

# Andreas Mortensen

## List of Publications by Year in descending order

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237  
papers

9,415  
citations

44069

48  
h-index

51608

86  
g-index

246  
all docs

246  
docs citations

246  
times ranked

5195  
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface energy contributions to the work of infiltration in metal matrix composite processing. <i>Scripta Materialia</i> , 2022, 206, 114223.	5.2	1
2	A method for cleaning flat punch diamond microprobe tips. <i>Micron</i> , 2022, 155, 103217.	2.2	1
3	Investment casting of periodic aluminum cellular structures using slurry-cast table salt moulds. <i>Materials and Design</i> , 2022, 215, 110488.	7.0	6
4	Glass-in-glass infiltration for 3D micro-optical composite components. <i>Optics Express</i> , 2022, 30, 13603.	3.4	2
5	The thermally activated deformation behaviour of single-crystalline microcast aluminium wires. <i>Acta Materialia</i> , 2022, 234, 118037.	7.9	5
6	Finite element simulation of the Portevin-Le Chatelier effect in highly reinforced metal matrix composites. <i>Philosophical Magazine</i> , 2021, 101, 1471-1489.	1.6	2
7	Simulating Infiltration as a Sequence of Pinning and De-pinning Processes. <i>Acta Materialia</i> , 2021, 210, 116831.	7.9	3
8	Processing and micro-mechanical characterization of multi-component transition MC carbides in iron. <i>Journal of the European Ceramic Society</i> , 2021, 41, 3937-3946.	5.7	4
9	3D metal freeform micromanufacturing. <i>Journal of Manufacturing Processes</i> , 2021, 68, 867-876.	5.9	11
10	Kinetic processes in the high-temperature pressure-infiltration of Al into Al <sub>2</sub> O <sub>3</sub> . <i>Acta Materialia</i> , 2020, 189, 105-117.	7.9	10
11	Mechanical properties and cytocompatibility of dense and porous Zn produced by laser powder bed fusion for biodegradable implant applications. <i>Acta Biomaterialia</i> , 2020, 110, 289-302.	8.3	28
12	Reactive pressure infiltration of Cu-46at.pct. Si into carbon. <i>Acta Materialia</i> , 2019, 177, 9-19.	7.9	5
13	Laue microdiffraction characterisation of as-cast and tensile deformed Al microwires. <i>Philosophical Magazine</i> , 2019, 99, 1866-1880.	1.6	4
14	Mechanical properties of replicated cellular Zn and Zn1.5Mg in uniaxial compression. <i>Materials Characterization</i> , 2019, 157, 109895.	4.4	5
15	The effect of size on the plastic deformation of annealed cast aluminium microwires. <i>Scripta Materialia</i> , 2019, 161, 58-61.	5.2	12
16	Meridian crack test strength of plasma-sprayed amorphous and nanocrystalline ceramic microparticles. <i>Acta Materialia</i> , 2018, 145, 278-289.	7.9	9
17	In-situ strength of individual silicon particles within an aluminium casting alloy. <i>Acta Materialia</i> , 2018, 143, 67-76.	7.9	27
18	Stress relaxation in the presence of sudden strain bursts: Methodology and stress relaxation data of microcast aluminium microwires. <i>Data in Brief</i> , 2018, 21, 2134-2141.	1.0	2

