Philip Nash

List of Publications by Year
in descending order

190 papers	5,417 citations	87723 38 h-index	114278 63 g-index
195 all docs	195 docs citations	195 times ranked	4363 citing authors

#	Article	IF	Citations
1	The effect of volume fraction of precipitate on ostwald ripening. Acta Metallurgica, 1980, 28, 179-189.	2.1	337
2	A thermodynamic description of the Alâ€“Feâ€“Si system over the whole composition and temperature ranges via a hybrid approach of CALPHAD and key experiments. Intermetallics, 2008, 16, 554-570.	1.8	177
3	Finite-element analysis and experimental validation of thermal residual stress and distortion in electron beam additive manufactured Ti-6Al-4V build plates. Journal of Materials Processing Technology, 2016, 237, 409-419.	3.1	162
4	The effect of mechanical alloying on SiC distribution and the properties of 6061 aluminum composite. Journal of Materials Processing Technology, 2005, 170, 586-592.	3.1	127
5	Fabrication of in-situ grown graphene reinforced Cu matrix composites. Scientific Reports, 2016, 6, 19363.	1.6	126
6	The C-Ni (Carbon-Nickel) system. Bulletin of Alloy Phase Diagrams, 1989, 10, 121-126.	0.3	125
7	Graphitization and microstructure transformation of nanodiamond to onion-like carbon. Scripta Materialia, 2006, 54, 225-229.	2.6	123
8	The Niâ^'Si (Nickel-Silicon) system. Bulletin of Alloy Phase Diagrams, 1987, 8, 6-14.	0.3	122
9	The Crâ^'Ni (Chromium-Nickel) system. Bulletin of Alloy Phase Diagrams, 1986, 7, 466-476.	0.3	117
10	Factors affecting particle-coarsening kinetics and size distribution. Journal of Materials Science, 1989, 24, 3041-3052.	1.7	116
11	Fabrication of three-dimensional graphene/Cu composite by in-situ CVD and its strengthening mechanism. Journal of Alloys and Compounds, 2016, 688, 69-76.	2.8	116
12	The Niâ^'Sn (Nickel-Tin) system. Bulletin of Alloy Phase Diagrams, 1985, 6, 350-359.	0.3	103
13	Thermodynamic properties of the Alâ€“Feâ€“Ni system acquired via a hybrid approach combining calorimetry, first-principles and CALPHAD. Acta Materialia, 2009, 57, 5324-5341.	3.8	90
14	The Niâ^'Zr (Nickel-Zirconium) system. Bulletin of Alloy Phase Diagrams, 1984, 5, 144-148.	0.3	89
15	Formation of metastable L12 phases in Al3Zr and Al-12.5%X-25%Zr (X â‰¡ Li, Cr, Fe, Ni, Cu). Journal of the Less Common Metals, 1991, 168, 69-80.	0.9	69
16	A novel method of surface modification for steel by plasma electrolysis carbonitriding. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 458, 240-243.	2.6	69
17	The Agâ^'Ni (Silver-Nickel) system. Journal of Phase Equilibria and Diffusion, 1987, 8, 119-121.	0.3	65
18	Synthesis and properties of trialuminides with ultra-fine microstructures. Scripta Materialia, 1992, 1, 37-42.	0.5	64

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19	Micro-structures and growth mechanisms of plasma electrolytic oxidation coatings on aluminium at different current densities. Surface and Coatings Technology, 2017, 321, 236-246.	2.2	62
20	Solid-state syntheses and properties of Zn4Sb3 thermoelectric materials. Journal of Alloys and Compounds, 2003, 361, 84-91.	2.8	57
21	Effect of density and pore morphology on fatigue properties of sintered Tiâ€“6Alâ€“4V. International Journal of Fatigue, 2013, 55, 81-91.	2.8	56
22	Evolution processes of the corrosion behavior and structural characteristics of plasma electrolytic oxidation coatings on AZ31 magnesium alloy. Applied Surface Science, 2018, 434, 326-335.	3.1	56
23	Phase equilibria in nickel rich Niâ€“Alâ€“Mo and Niâ€“Alâ€“W alloys. Metal Science, 1983, 17, 192-194.	0.7	54
24	The Nbâˆ’Ni (Niobium-Nickel) system. Bulletin of Alloy Phase Diagrams, 1986, 7, 124-130.	0.3	53
