Yanjun Li

List of Publications by Year
in descending order

124 papers	4,575 citations	109137 35 h-index	114278 63 g-index
126 all docs	126 docs citations	126 times ranked	3276 citing authors

#	Article	IF	Citations
1	Grain boundary segregation engineering in metallic alloys: A pathway to the design of interfaces. Current Opinion in Solid State and Materials Science, 2014, 18, 253-261.	5.6	466
2	Quantitative study on the precipitation behavior of dispersoids in DC-cast AA3003 alloy during heating and homogenization. Acta Materialia, 2003, 51, 3415-3428.	3.8	255
3	Microstructure evolution and mechanical behavior of a binary Alâ€"7Mg alloy processed by equal-channel angular pressing. Acta Materialia, 2015, 84, 42-54.	3.8	220
4	Precipitation of partially coherent Î±-Al(Mn,Fe)Si dispersoids and their strengthening effect in AA 3003 alloy. Acta Materialia, 2012, 60, 1004-1014.	3.8	197
5	Synergetic effect of Er and Zr on the precipitation hardening of Alâ€"Erâ€"Zr alloy. Scripta Materialia, 2011, 65, 592-595.	2.6	177
6	AlSi10Mg alloy nanocomposites reinforced with aluminum-coated graphene: Selective laser melting, interfacial microstructure and property analysis. Journal of Alloys and Compounds, 2019, 792, 203-214.	2.8	147
7	Physicochemical characterisation of combustion particles from vehicle exhaust and residential wood smoke. Particle and Fibre Toxicology, 2006, 3, 1.	2.8	141
8	Dispersoid strengthening in AA3xxx alloys with varying Mn and Si content during annealing at low temperatures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 567, 21-28.	2.6	111
9	Heterogeneous nucleation and grain growth of inoculated aluminium alloys: An integrated study by in-situ X-radiography and numerical modelling. Acta Materialia, 2017, 140, 224-239.	3.8	102
10	Segregation of Mg, Cu and their effects on the strength of Al Î£5 (210)[001] symmetrical tilt grain boundary. Acta Materialia, 2018, 145, 235-246.	3.8	101
11	Evolution of eutectic intermetallic particles in DC-cast AA3003 alloy during heating and homogenization. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 347, 130-135.	2.6	100
12	Revealing the heterogeneous nucleation behavior of equiaxed grains of inoculated Al alloys during directional solidification. Acta Materialia, 2018, 149, 312-325.	3.8	87
13	An extension of the Kampmannâ€"Wagner numerical model towards as-cast grain size prediction of multicomponent aluminum alloys. Acta Materialia, 2014, 71, 380-389.	3.8	84
14	Precipitation crystallography of plate-shaped Al6(Mn,Fe) dispersoids in AA5182 alloy. Acta Materialia, 2012, 60, 5963-5974.	3.8	83
15	Microstructure evolution of commercial pure titanium during equal channel angular pressing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 789-796.	2.6	80
16	Enhanced dispersoid precipitation and dispersion strengthening in an Al alloy by microalloying with Cd. Acta Materialia, 2018, 157, 114-125.	3.8	79
17	Effect of Ag addition on the precipitation evolution and interfacial segregation for Alâ€"Mgâ€"Si alloy. Acta Materialia, 2019, 180, 301-316.	3.8	76
18	Quantifying the grain boundary segregation strengthening induced by post-ECAP aging in an Al-5Cu alloy. Acta Materialia, 2018, 155, 199-213.	3.8	62