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19	Hypervelocity impact testing on stochastic and structured open porosity cast Al-Si cellular structures for space applications. <i>International Journal of Impact Engineering</i> , 2018, 120, 126-137.	5.0	11
20	On the diametric compression strength test of brittle spherical particles. <i>European Journal of Mechanics, A/Solids</i> , 2018, 72, 148-154.	3.7	6
21	Compression testing spherical particles for strength: Theory of the meridian crack test and implementation for microscopic fused quartz. <i>Journal of the Mechanics and Physics of Solids</i> , 2017, 99, 70-92.	4.8	31
22	Occurrence of the Portevin Le-Châtelier effect in open-cell microcellular Al-2wt% Mg. <i>Scripta Materialia</i> , 2017, 132, 13-16.	5.2	1
23	Cast aluminium single crystals cross the threshold from bulk to size-dependent stochastic plasticity. <i>Nature Materials</i> , 2017, 16, 730-736.	27.5	19
24	Fluid flow through replicated microcellular materials in the Darcy-Forchheimer regime. <i>Acta Materialia</i> , 2017, 126, 280-293.	7.9	15
25	The local strength of individual alumina particles. <i>Journal of the Mechanics and Physics of Solids</i> , 2017, 109, 34-49.	4.8	10
26	Stable room-temperature micron-scale crack growth in single-crystalline silicon. <i>Journal of Materials Research</i> , 2017, 32, 3617-3626.	2.6	11
27	Silicon particle pinhole defects in aluminium-silicon alloys. <i>Journal of Materials Science</i> , 2017, 52, 858-868.	3.7	15
28	Femtosecond laser assisted 3-dimensional freeform fabrication of metal microstructures in fused silica (Conference Presentation). , 2017, , .		0
29	Fracture toughness measurement in fused quartz using triangular chevron-notched micro-cantilevers. <i>Scripta Materialia</i> , 2016, 112, 132-135.	5.2	38
30	Effect of hydrostatic pressure on flow and deformation in highly reinforced particulate composites. <i>Acta Materialia</i> , 2016, 117, 345-355.	7.9	11
31	Microscopic strength of silicon particles in an aluminium-silicon alloy. <i>Acta Materialia</i> , 2016, 105, 165-175.	7.9	47
32	20ÅHz X-ray tomography during an in situ tensile test. <i>International Journal of Fracture</i> , 2016, 200, 3-12.	2.2	99
33	Influence of the wetting angle on capillary forces in pressure infiltration. <i>Acta Materialia</i> , 2015, 91, 57-69.	7.9	33
34	Percolation and Universal Scaling in Composite Infiltration Processing. <i>Materials Research Letters</i> , 2015, 3, 7-15.	8.7	13
35	On measuring fracture toughness under load control in the presence of slow crack growth. <i>Journal of the European Ceramic Society</i> , 2015, 35, 3155-3166.	5.7	8
36	Fracture toughness testing of nanocrystalline alumina and fused quartz using chevron-notched microbeams. <i>Acta Materialia</i> , 2015, 86, 385-395.	7.9	96

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37	The local strength of microscopic alumina reinforcements. <i>Acta Materialia</i> , 2015, 100, 215-223.	7.9	9
38	Designing laminated metal composites for tensile ductility. <i>Materials &amp; Design</i> , 2015, 66, 412-420.	5.1	13
39	Influence of microstructural heterogeneity on the scaling between flow stress and relative density in microcellular Al-4.5%Cu. <i>Journal of Materials Science</i> , 2014, 49, 2403-2414.	3.7	4
40	Infiltrated Cu&Al-Ti alumina composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2014, 66, 1-15.	7.6	9
41	Infiltration of tin bronze into alumina particle beds: influence of alloy chemistry on drainage curves. <i>Journal of Materials Science</i> , 2014, 49, 7669-7678.	3.7	7
42	<i>Porous Metals.</i> , 2014, , 2399-2595.		23
43	Tensile elongation of unidirectional or laminated composites combining a brittle reinforcement with a ductile strain and strain-rate hardening matrix. <i>Acta Materialia</i> , 2014, 71, 31-43.	7.9	15
44	Deformation of Open-Cell Microcellular Pure Aluminum Investigated by the Acoustic Emission Technique. , 2014, , 339-342.		0
45	In situ copper-alumina composites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 585, 396-407.	5.6	16
46	Open cellular magnesium alloys for biodegradable orthopaedic implants. <i>Journal of Magnesium and Alloys</i> , 2013, 1, 303-311.	11.9	31
47	Scaling of conductivity and Young's modulus in replicated microcellular materials. <i>Journal of Materials Science</i> , 2013, 48, 8140-8146.	3.7	8
48	The plasticity size effect in replicated microcellular aluminium. <i>Scripta Materialia</i> , 2013, 69, 469-472.	5.2	11
49	Influence of quench rate and microstructure on bendability of AA6016 aluminum alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 559, 558-565.	5.6	45
50	On the load-bearing efficiency of open-cell foams: A comparison of two architectures related to two processes. <i>Scripta Materialia</i> , 2013, 68, 44-49.	5.2	6
51	Steel-Magnesium Laminated Composites by Infiltration. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1373, 143.	0.1	0
52	Capillarity in pressure infiltration: improvements in characterization of high-temperature systems. <i>Journal of Materials Science</i> , 2012, 47, 8419-8430.	3.7	10
53	Fracture of convoluted and lamellar $\text{TiAl}$ alloys. <i>Intermetallics</i> , 2012, 22, 176-188.	3.9	11
54	Tensile strength of axially loaded unidirectional Nextel 610 reinforced aluminium: A case study in local load sharing between randomly distributed fibres. <i>Composites Part A: Applied Science and Manufacturing</i> , 2012, 43, 129-137.	7.6	17