25	An investigation of the coating/substrate interface of plasma electrolytic oxidation coated aluminum. Surface and Coatings Technology, 2015, 280, 86-91.	2.2	53
26	Enthalpies of formation of selected Co2YZ Heusler compounds. Journal of Alloys and Compounds, 2013, 577, 49-56.	2.8	52
27	The use of thermodynamic models in the prediction of the glass-forming range of binary alloys. Journal of Materials Research, 1987, 2, 456-460.	1.2	51
28	The Al-Ni-Ti system (Aluminum-Nickel-Titanium). Journal of Phase Equilibria and Diffusion, 1991, 12, 551-562.	0.3	50
29	The Alâˆ’Niâˆ’Ti (Aluminumâˆ’Nickelâˆ’Titanium) system. Bulletin of Alloy Phase Diagrams, 1982, 3, 367-374.	0.3	49
30	Enthalpies of formation of selected Fe2YZ Heusler compounds. Intermetallics, 2015, 57, 34-40.	1.8	48
31	Phase equilibria in the Ni- Ta-Al system. Metal Science, 1979, 13, 670-676.	0.7	46
32	The Geâˆ’Ni (Germanium-Nickel) system. Bulletin of Alloy Phase Diagrams, 1987, 8, 255-264.	0.3	46
33	Composition dependence of the enthalpies of formation of NiAl. Journal of Alloys and Compounds, 2001, 321, 228-231.	2.8	46
34	An investigation of (NaPO3)6 effects and mechanisms during micro-arc oxidation of AZ31 magnesium alloy. Surface and Coatings Technology, 2015, 266, 151-159.	2.2	45
35	A review of phase equilibria in Heusler alloy systems containing Fe, Co or Ni. Journal of Materials Science, 2016, 51, 50-70.	1.7	44
36	The Niâˆ’Zn (Nickel-Zinc) system. Journal of Phase Equilibria and Diffusion, 1987, 8, 422.	0.3	43

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37	The Ni-Pt (Nickel-Platinum) system. Bulletin of Alloy Phase Diagrams, 1989, 10, 258-262.	0.3	42
38	Synthesis of carbon nanotubes and carbon onions by CVD using a Ni/Y catalyst supported on copper. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 475, 136-140.	2.6	42
39	Niâ€“Al and Niâ€“Ta phase diagrams. Metal Science, 1983, 17, 99-100.	0.7	40
40	Thermodynamic modeling of the Vâ€“Si system supported by key experiments. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2008, 32, 320-325.	0.7	40
41	An investigation of microstructure evolution for plasma electrolytic oxidation (PEO) coated Al in an alkaline silicate electrolyte. Surface and Coatings Technology, 2018, 351, 136-152.	2.2	40
42	Standard enthalpies of formation of selected Ru2YZ Heusler compounds. Journal of Alloys and Compounds, 2015, 634, 70-74.	2.8	39
43	High-temperature deformation and defect chemistry of (La1â^'xSrx)1â^'yMnO3+Î´. Acta Materialia, 1999, 47, 2969-2980.	3.8	37
44	Mechanical alloying and thermoelectric properties of Zn4Sb3. Journal of Materials Science, 2003, 38, 3553-3558.	1.7	36
45	Synthesis and growth mechanism of metal filled carbon nanostructures by CVD using Ni/Y catalyst supported on copper. Journal of Alloys and Compounds, 2008, 456, 290-296.	2.8	36
46	The standard enthalpies of formation of binary intermetallic compounds of some late 4d and 5d transition metals by high temperature direct synthesis calorimetry. Journal of Alloys and Compounds, 2010, 492, 105-115.	2.8	36
47	The Niâ^'V (Nickelâ^'Vanadium) system. Bulletin of Alloy Phase Diagrams, 1982, 3, 342-348.	0.3	35
48	Standard enthalpies of formation of selected Ni2YZ Heusler compounds. Journal of Alloys and Compounds, 2016, 660, 258-265.	2.8	35
49	The Niâ^'Ta (Nickelâ^'Tantalum) system. Bulletin of Alloy Phase Diagrams, 1984, 5, 259-265.	0.3	34
50	The enthalpy of formation of NiAl. Journal of Materials Science, 2005, 40, 1067-1069.	1.7	34
51	The effect of Ruthenium addition on the microstructure and mechanical properties of TiAl alloys. Intermetallics, 2011, 19, 1282-1290.	1.8	34