#	Article	IF	Citations
19	Achieve high ductility and strength in an Alâ€“Mg alloy by severe plastic deformation combined with inter-pass annealing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 598, 141-146.	2.6	60
20	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
21	Formation of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:mrow><mml:mo>{</mml:mo><mml:mrow><mml:mn>11</mml:mn><mml:mrow><mml:mover accent="true"><mml:mn>2</mml:mn><mml:mo>Â¯</mml:mo></mml:mover></mml:mrow><mml:mn>1</mml:mn></mml:mrow><mml twin boundaries in titanium by kinking mechanism through accumulative dislocation slip. Acta Materialia, 2016, 120, 403-414.	3.8	54
22	Solidification structures and phase selection of iron-bearing eutectic particles in a DC-cast AA5182 alloy. Acta Materialia, 2004, 52, 2673-2681.	3.8	51
23	Retrieval of three-dimensional spatial information from fast in situ two-dimensional synchrotron radiography of solidification microstructure evolution. Acta Materialia, 2014, 81, 241-247.	3.8	49
24	The influence of microchemistry on the softening behaviour of two cold-rolled Alâ€“Mnâ€“Feâ€“Si alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 601, 86-96.	2.6	47
25	High ductility bulk nanostructured Alâ€“Mg binary alloy processed by equal channel angular pressing and inter-pass annealing. Scripta Materialia, 2015, 105, 22-25.	2.6	47
26	Morphology and size control of octahedral and cubic primary Mg₂Si in an Mgâ€“Si system by regulating Sr contents. CrystEngComm, 2014, 16, 448-454.	1.3	46
27	Impurity effect of Mg on the generalized planar fault energy of Al. Journal of Materials Science, 2016, 51, 6552-6568.	1.7	46
28	Effect of heterogeneously distributed pre-existing dispersoids on the recrystallization behavior of a cold-rolled Alâ€“Mnâ€“Feâ€“Si alloy. Materials Characterization, 2015, 102, 92-97.	1.9	45
29	X-Ray Videomicroscopy Studies of Eutectic Al-Si Solidification in Al-Si-Cu. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2011, 42, 170-180.	1.1	42
30	Evolution in microstructure and properties during non-isothermal annealing of a cold-rolled Alâ€“Mnâ€“Feâ€“Si alloy with different microchemistry states. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 628, 216-229.	2.6	41
31	Revealing slip-induced extension twinning behaviors dominated by micro deformation in a magnesium alloy. International Journal of Plasticity, 2020, 128, 102669.	4.1	41
32	Effect of stoichiometry on the surface energies of {100} and {111} and the crystal shape of TiCx and TiNx. CrystEngComm, 2013, 15, 643-649.	1.3	39
33	Two-stage annealing of a cold-rolled Alâ€“Mnâ€“Feâ€“Si alloy with different microchemistry states. Journal of Materials Processing Technology, 2015, 221, 87-99.	3.1	39
34	Prominent role of multi-scale microstructural heterogeneities on superplastic deformation of a high solid solution Alâ€“7Mg alloy. International Journal of Plasticity, 2021, 146, 103108.	4.1	38
35	The 1.54-Î¼m photoluminescence from an (Er, Ge) co-doped SiO[sub 2] film deposited on Si by rf magnetron sputtering. Applied Physics Letters, 2004, 85, 4475.	1.5	36
36	Î±-Mg primary phase formation and dendritic morphology transition in solidification of a Mg-Nd-Gd-Zn-Zr casting alloy. Acta Materialia, 2016, 116, 177-187.	3.8	36

#	Article	IF	Citations
37	Dislocation behavior in a polycrystalline Mg-Y alloy using multi-scale characterization and VPSC simulation. Journal of Materials Science and Technology, 2022, 98, 87-98.	5.6	36
38	Influence of dispersoids on microstructure evolution and work hardening of aluminium alloys during tension and cold rolling. Philosophical Magazine, 2013, 93, 2995-3011.	0.7	35
39	Precipitation in an A356 foundry alloy with Cu additions - A transmission electron microscopy study. Journal of Alloys and Compounds, 2019, 785, 1106-1114.	2.8	31
40	Roles of Alloy Composition and Grain Refinement on Hot Tearing Susceptibility of 7Ã—Ã—Ã— Aluminum Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 4080-4091.	1.1	30
41	Easy glass formation in magnesium-based Mg-Ni-Nd alloys. Journal of Materials Science, 1996, 31, 1857-1863.	1.7	28
42	Annealing response of binary Alâ€“7Mg alloy deformed by equal channel angular pressing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 586, 374-381.	2.6	28
43	The deformation and work hardening behaviour of a SPD processed Al-5Cu alloy. Journal of Alloys and Compounds, 2017, 697, 239-248.	2.8	28
44	Formation and evolution of the interfacial structure in al/steel compound castings during solidification and heat treatment. Journal of Alloys and Compounds, 2020, 849, 156685.	2.8	28
45	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
46	Effects of La on the age hardening behavior and precipitation kinetics in the cast Alâ€“Cu alloy. Journal of Alloys and Compounds, 2012, 540, 154-158.	2.8	26
47	Dispersion of soft Bi particles and grain refinement of matrix in an Alâ€“Bi alloy by equal channel angular pressing. Journal of Alloys and Compounds, 2014, 605, 131-136.	2.8	26
48	Microstructure, hardness evolution and thermal stability of binary Al-7Mg alloy processed by ECAP with intermediate annealing. Transactions of Nonferrous Metals Society of China, 2014, 24, 2301-2306.	1.7	26
49	Deformation of an Alâ€“7Mg alloy with extensive structural micro-segregations during dynamic plastic deformation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 628, 160-167.	2.6	26
50	Revealing the factors influencing grain boundary segregation of P, As in Si: Insights from first-principles. Acta Materialia, 2019, 168, 52-62.	3.8	26
51	Prediction of elastic properties of nanofibrillated cellulose from micromechanical modeling and nano-structure characterization by transmission electron microscopy. Cellulose, 2013, 20, 761-770.	2.4	25
52	The role of grain boundary plane in slip transfer during deformation of magnesium alloys. Acta Materialia, 2022, 227, 117662.	3.8	25
53	Composition and orientation relationships of constituent particles in 3xxx aluminum alloys. Philosophical Magazine, 2014, 94, 556-568.	0.7	24
54	Orientation Preference of Recrystallization in Supersaturated Aluminum Alloys Influenced by Concurrent Precipitation. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 1378-1388.	1.1	22