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55	Al <sub>2</sub> O <sub>3</sub> particle rounding in molten copper and Cu <sub>8</sub> wt%Al. <i>Journal of Materials Science</i> , 2012, 47, 6346-6353.	3.7	5
56	An analysis of the tensile elongation to failure of laminated metal composites in the presence of strain-rate hardening. <i>Acta Materialia</i> , 2012, 60, 2265-2276.	7.9	28
57	Thermal conductivity and interfacial conductance of AlN particle reinforced metal matrix composites. <i>Journal of Applied Physics</i> , 2011, 109, .	2.5	56
58	Solid state transformations of Au-Cu-Pt alloys studied by in-situ X-ray synchrotron radiation and DSC. <i>Intermetallics</i> , 2011, 19, 726-737.	3.9	3
59	Thermally activated deformation of two- and three-variant nanotwinned L10 Au-Cu-Pt. <i>Intermetallics</i> , 2011, 19, 988-996.	3.9	3
60	On measured activation volumes as relevant to ratcheting or cyclic creep. <i>Scripta Materialia</i> , 2011, 65, 787-790.	5.2	0
61	Activation volume in microcellular aluminium: Size effects in thermally activated plastic flow. <i>Acta Materialia</i> , 2011, 59, 6869-6879.	7.9	20
62	Fatigue and cyclic creep of replicated microcellular aluminium. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 2657-2663.	5.6	17
63	Hole and notch sensitivity of aluminium replicated foam. <i>Acta Materialia</i> , 2011, 59, 572-581.	7.9	15
64	L10 nanotwinned gold-rich Au-Cu-Pt. <i>Acta Materialia</i> , 2011, 59, 3184-3195.	7.9	5
65	Laminated Metal Composites by Infiltration. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2011, 42, 3509-3520.	2.2	17
66	Creep of replicated microcellular aluminium. <i>Acta Materialia</i> , 2011, 59, 440-450.	7.9	18
67	Multiaxial yield behaviour of Al replicated foam. <i>Journal of the Mechanics and Physics of Solids</i> , 2011, 59, 1777-1793.	4.8	50
68	Improvement of elevated temperature mechanical properties of Cu-Ni-Sn-Pb alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 4326-4333.	5.6	10
69	Solidification of Al-4.5wt% Cu-Replicated Foams. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2010, 41, 2048-2055.	2.2	5
70	Measurement and anisotropy of grain boundary energy in Cu-1wt.% Pb. <i>Scripta Materialia</i> , 2010, 62, 262-265.	5.2	1
71	Fracture of high volume fraction ceramic particle reinforced aluminium under multiaxial stress. <i>Acta Materialia</i> , 2010, 58, 3895-3907.	7.9	9
72	Fracture toughness of Al replicated foam. <i>Acta Materialia</i> , 2010, 58, 4590-4603.	7.9	24