52	Standard enthalpies of formation of selected XYZ half-Heusler compounds. Journal of Chemical Thermodynamics, 2015, 91, 1-7.	1.0	34
53	Phase equilibria in Ni-rich region of Niâ€“Alâ€“Hf system. Metal Science, 1981, 15, 347-352.	0.7	33
54	Phase equilibria for the aluminum-rich region of the Alî—¸Ru system. Journal of the Less Common Metals, 1988, 136, 237-247.	0.9	33

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55	Thermoelectric properties of Zn4Sb3 directly synthesized by hot pressing. Materials Letters, 2004, 58, 2132-2136.	1.3	33
56	An investigation about the evolution of microstructure and composition difference between two interfaces of plasma electrolytic oxidation coatings on Al. Journal of Alloys and Compounds, 2018, 753, 272-281.	2.8	33
57	The Niâ^'Pd (Nickel-Palladium) system. Bulletin of Alloy Phase Diagrams, 1984, 5, 446-450.	0.3	32
58	Experimental evaluation of particle coarsening theories. Materials Science and Technology, 1990, 6, 405-414.	0.8	31
59	Mechanical properties of NiAlâ€“AlNâ€“Al2O3 composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1997, 239-240, 464-471.	2.6	31
60	Sintering mechanisms of Armstrong prealloyed Tiâ€“6Alâ€“4V powders. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 607, 409-416.	2.6	31
61	Niâ^'Re (Nickel-Rhenium) system. Bulletin of Alloy Phase Diagrams, 1985, 6, 348-350.	0.3	30
62	The Al-Ni-Zr system (Aluminum-Nickel-Zirconium). Journal of Phase Equilibria and Diffusion, 1991, 12, 105-113.	0.3	30
63	Achieving highly dispersed nanofibres at high loading in carbon nanofibreâ€“metal composites. Nanotechnology, 2009, 20, 235607.	1.3	30
64	The standard enthalpies of formation of some binary intermetallic compounds of lanthanideâ€“iron systems by high temperature direct synthesis calorimetry. Journal of Alloys and Compounds, 2013, 554, 232-239.	2.8	30
65	Calculation of the glass forming range in binary metallic systems using thermodynamic models. Acta Metallurgica, 1988, 36, 3047-3053.	2.1	26
66	In situ synthesis of Ti2AlCâ€“Al2O3/TiAl composite by vacuum sintering mechanically alloyed TiAl powder coated with CNTs. Journal of Alloys and Compounds, 2013, 578, 481-487.	2.8	26
67	The Hf-Ni (Hafnium-Nickel) system. Bulletin of Alloy Phase Diagrams, 1983, 4, 250-253.	0.3	25
68	The Production of Intermetallics Based on NiAl by Mechanical Alloying. Materials Science Forum, 1992, 88-90, 611-618.	0.3	25
69	The occurrence of ã€^110ã€‰ slip in NiAl. Scripta Metallurgica Et Materialia, 1992, 26, 29-34.	1.0	25
70	Structural evolution and Raman study of nanocarbons from diamond nanoparticles. Chemical Physics Letters, 2006, 429, 479-482.	1.2	25
71	Accelerated bainitic transformation during cyclic austempering. Journal of Materials Science, 2007, 42, 9112-9115.	1.7	25
72	Ultralight metal foams. Scientific Reports, 2015, 5, 13825.	1.6	25

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73	High-temperature creep of polycrystalline BaTiO₃. Journal of Materials Research, 1999, 14, 523-528.	1.2	24
74	Microstructural characterization of laser cladding of Cu-30Ni. Journal of Materials Science, 2005, 40, 2051-2054.	1.7	24
75	Enthalpy of Formation in the Al-Ni-Ti System. Journal of Phase Equilibria and Diffusion, 2009, 30, 559-563.	0.5	24
76	Experimental formation enthalpies for intermetallic phases and other inorganic compounds. Scientific Data, 2017, 4, 170162.	2.4	24
77	The Biâ^'Ni (Bismuth-Nickel) system. Bulletin of Alloy Phase Diagrams, 1985, 6, 345-347.	0.3	23
78	Enthalpies of formation in the Alâ€“Niâ€“Ru system by direct reaction synthesis calorimetry. Journal of Alloys and Compounds, 2005, 403, 217-222.	2.8	23
