List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Geometrically necessary dislocations and strain-gradient plasticity: a few critical issues. Scripta Materialia, 2003, 48, 119-125.	5.2	680
2	Solidification processing of metal matrix composites. International Materials Reviews, 1992, 37, 101-128.	19.3	389
3	Functionally graded metals and metal-ceramic composites: Part 1 Processing. International Materials Reviews, 1995, 40, 239-265.	19.3	364
4	Metal Matrix Composites. Annual Review of Materials Research, 2010, 40, 243-270.	9.3	354
5	Size dependent strengthening in particle reinforced aluminium. Acta Materialia, 2002, 50, 39-51.	7.9	307
6	Functionally graded metals and metal-ceramic composites: Part 2 Thermomechanical behaviour. International Materials Reviews, 1997, 42, 85-116.	19.3	258
7	Permeability of open-pore microcellular materials. Acta Materialia, 2005, 53, 1381-1388.	7.9	186
8	Deformation of open-cell aluminum foam. Acta Materialia, 2001, 49, 3959-3969.	7.9	180
9	Infiltration of fibrous preforms by a pure metal: Part I. Theory. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1989, 20, 2535-2547.	1.4	173
10	On plastic relaxation of thermal stresses in reinforced metals. Acta Metallurgica Et Materialia, 1991, 39, 127-139.	1.8	156
11	Infiltration processing of fibre reinforced composites: governing phenomena. Composites Part A: Applied Science and Manufacturing, 2001, 32, 981-996.	7.6	152
12	On the infiltration of metal matrix composites. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1987, 18, 1160-1163.	2.2	144
13	Thermal conductivity of Al–SiC composites with monomodal and bimodal particle size distribution. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 480, 483-488.	5.6	144
14	Kinetics of diffusion-limited spreading of sessile drops in reactive wetting. Scripta Materialia, 1997, 36, 645-651.	5.2	131
15	Replication Processing of Highly Porous Materials. Advanced Engineering Materials, 2006, 8, 795-803.	3.5	119
16	Infiltration of fibrous preforms by a pure metal: Part II. Experiment. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1989, 20, 2549-2557.	1.4	117
17	Graded open-cell aluminium foam core sandwich beams. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 404, 9-18.	5.6	114

18 Metal Matrix Composites in Industry. , 2003, , .

#	Article	IF	CITATIONS
19	On the electrical conductivity of metal matrix composites containing high volume fractions of non-conducting inclusions. Acta Materialia, 2003, 51, 3199-3211.	7.9	102
20	20ÂHz X-ray tomography during an in situ tensile test. International Journal of Fracture, 2016, 200, 3-12.	2.2	99
21	Fracture toughness testing of nanocrystalline alumina and fused quartz using chevron-notched microbeams. Acta Materialia, 2015, 86, 385-395.	7.9	96
22	Interfacial phenomena in the solidification processing of metal matrix composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1991, 135, 1-11.	5.6	95
23	Uniaxial deformation of open-cell aluminum foam: the role of internal damage. Acta Materialia, 2004, 52, 2895-2902.	7.9	93
24	Thermal expansion of metals reinforced with ceramic particles and microcellular foams. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1996, 27, 3700-3717.	2.2	88
25	Infiltration of fibrous preforms by a pure metal: Part III. capillary phenomena. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1990, 21, 2257-2263.	1.4	87
26	Columnar dendritic solidification in a metal- matrix composite. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1988, 19, 709-721.	1.4	86
27	Influence of damage on the tensile behaviour of pure aluminium reinforced with ≥40 vol. pct alumina particles. Acta Materialia, 2001, 49, 3699-3709.	7.9	86
28	Processing of NaCl powders of controlled size and shape for the microstructural tailoring of aluminium foams. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 374, 250-262.	5.6	86
29	Spherical pore replicated microcellular aluminium: Processing and influence on properties. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 465, 124-135.	5.6	80
30	Uniaxial deformation of microcellular metals. Acta Materialia, 2006, 54, 4129-4142.	7.9	76
31	Thermal expansion responses of pressure infiltrated SiC/Al metal-matrix composites. Journal of Materials Science, 1997, 32, 2131-2140.	3.7	73
32	Quasistatic and dynamic compression of aluminum-oxide particle reinforced pure aluminum. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2002, 337, 202-211.	5.6	72
33	Effect of reaction on the tensile behavior of infiltrated boron carbide–aluminum composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2002, 337, 264-273.	5.6	72
34	On the rate of dendrite arm coarsening. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1991, 22, 569-574.	1.4	71
35	Processing of microcellular SiC foams. Journal of Materials Science, 1995, 30, 1037-1045.	3.7	70
36	Forced unidirectional infiltration of deformable porous media. Journal of Fluid Mechanics, 1996, 311, 193.	3.4	69