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73	Yield surface of polyurethane and aluminium replicated foam. <i>Acta Materialia</i> , 2010, 58, 5168-5183.	7.9	37
74	Pleated crystals. <i>Nature</i> , 2010, 468, 906-907.	27.8	1
75	Influence of reinforcement contiguity on the thermal expansion of alumina particle reinforced aluminium composites. <i>International Journal of Materials Research</i> , 2010, 101, 1113-1120.	0.3	27
76	Metal Matrix Composites. <i>Annual Review of Materials Research</i> , 2010, 40, 243-270.	9.3	354
77	Influence of chemistry and microstructure on the activation volume of TiAl alloys. <i>Intermetallics</i> , 2010, 18, 2145-2153.	3.9	3
78	Processing of Ag-Cu alloy foam by the replication process. <i>Scripta Materialia</i> , 2009, 61, 351-354.	5.2	17
79	Ductile-to-brittle transition in tensile failure of particle-reinforced metals. <i>Journal of the Mechanics and Physics of Solids</i> , 2009, 57, 473-499.	4.8	21
80	Particle fracture in high-volume-fraction ceramic-reinforced metals: Governing parameters and implications for composite failure. <i>Journal of the Mechanics and Physics of Solids</i> , 2009, 57, 1781-1800.	4.8	16
81	Surface oxide in replicated microcellular aluminium and its influence on the plasticity size effect. <i>Acta Materialia</i> , 2009, 57, 286-294.	7.9	31
82	Creep of aluminium-magnesium open cell foam. <i>Acta Materialia</i> , 2009, 57, 830-837.	7.9	24
83	In situ flow stress of pure aluminium constrained by tightly packed alumina fibres. <i>Acta Materialia</i> , 2009, 57, 1795-1812.	7.9	60
84	Dihedral angles in Cu-1 wt.% Pb: Grain boundary energy and grain boundary triple line effects. <i>Acta Materialia</i> , 2009, 57, 2527-2537.	7.9	17
85	Young's modulus of ceramic particle reinforced aluminium: Measurement by the Impulse Excitation Technique and confrontation with analytical models. <i>Composites Part A: Applied Science and Manufacturing</i> , 2009, 40, 524-529.	7.6	22
86	Microstructure, strength and creep of aluminium-nickel open cell foam. <i>Philosophical Magazine</i> , 2009, 89, 1121-1139.	1.6	11
87	Intermediate temperature embrittlement of copper alloys. <i>International Materials Reviews</i> , 2009, 54, 94-116.	19.3	64
88	Uniaxial Deformation of Microcellular Metals: Model Systems and Simplified Analysis. <i>IUTAM Symposium on Cellular, Molecular and Tissue Mechanics</i> , 2009, , 1-8.	0.2	1
89	Direct measurement of drainage curves in infiltration of SiC particle preforms: influence of interfacial reactivity. <i>Journal of Materials Science</i> , 2008, 43, 5061-5067.	3.7	7
90	Age-hardening Response of Replicated Microcellular Al-4.5%Cu. <i>Advanced Engineering Materials</i> , 2008, 10, 849-852.	3.5	11

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91	High-temperature wettability of aluminum nitride during liquid metal infiltration. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 495, 197-202.	5.6	24
92	Coordination measurements in compacted NaCl irregular powders using X-ray microtomography. <i>Journal of the European Ceramic Society</i> , 2008, 28, 2441-2449.	5.7	36
93	Tensile flow stress of ceramic particle-reinforced metal in the presence of particle cracking. <i>Acta Materialia</i> , 2008, 56, 4402-4416.	7.9	20
94	Thermal conductivity of Al-SiC composites with monomodal and bimodal particle size distribution. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 480, 483-488.	5.6	144
95	Direct measurement of drainage curves in infiltration of SiC particle preforms. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 495, 203-207.	5.6	11
96	Fracture behavior of low-density replicated aluminum alloy foams. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 496, 376-382.	5.6	18
97	Equilibrium shape of a liquid intergranular inclusion in a stressed elastic solid. <i>Scripta Materialia</i> , 2008, 58, 610-613.	5.2	2
98	Measurement of damage evolution in continuous ceramic fibre-reinforced metals by acoustic emission. <i>Scripta Materialia</i> , 2008, 59, 842-845.	5.2	7
99	Microcellular Aluminium? "Child's Play!. <i>Advanced Engineering Materials</i> , 2007, 9, 951-954.	3.5	29
100	Influence of the infiltration pressure on the structure and properties of replicated aluminium foams. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 462, 68-75.	5.6	65
101	Spherical pore replicated microcellular aluminium: Processing and influence on properties. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 465, 124-135.	5.6	80
102	Infiltration of graphite preforms with Al-Si eutectic alloy and mercury. <i>Scripta Materialia</i> , 2007, 56, 991-994.	5.2	33
103	On measuring wettability in infiltration processing. <i>Scripta Materialia</i> , 2007, 56, 859-862.	5.2	31
104	On the steady-state creep of microcellular metals. <i>Scripta Materialia</i> , 2007, 57, 33-36.	5.2	22
105	Diffusion-limited reactive wetting: effect of interfacial reaction behind the advancing triple line. <i>Journal of Materials Science</i> , 2007, 42, 8071-8082.	3.7	27
106	The electrical conductivity of microcellular metals. <i>Journal of Applied Physics</i> , 2006, 100, 044912.	2.5	38
107	Microstructural Tailoring of Open-Pore Microcellular Aluminium by Replication Processing. <i>Materials Science Forum</i> , 2006, 512, 281-288.	0.3	14
108	Simplified prediction of the monotonic uniaxial stress-strain curve of non-linear particulate composites. <i>Acta Materialia</i> , 2006, 54, 2145-2155.	7.9	28