79	Enthalpies of formation and lattice parameters of B2 phases in Al-Ni-X systems. Pure and Applied Chemistry, 2007, 79, 1653-1673.	0.9	23
80	Reinforcing copper matrix composites through molecular-level mixing of functionalized nanodiamond by co-deposition route. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 490, 293-299.	2.6	23
81	Microstructure, temperature estimation and thermal shock resistance of PEO ceramic coatings on aluminum. Journal of Materials Processing Technology, 2008, 205, 477-481.	3.1	23
82	The standard enthalpies of formation of some intermetallic compounds of early 4d and 5d transition metals by high temperature direct synthesis calorimetry. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2009, 33, 55-62.	0.7	23
83	Deformation behavior of 4;Mo alloys. Acta Metallurgica, 1985, 33, 265-272.	2.1	22
84	The Niâ^'Ru (Nickel-Ruthenium) system. Bulletin of Alloy Phase Diagrams, 1986, 7, 130-133.	0.3	22
85	The Al-Hf-Ni system (Aluminum-Hafnium-Nickel). Journal of Phase Equilibria and Diffusion, 1991, 12, 94-104.	0.3	22
86	Metastable Phases in the Design of Structural Intermetallics. Materials Science Forum, 1992, 88-90, 603-610.	0.3	21
87	Microstructure and texture in hot-extruded NiAl. Scripta Metallurgica Et Materialia, 1992, 27, 161-166.	1.0	21
88	Thermal residual stresses in NiAlâ€“AlNâ€“Al2O3 composites measured by neutron diffraction. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1999, 264, 108-121.	2.6	21
89	Review: Experimental enthalpies of formation of compounds in Al-Ni-X systems. Journal of Materials Science, 2006, 41, 631-641.	1.7	21
90	Construction of the Alâ€“Niâ€“Si phase diagram over the whole composition and temperature ranges: thermodynamic modeling supported by key experiments and first-principles calculations. International Journal of Materials Research, 2008, 99, 598-612.	0.1	21

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91	The Inâ^'Ni (Indium-Nickel) system. Bulletin of Alloy Phase Diagrams, 1988, 9, 592-597.	0.3	20
92	Thermodynamic modeling of the Geâ€“Ti system supported by key experiment. Thermochimica Acta, 2011, 521, 148-154.	1.2	20
93	Enthalpies of formation of selected Pd2YZ Heusler compounds. Intermetallics, 2015, 58, 15-19.	1.8	20
94	Thermoelectric properties of Zn4Sb3 processed by sintering of cold pressed compacts and hot pressing. Journal of Materials Science, 2007, 42, 2143-2149.	1.7	19
95	Mechanical and thermoelectric properties of Zn4Sb3 and Zn4Sb3+Zn directly synthesized using elemental powders. Metals and Materials International, 2005, 11, 435-441.	1.8	18
96	Heat capacities of several Alâ€“Niâ€“Ti compounds. Thermochimica Acta, 2009, 486, 57-65.	1.2	18
97	An investigation of plasma electrolytic oxidation coatings on crevice surface of AZ31 magnesium alloy. Journal of Alloys and Compounds, 2019, 811, 152010.	2.8	18
98	Coarsening kinetics of solid and liquid silver particles in nickel. Materials Science and Technology, 1992, 8, 10-15.	0.8	17
99	Phase Equilibria in the Al-Co-Ni Alloy System. Journal of Phase Equilibria and Diffusion, 2017, 38, 630-645.	0.5	17
100	Wetting of Porous Î±-LiAlO₂by Molten Carbonate. Journal of the Electrochemical Society, 2018, 165, F324-F333.	1.3	17
101	Thermoelectric properties of Zn4Sb3 processed by sinter-forging. Materials Letters, 2004, 58, 2937-2941.	1.3	16
102	In situ synthesis of carbon onion/nanotube reinforcements in copper powders. Journal of Alloys and Compounds, 2009, 476, 869-873.	2.8	16
103	The Ni-Rh (Nickel-Rhodium) system. Bulletin of Alloy Phase Diagrams, 1984, 5, 403-405.	0.3	15