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37	Quantification of microdamage phenomena during tensile straining of high volume fraction particle reinforced aluminium. Acta Materialia, 2001, 49, 497-505.	7.9	68
38	Diffusion-limited reactive wetting: study of spreading kinetics of Cu–Cr alloys on carbon substrates. Acta Materialia, 1999, 47, 1117-1128.	7.9	65
39	Influence of the infiltration pressure on the structure and properties of replicated aluminium foams. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 462, 68-75.	5.6	65
40	Intermediate temperature embrittlement of copper alloys. International Materials Reviews, 2009, 54, 94-116.	19.3	64
41	On the influence of coarsening on microsegregation. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1989, 20, 247-253.	1.4	63
42	Pressure-infiltration processing of reinforced aluminum. Jom, 1993, 45, 36-43.	1.9	62
43	Thermal mismatch dislocations produced by large particles in a strain-hardening matrix. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1991, 135, 179-184.	5.6	60
44	In situ flow stress of pure aluminium constrained by tightly packed alumina fibres. Acta Materialia, 2009, 57, 1795-1812.	7.9	60
45	The effect of preform processing on replicated aluminium foam structure and mechanical properties. Scripta Materialia, 2006, 54, 2069-2073.	5.2	59
46	On the influence of the shape of randomly oriented, non-conducting inclusions in a conducting matrix on the effective electrical conductivity. Acta Materialia, 2003, 51, 495-505.	7.9	56
47	Thermal conductivity and interfacial conductance of AlN particle reinforced metal matrix composites. Journal of Applied Physics, 2011, 109, .	2.5	56
48	Multiaxial yield behaviour of Al replicated foam. Journal of the Mechanics and Physics of Solids, 2011, 59, 1777-1793.	4.8	50
49	Infiltration of fiber preforms by a binary alloy: Part I. Theory. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1990, 21, 2059-2072.	1.4	49
50	Measuring and tailoring capillary forces during liquid metal infiltration. Current Opinion in Solid State and Materials Science, 2005, 9, 196-201.	11.5	49
51	Infiltration of fiber preforms by a binary. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1992, 23, 2263-2280.	1.4	48
52	Microscopic strength of silicon particles in an aluminium–silicon alloy. Acta Materialia, 2016, 105, 165-175.	7.9	47
53	Particle reinforced metals of high ceramic content. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 387-389, 822-831.	5.6	45
54	Influence of quench rate and microstructure on bendability of AA6016 aluminum alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 559, 558-565.	5.6	45

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55	Synthesis of bulk and reinforced. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1993, 24, 2161-2170.	1.4	44
56	Capillarity in isothermal infiltration of alumina fiber preforms with aluminum. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1994, 25, 2145-2152.	2.2	44
57	Solidification Processing of Metal-Matrix Composites. Jom, 1988, 40, 12-19.	1.9	40
58	Thermal fatigue of single-crystalline superalloy CMSX-4®: a comparison of epitaxial laser-deposited material with the base single crystal. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 299, 152-156.	5.6	39
59	Fracture of aluminium reinforced with densely packed ceramic particles: link between the local and the total work of fracture. Acta Materialia, 2004, 52, 1337-1351.	7.9	38
60	The electrical conductivity of microcellular metals. Journal of Applied Physics, 2006, 100, 044912.	2.5	38
61	Fracture toughness measurement in fused quartz using triangular chevron-notched micro-cantilevers. Scripta Materialia, 2016, 112, 132-135.	5.2	38
62	Fabrication of cast particle-reinforced metals via pressure infiltration. Journal of Materials Science, 1991, 26, 2519-2526.	3.7	37
63	Melt Infiltration of Metal Matrix Composites. , 2000, , 521-554.		37
64	Yield surface of polyurethane and aluminium replicated foam. Acta Materialia, 2010, 58, 5168-5183.	7.9	37
65	Alloy Microstructures in Cast Metal Matrix Composites. Jom, 1986, 38, 30-35.	1.9	36
66	Infiltration of fiber preforms by an. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1992, 23, 2281-2289.	1.4	36
67	Fracture of aluminium reinforced with densely packed ceramic particles: influence of matrix hardening. Acta Materialia, 2004, 52, 5331-5345.	7.9	36
68	Coordination measurements in compacted NaCl irregular powders using X-ray microtomography. Journal of the European Ceramic Society, 2008, 28, 2441-2449.	5.7	36
69	Dislocation emission at fibers—I. Theory of longitudinal punching by thermal stresses. Acta Metallurgica Et Materialia, 1991, 39, 1405-1416.	1.8	34
70	Wetting in infiltration of alumina particle preforms with molten copper. Journal of Materials Science, 2005, 40, 2487-2491.	3.7	34
71	On the use of Considere's criterion in tensile testing of materials which accumulate internal damage. Scripta Materialia, 1999, 41, 549-551.	5.2	33
72	Infiltration of graphite preforms with Al–Si eutectic alloy and mercury. Scripta Materialia, 2007, 56, 991-994.	5.2	33