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109	Uniaxial deformation of microcellular metals. <i>Acta Materialia</i> , 2006, 54, 4129-4142.	7.9	76
110	Sintering of NaCl powder: Mechanisms and first stage kinetics. <i>Journal of the European Ceramic Society</i> , 2006, 26, 3487-3497.	5.7	24
111	Functional grading of metal foam cores for yield-limited lightweight sandwich beams. <i>Scripta Materialia</i> , 2006, 54, 539-543.	5.2	26
112	The effect of preform processing on replicated aluminium foam structure and mechanical properties. <i>Scripta Materialia</i> , 2006, 54, 2069-2073.	5.2	59
113	Capillary shape equilibration of liquid inclusions embedded in a partly soluble solid. <i>Scripta Materialia</i> , 2006, 55, 955-958.	5.2	8
114	Increasing the Strength/Toughness Combination of High Volume Fraction Particulate Metal Matrix Composites using an Al-Ag Matrix Alloy. <i>Advanced Engineering Materials</i> , 2006, 8, 56-62.	3.5	16
115	Replication Processing of Highly Porous Materials. <i>Advanced Engineering Materials</i> , 2006, 8, 795-803.	3.5	119
116	Reactivity and thermal behaviour of Cu/Si/SiC composites: effects of SiC oxidation. <i>Materials Science and Technology</i> , 2006, 22, 1464-1468.	1.6	19
117	Deformation of Highly Loaded Alumina Reinforced Aluminium Composites: Internal Damage and the Size Effect. <i>Materials Research Society Symposia Proceedings</i> , 2006, 977, 1.	0.1	0
118	Damage evolution in Saffil alumina short-fibre reinforced aluminium during tensile testing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005, 395, 27-34.	5.6	16
119	Graded open-cell aluminium foam core sandwich beams. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005, 404, 9-18.	5.6	114
120	Permeability of open-pore microcellular materials. <i>Acta Materialia</i> , 2005, 53, 1381-1388.	7.9	186
121	Ductility of Saffil short fibre reinforced metals. <i>Scripta Materialia</i> , 2005, 53, 17-21.	5.2	1
122	Damage accumulation during cyclic loading of a continuous alumina fibre reinforced aluminium composite. <i>Scripta Materialia</i> , 2005, 53, 1111-1115.	5.2	7
123	Longitudinal deformation of fibre reinforced metals: influence of fibre distribution on stiffness and flow stress. <i>Mechanics of Materials</i> , 2005, 37, 1-17.	3.2	18
124	Wetting in infiltration of alumina particle preforms with molten copper. <i>Journal of Materials Science</i> , 2005, 40, 2487-2491.	3.7	34
125	A stereoscopic method for dihedral angle measurement. <i>Journal of Materials Science</i> , 2005, 40, 3121-3127.	3.7	14
126	Measuring and tailoring capillary forces during liquid metal infiltration. <i>Current Opinion in Solid State and Materials Science</i> , 2005, 9, 196-201.	11.5	49



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127	Tensile Behaviour of Replicated Aluminium Foams. <i>Advanced Engineering Materials</i> , 2004, 6, 444-447.	3.5	30
128	Processing of NaCl powders of controlled size and shape for the microstructural tailoring of aluminium foams. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 374, 250-262.	5.6	86
129	Wetting, interfacial interactions and sticking in glass/steel systems. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 384, 117-128.	5.6	19
130	Investigation of crack-tip plasticity in high volume fraction particulate metal matrix composites. <i>Engineering Fracture Mechanics</i> , 2004, 71, 2385-2406.	4.3	31
131	Particle reinforced metals of high ceramic content. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 387-389, 822-831.	5.6	45
132	Damage evolution of Nextel 610TM alumina fibre reinforced aluminium. <i>Acta Materialia</i> , 2004, 52, 573-581.	7.9	23
133	Fracture of aluminium reinforced with densely packed ceramic particles: link between the local and the total work of fracture. <i>Acta Materialia</i> , 2004, 52, 1337-1351.	7.9	38
134	Uniaxial deformation of open-cell aluminum foam: the role of internal damage. <i>Acta Materialia</i> , 2004, 52, 2895-2902.	7.9	93
135	Fracture of aluminium reinforced with densely packed ceramic particles: influence of matrix hardening. <i>Acta Materialia</i> , 2004, 52, 5331-5345.	7.9	36
136	Structural Metallic Materials by Infiltration. , 2004, , 379-390.		4
137	Geometrically necessary dislocations and strain-gradient plasticity: a few critical issues. <i>Scripta Materialia</i> , 2003, 48, 119-125.	5.2	680
138	On the electrical conductivity of metal matrix composites containing high volume fractions of non-conducting inclusions. <i>Acta Materialia</i> , 2003, 51, 3199-3211.	7.9	102
139	Transmitted light microscopy of a fibre reinforced metal. <i>Journal of Microscopy</i> , 2003, 209, 8-12.	1.8	6
140	On the influence of the shape of randomly oriented, non-conducting inclusions in a conducting matrix on the effective electrical conductivity. <i>Acta Materialia</i> , 2003, 51, 495-505.	7.9	56
141	Corrigendum to: on the tensile behaviour of infiltrated alumina particle reinforced aluminium composites. <i>Acta Materialia</i> , 2003, 51, 6493-6496.	7.9	7
142	The influence of non-linear elasticity on the determination of Weibull parameters using the fibre bundle tensile test. <i>Composites Part A: Applied Science and Manufacturing</i> , 2003, 34, 907-912.	7.6	5
143	Processing Metal Matrix Composites. , 2003, , 39-64.		3
144	Metal Matrix Composites in Industry. , 2003, , .		113