104	Standard enthalpies of formation of some Lanthanideâ€“Cobalt binary alloys by high temperature direct synthesis calorimetry. Journal of Alloys and Compounds, 2013, 578, 465-470.	2.8	15
105	The Kinetics of Coupled Phase Coarsening in Two-Phase Structures. Materials Science Forum, 1992, 94-96, 671-676.	0.3	14
106	The effect of heat treatment on mechanical properties of carbon nanofiber reinforced copper matrix composites. Journal of Materials Science, 2009, 44, 5602-5608.	1.7	14
107	Curie temperature determination via thermogravimetric and continuous wavelet transformation analysis. EPJ Techniques and Instrumentation, 2017, 4, .	0.5	14
108	Nickel-rich region of Ni-Al-Nb system at 1473 K. Metal Science, 1980, 14, 147-149.	0.7	12

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109	Dilatometric measurement of carbon enrichment in austenite during bainite transformation. Journal of Materials Science, 2006, 41, 4965-4969.	1.7	12
110	Carbon partitioning during bainite transformation in 4317 type steels. Metals and Materials International, 2006, 12, 453-458.	1.8	12
111	The thermochemical behavior of some binary shape memory alloys by high temperature direct synthesis calorimetry. Journal of Alloys and Compounds, 2011, 509, 5256-5262.	2.8	12
112	The effect of discontinuous Î³' precipitation on the mechanical properties of Al-Co-Ni alloys. Materials Characterization, 2019, 151, 612-619.	1.9	12
113	Phase equilibria in Ni-rich region of Niâ€“Crâ€“Hf system. Metal Science, 1981, 15, 353-356.	0.7	11
114	Sintering mechanisms of blended Ti6Al4V powder from diffusion path analysis. Journal of Materials Science, 2014, 49, 994-1008.	1.7	11
115	Characterization and Sintering of Armstrong Process Titanium Powder. Jom, 2017, 69, 770-775.	0.9	11
116	The Asâ^'Ni (Arsenic-Nickel) system. Journal of Phase Equilibria and Diffusion, 1987, 8, 419.	0.3	10
117	The Ni-Pr (Nickel-Praesodymium) system. Bulletin of Alloy Phase Diagrams, 1989, 10, 253-257.	0.3	10
118	Measurement of joint properties of Bi(pb)-Sr-Ca-Cu-O (2223) tapes by field decay technique. IEEE Transactions on Applied Superconductivity, 2003, 13, 2992-2995.	1.1	10
119	The effect of catalyst evolution at various temperatures on carbon nanostructures formed by chemical vapor deposition. Journal of Materials Science, 2009, 44, 2471-2476.	1.7	10
120	Thermodynamic modeling of the Coâ€“Hf system supported by key experiments and first-principles calculations. Thermochimica Acta, 2015, 608, 49-58.	1.2	10
121	Direct Carbon Fuel Cells â€“ Wetting behavior of graphitic carbon in molten carbonate. International Journal of Hydrogen Energy, 2016, 41, 18858-18871.	3.8	10
122	The effect of a fourth element (Co, Cu, Fe, Pd) on the standard enthalpy of formation of the Heusler compound Ni2MnSn. Journal of Alloys and Compounds, 2016, 667, 184-190.	2.8	10
123	Hot Deformation Behavior and Processing Maps for a Large Marine Crankshaft S34MnV Steel. Steel Research International, 2018, 89, 1700321.	1.0	10
124	The Niâ^'Pb (Nickel-Lead) system. Bulletin of Alloy Phase Diagrams, 1987, 8, 264-268.	0.3	9
125	Giant magnetoresistance in mechanically alloyed Ag-Cu-Fe alloys. Scripta Materialia, 1998, 10, 893-907.	0.5	9
126	Standard enthalpies of formation of selected Rh2YZ Heusler compounds. Journal of Alloys and Compounds, 2015, 650, 925-930.	2.8	9

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127	Experimental investigation of the Fe-Sn-Ti ternary isothermal section at 873ÂK. Journal of Alloys and Compounds, 2017, 693, 76-86.	2.8	9