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73	Influence of the wetting angle on capillary forces in pressure infiltration. Acta Materialia, 2015, 91, 57-69.	7.9	33
74	Diffusion-limited reactive wetting: spreading of Cu-Sn-Ti alloys on vitreous carbon. Scripta Materialia, 2001, 44, 2543-2549.	5.2	32
75	Lorentz force infiltration of fibrous preforms. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1991, 22, 2903-2915.	1.4	31
76	Initial stage hot pressing of monosized Ti and 90% Ti-10% TiC powders. Acta Metallurgica Et Materialia, 1993, 41, 955-965.	1.8	31
77	Investigation of crack-tip plasticity in high volume fraction particulate metal matrix composites. Engineering Fracture Mechanics, 2004, 71, 2385-2406.	4.3	31
78	On measuring wettability in infiltration processing. Scripta Materialia, 2007, 56, 859-862.	5.2	31
79	Surface oxide in replicated microcellular aluminium and its influence on the plasticity size effect. Acta Materialia, 2009, 57, 286-294.	7.9	31
80	Open cellular magnesium alloys for biodegradable orthopaedic implants. Journal of Magnesium and Alloys, 2013, 1, 303-311.	11.9	31
81	Compression testing spherical particles for strength: Theory of the meridian crack test and implementation for microscopic fused quartz. Journal of the Mechanics and Physics of Solids, 2017, 99, 70-92.	4.8	31
82	Chemical stability of zirconia-stabilized alumina fibers during pressure infiltration by aluminum. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1991, 22, 2855-2862.	1.4	30
83	Tensile Behaviour of Replicated Aluminium Foams. Advanced Engineering Materials, 2004, 6, 444-447.	3.5	30
84	Structure and room-temperature deformation of alumina fiber-reinforced aluminum. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1992, 23, 1207-1219.	1.4	29
85	Microcellular Aluminium? – Child's Play!. Advanced Engineering Materials, 2007, 9, 951-954.	3.5	29
86	Infiltration of fibrous preforms by a pure metal: Part V. Influence of preform compressibility. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1999, 30, 471-482.	2.2	28
87	Simplified prediction of the monotonic uniaxial stress–strain curve of non-linear particulate composites. Acta Materialia, 2006, 54, 2145-2155.	7.9	28
88	An analysis of the tensile elongation to failure of laminated metal composites in the presence of strain-rate hardening. Acta Materialia, 2012, 60, 2265-2276.	7.9	28
89	Mechanical properties and cytocompatibility of dense and porous Zn produced by laser powder bed fusion for biodegradable implant applications. Acta Biomaterialia, 2020, 110, 289-302.	8.3	28
90	Processing of microcellular SiC foams. Journal of Materials Science, 1995, 30, 1025-1032.	3.7	27