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145	Influence of heat treatment and particle shape on mechanical properties of infiltrated Al <sub>2</sub> O <sub>3</sub> particle reinforced Al-2 wt-%Cu. <i>Materials Science and Technology</i> , 2002, 18, 1461-1470.	1.6	19
146	The Effect of Prior Deformation on the Foaming Behavior of "FORMGRIP" Precursor Material. <i>Advanced Engineering Materials</i> , 2002, 4, 749-752.	3.5	9
147	Quasistatic and dynamic compression of aluminum-oxide particle reinforced pure aluminum. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2002, 337, 202-211.	5.6	72
148	Effect of reaction on the tensile behavior of infiltrated boron carbide-aluminum composites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2002, 337, 264-273.	5.6	72
149	Size dependent strengthening in particle reinforced aluminium. <i>Acta Materialia</i> , 2002, 50, 39-51.	7.9	307
150	Composite Materials: Overview. , 2001, , 1361-1371.		4
151	Nextel, 610 alumina fibre reinforced aluminium: influence of matrix and process on flow stress. <i>Composites Part A: Applied Science and Manufacturing</i> , 2001, 32, 1067-1075.	7.6	23
152	Infiltration processing of fibre reinforced composites: governing phenomena. <i>Composites Part A: Applied Science and Manufacturing</i> , 2001, 32, 981-996.	7.6	152
153	Heating of TEM specimens during ion milling. <i>Ultramicroscopy</i> , 2001, 87, 123-133.	1.9	26
154	Deformation of open-cell aluminum foam. <i>Acta Materialia</i> , 2001, 49, 3959-3969.	7.9	180
155	Thermal fatigue of single-crystalline superalloy CMSX-4: a comparison of epitaxial laser-deposited material with the base single crystal. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001, 299, 152-156.	5.6	39
156	Quantification of microdamage phenomena during tensile straining of high volume fraction particle reinforced aluminium. <i>Acta Materialia</i> , 2001, 49, 497-505.	7.9	68
157	Influence of damage on the tensile behaviour of pure aluminium reinforced with 40 vol. pct alumina particles. <i>Acta Materialia</i> , 2001, 49, 3699-3709.	7.9	86
158	Diffusion-limited reactive wetting: spreading of Cu-Sn-Ti alloys on vitreous carbon. <i>Scripta Materialia</i> , 2001, 44, 2543-2549.	5.2	32
159	Reply to "Kinetics of reactive wetting". <i>Scripta Materialia</i> , 2001, 45, 953-956.	5.2	6
160	Plasticity in Chevron-notch fracture toughness testing. <i>Engineering Fracture Mechanics</i> , 2000, 67, 263-276.	4.3	12
161	Experimental investigation of stress and strain fields in a ductile matrix surrounding an elastic inclusion. <i>Acta Materialia</i> , 2000, 48, 1451-1467.	7.9	25
162	Swift and inverse Swift effect in alumina fiber reinforced aluminum wires. <i>Acta Materialia</i> , 2000, 48, 2451-2459.	7.9	4

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163	Fracture strength of alumina fiber reinforced aluminum wire with and without a torsional pre-strain. <i>Acta Materialia</i> , 2000, 48, 3235-3244.	7.9	4
164	The effect of gravity on solution-precipitation during liquid phase sintering. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2000, 31, 397-400.	2.2	7
165	Melt Infiltration of Metal Matrix Composites. , 2000, , 521-554.		37
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