128	Correlation of Cooling Rate, Microstructure and Hardness of S34MnV Steel. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2019, 50, 1718-1728.	1.0	9
129	Plasma electrolytic oxidation ceramic coatings proceed by porous anodic film. Journal of Alloys and Compounds, 2020, 812, 152098.	2.8	9
130	A novel method of preparation of metal ceramic coatings. Journal of Materials Processing Technology, 2009, 209, 2676-2680.	3.1	8
131	Computer representation of phase diagrams. Bulletin of Alloy Phase Diagrams, 1984, 5, 5-9.	0.3	7
132	The Ni-Yb (Nickel-Ytterbium) system. Bulletin of Alloy Phase Diagrams, 1989, 10, 129-132.	0.3	7
133	Experimental observation of two coalescence mechanisms in liquid phase sintered Fe-70%Cu. Scripta Metallurgica Et Materialia, 1990, 24, 263-266.	1.0	7
134	Heat capacities of several Co2YZ Heusler compounds. Thermochimica Acta, 2013, 574, 79-84.	1.2	7
135	The Large Scale Synthesis of Aligned Plate Nanostructures. Scientific Reports, 2016, 6, 29972.	1.6	7
136	Phase equilibria in the Co-Mn-Ni system. Journal of Alloys and Compounds, 2019, 777, 1274-1285.	2.8	7
137	The relative stabilities of the Ni6AIX (X=V, Nb, Ta) phases. Journal of Materials Science Letters, 1984, 3, 259-261.	0.5	6
138	The Cdâ^'Ni (Cadmium-Nickel) system. Journal of Phase Equilibria and Diffusion, 1987, 8, 122.	0.3	6
139	The Eu-Ni (Europium-Nickel) system. Bulletin of Alloy Phase Diagrams, 1989, 10, 127-129.	0.3	6
140	Microstructural characterization of rapidly solidified nickel-base superalloys. Journal of Materials Science, 1990, 25, 1219-1230.	1.7	6
141	Processing and properties of mechanically alloyed Ni(Fe)Al-Al2O3-AlN. Metals and Materials International, 2000, 6, 435-440.	0.2	6
142	Experimental investigation and thermodynamic modeling of the Gaâ€“Zr system. Journal of Alloys and Compounds, 2014, 587, 497-505.	2.8	6
143	Heat contents of Sc5Si3 and ScSi intermetallics and thermodynamic modeling of the Scâ€“Si system. Journal of Thermal Analysis and Calorimetry, 2015, 119, 1315-1321.	2.0	6
144	Dynamic wetting of dense Ni foil by molten carbonate. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 550, 236-244.	2.3	6

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145	On the Curie temperature and Nishizawa horn in the Al-Co-Ni system. Journal of Alloys and Compounds, 2019, 779, 566-576.	2.8	6
146	Nickel-rich region of Ni-Cr-Ta system at 1523 and 1273 K. Metal Science, 1980, 14, 273-276.	0.7	5
147	Comments on â€œcoarsening models incorporating both diffusion geometry and volume fraction of particlesâ€• Scripta Metallurgica, 1984, 18, 295-296.	1.2	5
148	Precipitation in a rapidly solidified and aged Niî—¸Alî—¸Mo alloy. Acta Metallurgica, 1987, 35, 2627-2635.	2.1	5
149	Application of thermodynamic factors in analysis of particle coarsening kinetics in Feâ€“Cu and Coâ€“Cu. Materials Science and Technology, 1988, 4, 860-866.	0.8	5
150	Design of Dispersion Strengthened NiAl. Materials Transactions, JIM, 1995, 36, 351-356.	0.9	5
151	Heat contents of the intermetallics V3Ge and V5Ge3 and thermodynamic modeling of the Geâ€“V system. Thermochimica Acta, 2011, 513, 100-105.	1.2	5
152	Study of Mg Powder as Catalyst Carrier for the Carbon Nanotube Growth by CVD. Journal of Nanomaterials, 2011, 2011, 1-6.	1.5	5
153	Thermochemistry of some binary lead and transition metal compounds by high temperature direct synthesis calorimetry. Journal of Alloys and Compounds, 2015, 633, 183-187.	2.8	5
154	Flow behavior and processing map of forging commercial purity titanium powder compact. Journal of Materials Research, 2015, 30, 1056-1064.	1.2	5
155	Experimental investigation and thermodynamic modeling of the Ce-Si system. Thermochimica Acta, 2016, 646, 49-58.	1.2	5