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91	Kinetics of densification by solution-reprecipitation. Acta Materialia, 1997, 45, 749-758.	7.9	27
92	Diffusion-limited reactive wetting: effect of interfacial reaction behind the advancing triple line. Journal of Materials Science, 2007, 42, 8071-8082.	3.7	27
93	Influence of reinforcement contiguity on the thermal expansion of alumina particle reinforced aluminium composites. International Journal of Materials Research, 2010, 101, 1113-1120.	0.3	27
94	In-situ strength of individual silicon particles within an aluminium casting alloy. Acta Materialia, 2018, 143, 67-76.	7.9	27
95	Solidification of binary hypoeutectic alloy matrix composite castings. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1996, 27, 595-609.	2.2	26
96	Heating of TEM specimens during ion milling. Ultramicroscopy, 2001, 87, 123-133.	1.9	26
97	Functional grading of metal foam cores for yield-limited lightweight sandwich beams. Scripta Materialia, 2006, 54, 539-543.	5.2	26
98	Wetting of SAFFIL alumina fiber preforms by aluminum at 973 K. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1992, 23, 2071-2073.	1.4	25
99	Experimental investigation of stress and strain fields in a ductile matrix surrounding an elastic inclusion. Acta Materialia, 2000, 48, 1451-1467.	7.9	25
100	Sintering of NaCl powder: Mechanisms and first stage kinetics. Journal of the European Ceramic Society, 2006, 26, 3487-3497.	5.7	24
101	High-temperature wettability of aluminum nitride during liquid metal infiltration. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 495, 197-202.	5.6	24
102	Creep of aluminium–magnesium open cell foam. Acta Materialia, 2009, 57, 830-837.	7.9	24
103	Fracture toughness of Al replicated foam. Acta Materialia, 2010, 58, 4590-4603.	7.9	24
104	Nextelâ,,¢ 610 alumina fibre reinforced aluminium: influence of matrix and process on flow stress. Composites Part A: Applied Science and Manufacturing, 2001, 32, 1067-1075.	7.6	23
105	Damage evolution of Nextel 610TM alumina fibre reinforced aluminium. Acta Materialia, 2004, 52, 573-581.	7.9	23
106	Porous Metals. , 2014, , 2399-2595.		23
107	Reinforced silver chloride as a model material for the study of dislocations in metal matrix composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1991, 144, 179-188.	5.6	22
108	Kinetic undercooling in solidification of a hypereutectic Al–Si alloy; effect of solidifying within a ceramic preform composite. Acta Materialia, 1998, 46, 91-99.	7.9	22

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109	Plasticity of continuous fiber-reinforced metals. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1999, 30, 1843-1866.	2.2	22
110	On the steady-state creep of microcellular metals. Scripta Materialia, 2007, 57, 33-36.	5.2	22
111	Young's modulus of ceramic particle reinforced aluminium: Measurement by the Impulse Excitation Technique and confrontation with analytical models. Composites Part A: Applied Science and Manufacturing, 2009, 40, 524-529.	7.6	22
112	Ductile-to-brittle transition in tensile failure of particle-reinforced metals. Journal of the Mechanics and Physics of Solids, 2009, 57, 473-499.	4.8	21
113	Tensile flow stress of ceramic particle-reinforced metal in the presence of particle cracking. Acta Materialia, 2008, 56, 4402-4416.	7.9	20
114	Activation volume in microcellular aluminium: Size effects in thermally activated plastic flow. Acta Materialia, 2011, 59, 6869-6879.	7.9	20
115	Capillary Phenomena, Interfacial Bonding, and Reactivity. , 1993, , 42-58.		19
116	Steady-state cellular solidification of Al-Cu Reinforced with alumina fibers. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1995, 26, 2141-2153.	2.2	19
117	Reactive infiltration processing of aluminum-nickel intermetallic compounds. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1998, 29, 2819-2828.	2.2	19
118	Influence of heat treatment and particle shape on mechanical properties of infiltrated Al2O3particle reinforced Al-2 wt-%Cu. Materials Science and Technology, 2002, 18, 1461-1470.	1.6	19
119	Wetting, interfacial interactions and sticking in glass/steel systems. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 384, 117-128.	5.6	19
120	Reactivity and thermal behaviour of Cu–Si/SiC composites: effects of SiC oxidation. Materials Science and Technology, 2006, 22, 1464-1468.	1.6	19
121	Cast aluminium single crystals cross the threshold from bulk to size-dependent stochastic plasticity. Nature Materials, 2017, 16, 730-736.	27.5	19
122	Longitudinal deformation of fibre reinforced metals: influence of fibre distribution on stiffness and flow stress. Mechanics of Materials, 2005, 37, 1-17.	3.2	18
123	Fracture behavior of low-density replicated aluminum alloy foams. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 496, 376-382.	5.6	18
124	Creep of replicated microcellular aluminium. Acta Materialia, 2011, 59, 440-450.	7.9	18
125	Infiltration of fibrous preforms by a pure metal:. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1992, 23, 2291-2299.	1.4	17
126	Processing of Ag–Cu alloy foam by the replication process. Scripta Materialia, 2009, 61, 351-354.	5.2	17

