Nb₃Sn Wires Under Development for the FCC Study. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-6.	1.1	7
102	Î²-Al4.5FeSi: Hierarchical crystal and defect structure: Reconciling experimental and theoretical evidence including the influence of Al vs. Si ordering on the crystal structure. Journal of Alloys and Compounds, 2022, 911, 165015.	2.8	7
103	Metastable Hexagonal Modifications of the NbCr₂ Laves Phase as Function of Cooling Rate. Materials Research Society Symposia Proceedings, 2008, 1128, 80701.	0.1	6
104	Nitrogen uptake by nickel in NH₃â€“H₂ atmospheres. Surface Engineering, 2014, 30, 16-20.	1.1	6
105	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
106	Fe13Ga9 intermetallic in bcc-base Feâ€“Ga alloy. Intermetallics, 2021, 131, 107059.	1.8	6
107	Eutectoid growth of nanoscale amorphous Fe-Si nitride upon nitriding. Acta Materialia, 2021, 209, 116774.	3.8	6
108	Stable and Metastable Phase Equilibria Involving the Cu6Sn5 Intermetallic. Journal of Electronic Materials, 2021, 50, 5898-5914.	1.0	6

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109	A time-resolved X-ray powder diffraction method to trace the decomposition of PdBysolid solutions. Zeitschrift FÃ¼r Kristallographie, Supplement, 2006, 2006, 443-448.	0.5	6
110	Domain structure of pseudosymmetric Î·â€³-ordered Cu6Sn5 by EBSD analysis. Acta Materialia, 2022, 229, 117828.	3.8	6
111	Broadening and shifting of Bragg reflections of nanoscale-microtwinned LT-Ni3Sn2. Philosophical Magazine, 2013, 93, 4440-4468.	0.7	5
112	Interstitial atom ordering in fcc-based Ni4X with Xâ€¯=â€¯N and C. Computational Materials Science, 2019, 161, 209-214.	1.4	5
113	Nausite and NbSn2 â€“ Growth and distinction of structural related intermetallic phases in the Cuâ€“Nbâ€“Sn system. Materials Characterization, 2020, 168, 110563.	1.9	5
114	Nanoscale twinning and superstructures of martensite in the Feâ€“Mnâ€“Alâ€“Ni system. Materialia, 2021, 16, 101062.	1.3	5
115	Crystallography of Î³â€²-Fe4N formation on bulk polycrystalline Î±-Fe substrates. Materialia, 2021, 17, 101119.	1.3	5
116	Crystallography of Î³â€²-Fe₄N formation in single-crystalline Î±-Fe whiskers. Journal of Applied Crystallography, 2020, 53, 865-879.	1.9	5
117	Parabolic microstrain-like line broadening induced by random twin faulting. Philosophical Magazine, 2012, 92, 1844-1864.	0.7	4
118	Comment on â€œHigh-temperature soft magnetic properties of antiperovskite nitrides ZnNFe3 and AlNFe3â€• by Yankun Fu, Shuai Lin, and Bosen Wang, J. Magn. Magn. Mater. 378 (2015) 54â€“58. Journal of Magnetism and Magnetic Materials, 2016, 416, 475-476.	1.0	4
119	Cobalt germanide precipitates indirectly improve the properties of thermoelectric germanium antimony tellurides. Journal of Materials Chemistry C, 2019, 7, 11419-11430.	2.7	4
120	From random stacking faults to polytypes: A 12-layer NiSn4 polytype. Journal of Alloys and Compounds, 2019, 774, 265-273.	2.8	4
121	Thermodynamic re-modelling of the Cuâ€“Nbâ€“Sn system: Integrating the nausite phase. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2022, 77, 102409.	0.7	4
122	Interplay between Habit Plane and Orientation Relationship in an Electron Backscatter Diffraction Analysis: Using the Example of Î·â€²-Al8Fe3 in Î·-Al5Fe2. Crystals, 2022, 12, 813.	1.0	4
123	Modification of the Diffusion Process in the Iron-Aluminum System via Spark Plasma Sintering/Field Assisted Sintering Technology. Defect and Diffusion Forum, 2016, 367, 1-9.	0.4	3
124	Stabilization of the Î¶-Cu10Sn3 Phase by Ni at Soldering-Relevant Temperatures. Journal of Electronic Materials, 2020, 49, 3609-3623.	1.0	3
125	Crystallography of Feâ€“Mnâ€“Alâ€“Ni Shape Memory Alloys. Shape Memory and Superelasticity, 2021, 7, 383-393.	1.1	3
126	Removal of Iron from a Secondary Alâ€“Si Dieâ€Casting Alloy by Metal Melt Filtration in a Laboratory Filtration Apparatus. Advanced Engineering Materials, 0, , 2100695.	1.6	3

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127	Interaction of N with White-solidified Cast Iron Model Alloys: The Effect of Mn and Cu on the Formation of Fe and Si Nitrides. Journal of Casting & Materials Engineering, 2021, 5, 66-70.	0.1	3
128	The influence of plastic deformation on polytypic phase transformations in TiCr2 Laves phases. Scripta Materialia, 2010, 63, 1041-1044.	2.6	2
129	Interaction of Feâ€Containing, Secondary Alâ€"Si Alloy with Oxide and Carbonâ€Containing Ceramics for Fe Removal. Advanced Engineering Materials, 0, , 2100595.	1.6	2
130	Fe Nitride Formation in Feâ€"Si Alloys: Crystallographic and Thermodynamic Aspects. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 4957-4973.	1.1	2
131	Nitriding of Whiteâ€Solidified Feâ€"Câ€"Si Alloys: Diffusion Path Concept Applied to Inhomogeneous Microstructures. Advanced Engineering Materials, 0, , 2100833.	1.6	2
132	Effect of Cu on Nitriding of Î±-Fe. Metals, 2022, 12, 619.	1.0	2
133	Iron single crystal growth from a lithium-rich melt. Journal of Crystal Growth, 2018, 486, 50-55.	0.7	1
134	Anisotropic nitriding behavior upon formation of expanded hcp in Co-Cr alloys. Scripta Materialia, 2021, 203, 114041.	2.6	1
135	Î³Ê¹-Fe4N formation in decomposing Îµ-Fe3N: A powder diffraction study using synchrotron radiation. , 2006, , 449-454.		1
136	Comment on: â€œStructural, elastic, and thermodynamic properties under pressure of the FeC in the martensitic phase: anab-initiostudyâ€. High Pressure Research, 2014, 34, 500-502.	0.4	0
137	Preparation of CoGe2-type NiSn2 at 10ÂGPa. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2021, .	0.3	0
138	Gaseous nitriding of Co-10Âat% and -15Âat% Cr alloys at 400ÂÂ°C and 450ÂÂ°C. Journal of Alloys and Compounds, 2022, 907, 164535.	2.8	0
139	Thermodynamic description of high-pressure phase equilibria in the Feâ€"N system. Journal of Alloys and Compounds, 2022, 914, 165304.	2.8	0