156	Relationship of DAS to cooling rate in solidified U-700 alloy. Journal of Materials Science Letters, 1986, 5, 1273-1274.	0.5	4
157	A technique for producing thin foils of mechanically alloyed Ni-Ti amorphous powder. Journal of Materials Science Letters, 1987, 6, 982-984.	0.5	4
158	General rules governing carbon nanomaterial growth directly on metal support by chemical vapor deposition. Materials Chemistry and Physics, 2011, 125, 386-389.	2.0	4
159	Two Decades of Calorimetry and Thermal Analysis at the Thermal Processing Technology Centre at Illinois Institute of Technology. Russian Journal of Physical Chemistry A, 2020, 94, 2624-2639.	0.1	4
160	Dynamic wetting of porous Ni substrate under MCFC conditions. International Journal of Hydrogen Energy, 2021, 46, 15066-15077.	3.8	4
161	Fabrication and characterization of cube textured Ni substrate for YBCO coated conductors. IEEE Transactions on Applied Superconductivity, 2003, 13, 2579-2582.	1.1	3
162	In situ synthesis of ceria decorated carbon nanotubes by chemical vapor deposition. Materials Letters, 2009, 63, 182-184.	1.3	3

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163	Numerical Simulation of the Effects of Preheating on Electron Beam Additive Manufactured Ti-6Al-4V Build Plate. Materials Science Forum, 2016, 879, 274-278.	0.3	3
164	Fabrication of Carbon Nanotube - Chromium Carbide Composite Through Laser Sintering. Lasers in Manufacturing and Materials Processing, 2016, 3, 1-8.	1.2	3
165	Thermochemistry of some Zinc-Transition metal(TM) compounds and some Bismuth-TM compounds by high temperature direct synthesis calorimetry. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2019, 64, 131-138.	0.7	3
166	1000 at 1000: Particulate-reinforced metal matrix composites. Journal of Materials Science, 2020, 55, 16059-16062.	1.7	3
167	Site preferences and ordering in Nb(Al1-xMx)2 (MÂ=ÂNi or Cu) ternary Laves phases. Acta Materialia, 2021, 208, 116733.	3.8	3
168	The Niâ^'Tc (nickel-technetium) system. Bulletin of Alloy Phase Diagrams, 1985, 6, 124-125.	0.3	2
169	Superconducting joint of multifilamentary Bi(Pb)-Sr-Ca-Cu-O tapes. IEEE Transactions on Applied Superconductivity, 2003, 13, 2996-2999.	1.1	2
170	Continuous Fabrication of SOFC Assembly by ESD Technique - Dense Thin Film YSZ Electrolyte. ECS Transactions, 2014, 58, 89-99.	0.3	2
171	The journal of materials science in China. Journal of Materials Science, 2019, 54, 5989-5991.	1.7	2
172	Enhanced pseudocapacitance of amorphous oxy-hydroxides epitaxially grown on intermetallics nanofoam. Journal of Alloys and Compounds, 2019, 788, 961-966.	2.8	2
173	Dynamic Wetting of Ni-Al Alloy Under MCFC Conditions. Journal of the Electrochemical Society, 2020, 167, 124516.	1.3	2
174	The Niâ^'Tm (Nickel-Thulium) system. Bulletin of Alloy Phase Diagrams, 1989, 10, 602-604.	0.3	1
175	The Role of Ashed Bone in Hard Tissue Implants. Materials Research Society Symposia Proceedings, 1990, 218, 257.	0.1	1
176	Evaluating the Bauschinger Effect in Heavily Cold Worked 301 Austenitic Stainless Steel used in Multi-Layer Head Gaskets. , 2005, , .		1
177	Fabrication and Performance of a Lithium X-Ray Lens. AIP Conference Proceedings, 2007, , .	0.3	1
178	The thermochemistry of some 5:3 binary lanthanideâ€"lead compounds by high temperature direct synthesis calorimetry. Journal of Alloys and Compounds, 2016, 656, 88-93.	2.8	1
179	Sinter bonding titanium and Ti-6Al-4V. International Journal of Advanced Manufacturing Technology, 2018, 96, 2907-2914.	1.5	1
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