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127	Dihedral angles in Cu–1 wt.% Pb: Grain boundary energy and grain boundary triple line effects. Acta Materialia, 2009, 57, 2527-2537.	7.9	17
128	Fatigue and cyclic creep of replicated microcellular aluminium. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 2657-2663.	5.6	17
129	Laminated Metal Composites by Infiltration. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2011, 42, 3509-3520.	2.2	17
130	Tensile strength of axially loaded unidirectional Nextel 610â,,¢ reinforced aluminium: A case study in local load sharing between randomly distributed fibres. Composites Part A: Applied Science and Manufacturing, 2012, 43, 129-137.	7.6	17
131	Dislocation emission at fibers—II. Experiments and microstructure of thermal punching. Acta Metallurgica Et Materialia, 1991, 39, 1417-1429.	1.8	16
132	The status of metal-matrix composite research and development in Japan. Jom, 1993, 45, 10-18.	1.9	16
133	Damage evolution in Saffil alumina short-fibre reinforced aluminium during tensile testing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 395, 27-34.	5.6	16
134	Increasing the Strength/Toughness Combination of High Volume Fraction Particulate Metal Matrix Composites using an Al-Ag Matrix Alloy. Advanced Engineering Materials, 2006, 8, 56-62.	3.5	16
135	Particle fracture in high-volume-fraction ceramic-reinforced metals: Governing parameters and implications for composite failure. Journal of the Mechanics and Physics of Solids, 2009, 57, 1781-1800.	4.8	16
136	In situ copper–alumina composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 585, 396-407.	5.6	16
137	Hole and notch sensitivity of aluminium replicated foam. Acta Materialia, 2011, 59, 572-581.	7.9	15
138	Tensile elongation of unidirectional or laminated composites combining a brittle reinforcement with a ductile strain and strain-rate hardening matrix. Acta Materialia, 2014, 71, 31-43.	7.9	15
139	Fluid flow through replicated microcellular materials in the Darcy-Forchheimer regime. Acta Materialia, 2017, 126, 280-293.	7.9	15
140	Silicon particle pinhole defects in aluminium–silicon alloys. Journal of Materials Science, 2017, 52, 858-868.	3.7	15
141	Steady state solidification of reinforced binary alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1993, 173, 205-212.	5.6	14
142	A stereoscopic method for dihedral angle measurement. Journal of Materials Science, 2005, 40, 3121-3127.	3.7	14
143	Microstructural Tailoring of Open-Pore Microcellular Aluminium by Replication Processing. Materials Science Forum, 2006, 512, 281-288.	0.3	14
144	Percolation and Universal Scaling in Composite Infiltration Processing. Materials Research Letters, 2015, 3, 7-15.	8.7	13

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145	Designing laminated metal composites for tensile ductility. Materials & Design, 2015, 66, 412-420.	5.1	13
146	Plasticity in Chevron-notch fracture toughness testing. Engineering Fracture Mechanics, 2000, 67, 263-276.	4.3	12
147	The effect of size on the plastic deformation of annealed cast aluminium microwires. Scripta Materialia, 2019, 161, 58-61.	5.2	12
148	On the relaxation of a mismatching spheroid by prismatic loop punching. Scripta Metallurgica Et Materialia, 1991, 25, 761-766.	1.0	11
149	On Thermal Effects in Reactive Wetting. Scripta Materialia, 1998, 38, 1411-1417.	5.2	11
150	Ageâ€hardening Response of Replicated Microcellular Alâ€4.5%Cu. Advanced Engineering Materials, 2008, 10, 849-852.	3.5	11
151	Direct measurement of drainage curves in infiltration of SiC particle preforms. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 495, 203-207.	5.6	11
152	Microstructure, strength and creep of aluminium-nickel open cell foam. Philosophical Magazine, 2009, 89, 1121-1139.	1.6	11
153	Fracture of convoluted and lamellar $\hat{I}\pm 2\hat{A}+\hat{A}\hat{I}^3$ TiAl alloys. Intermetallics, 2012, 22, 176-188.	3.9	11
154	The plasticity size effect in replicated microcellular aluminium. Scripta Materialia, 2013, 69, 469-472.	5.2	11
155	Effect of hydrostatic pressure on flow and deformation in highly reinforced particulate composites. Acta Materialia, 2016, 117, 345-355.	7.9	11
156	Stable room-temperature micron-scale crack growth in single-crystalline silicon. Journal of Materials Research, 2017, 32, 3617-3626.	2.6	11
157	Hypervelocity impact testing on stochastic and structured open porosity cast Al-Si cellular structures for space applications. International Journal of Impact Engineering, 2018, 120, 126-137.	5.0	11
158	3D metal freeform micromanufacturing. Journal of Manufacturing Processes, 2021, 68, 867-876.	5.9	11
159	Relaxed configuration of a row of punched prismatic dislocation loops. Scripta Metallurgica Et Materialia, 1991, 25, 607-612.	1.0	10
160	Microsegregation in cellular solidification. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1994, 25, 2295-2301.	2.2	10
161	On the Work Hardening of Fiber Reinforced Copper. Scripta Materialia, 1998, 38, 1109-1115.	5.2	10
162	Improvement of elevated temperature mechanical properties of Cu–Ni–Sn–Pb alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 4326-4333.	5.6	10

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163	Capillarity in pressure infiltration: improvements in characterization of high-temperature systems. Journal of Materials Science, 2012, 47, 8419-8430.	3.7	10
164	The local strength of individual alumina particles. Journal of the Mechanics and Physics of Solids, 2017, 109, 34-49.	4.8	10
165	Kinetic processes in the high-temperature pressure-infiltration of Al into Al2O3. Acta Materialia, 2020, 189, 105-117.	7.9	10
166	Fabrication and Compressive Response of Open-Cell Aluminum Foams with Sub-Millimeter Pores. , 0, , 34-39.		10
167	Particle/matrix bonding in alumina-steel composites. Scripta Metallurgica Et Materialia, 1991, 25, 1917-1920.	1.0	9
168	The Effect of Prior Deformation on the Foaming Behavior of "FORMGRIP―Precursor Material. Advanced Engineering Materials, 2002, 4, 749-752.	3.5	9
169	Fracture of high volume fraction ceramic particle reinforced aluminium under multiaxial stress. Acta Materialia, 2010, 58, 3895-3907.	7.9	9
170	Infiltrated Cu8Al–Ti alumina composites. Composites Part A: Applied Science and Manufacturing, 2014, 66, 1-15.	7.6	9
171	The local strength of microscopic alumina reinforcements. Acta Materialia, 2015, 100, 215-223.	7.9	9
172	Meridian crack test strength of plasma-sprayed amorphous and nanocrystalline ceramic microparticles. Acta Materialia, 2018, 145, 278-289.	7.9	9
173	Corrigenda and comments on the infiltration of fiber preforms. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1990, 21, 2287-2287.	1.4	8
174	Capillary shape equilibration of liquid inclusions embedded in a partly soluble solid. Scripta Materialia, 2006, 55, 955-958.	5.2	8
175	Scaling of conductivity and Young's modulus in replicated microcellular materials. Journal of Materials Science, 2013, 48, 8140-8146.	3.7	8
176	On measuring fracture toughness under load control in the presence of slow crack growth. Journal of the European Ceramic Society, 2015, 35, 3155-3166.	5.7	8
177	Interface structure in infiltrated composites of aluminum reinforced with alumina-silica fiber preforms. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1991, 22, 1126-1128.	1.4	7
178	The effect of gravity on solution-reprecipitation during liquid phase sintering. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2000, 31, 397-400.	2.2	7
179	Corrigendum to: on the tensile behaviour of infiltrated alumina particle reinforced aluminium composites. Acta Materialia, 2003, 51, 6493-6496.	7.9	7
180	Damage accumulation during cyclic loading of a continuous alumina fibre reinforced aluminium composite. Scripta Materialia, 2005, 53, 1111-1115.	5.2	7

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181	Direct measurement of drainage curves in infiltration of SiC particle preforms: influence of interfacial reactivity. Journal of Materials Science, 2008, 43, 5061-5067.	3.7	7
182	Measurement of damage evolution in continuous ceramic fibre-reinforced metals by acoustic emission. Scripta Materialia, 2008, 59, 842-845.	5.2	7
183	Infiltration of tin bronze into alumina particle beds: influence of alloy chemistry on drainage curves. Journal of Materials Science, 2014, 49, 7669-7678.	3.7	7
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