#	Article	IF	Citations
55	Novel deformation structures of pure titanium induced by room temperature equal channel angular pressing. Materials Letters, 2014, 117, 195-198.	1.3	21
56	Lattice distortion induced site dependent carbon gettering at twin boundaries in silicon. Journal of Alloys and Compounds, 2017, 712, 599-604.	2.8	21
57	Combined effect of Mg and vacancy on the generalized planar fault energy of Al. Journal of Alloys and Compounds, 2017, 690, 841-850.	2.8	21
58	Modelling microstructure evolution during casting, homogenization and ageing heat treatment of Al-Mg-Si-Cu-Fe-Mn alloys. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2018, 63, 164-184.	0.7	21
59	Synergistic strengthening by nano-sized Î±-Al(Mn,Fe)Si and Al3Zr dispersoids in a heat-resistant Alâ€“Mnâ€“Feâ€“Siâ€“Zr alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 819, 141460.	2.6	20
60	Multi-component solid solution and cluster hardening of Alâ€“Mnâ€“Si alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 625, 153-157.	2.6	19
61	A Thermodynamic Study on the Effect of Solute on the Nucleation Driving Force, Solidâ€“Liquid Interfacial Energy, and Grain Refinement of Al Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 1770-1781.	1.1	19
62	Microstructural heterogeneity in hexagonal close-packed pure Ti processed by high-pressure torsion. Journal of Materials Science, 2012, 47, 4838-4844.	1.7	18
63	Enhanced nucleation and precipitation hardening in Alâ€“Mgâ€“Si(â€“Cu) alloys with minor Cd additions. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 792, 139698.	2.6	18
64	Freezing solute atoms in nanograined aluminum alloys via high-density vacancies. Nature Communications, 2022, 13, .	5.8	18
65	Factors affecting the strength of P{011}âŒ©566âŒª-texture after annealing of a cold-rolled Alâ€“Mnâ€“Feâ€“Si alloy. Journal of Materials Science, 2015, 50, 5091-5103.	1.7	17
66	Influence of Cu addition on the heat treatment response of A356 foundry alloy. Materials Today Communications, 2019, 19, 342-348.	0.9	17
67	Nanoparticle additions promote outstanding fracture toughness and fatigue strength in a cast Alâ€“Cu alloy. Materials and Design, 2020, 186, 108221.	3.3	17
68	Revealing the nucleation kinetics of primary Si particles in hypereutectic Alâ€“Si alloys under the influence of P inoculation. Journal of Materials Science, 2020, 55, 15621-15635.	1.7	17
69	Formation of incoherent deformation twin boundaries in a coarse-grained Al-7Mg alloy. Applied Physics Letters, 2015, 107, 091901.	1.5	15
70	Soft particles assisted grain refinement and strengthening of an Al-Bi-Zn alloy subjected to ECAP. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 703, 304-313.	2.6	15
71	Improving ageing kinetics and precipitation hardening in an Al-Mg-Si alloy by minor Cd addition. Materialia, 2018, 4, 33-37.	1.3	15
72	Growth kinetics of primary Si particles in hypereutectic Al-Si alloys under the influence of P inoculation: Experiments and modelling. Journal of Alloys and Compounds, 2021, 854, 155323.	2.8	15

#	Article	IF	Citations
73	Interfacial Microstructure Formation in Al7SiMg/Cu Compound Castings. International Journal of Metalcasting, 2021, 15, 40-48.	1.5	15
74	Synthesis of spherical NbB2âx particles by controlling the stoichiometry. CrystEngComm, 2012, 14, 1925.	1.3	14
75	Modelling the Age-Hardening Precipitation by a Revised Langer and Schwartz Approach with Log-Normal Size Distribution. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 4838-4852.	1.1	14
76	Carbon segregation at Î£3 {1â€¯1â€¯2} grain boundaries in silicon. Computational Materials Science, 2018, 143, 80-86.	1.4	13
77	In-situ X-radiographic study of nucleation and growth behaviour of primary silicon particles during solidification of a hypereutectic Al-Si alloy. Journal of Alloys and Compounds, 2020, 832, 154948.	2.8	13
78	Influence of Grain Refiners on the Wettability of Al2O3 Substrate by Aluminum Melt. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2021, 52, 382-392.	1.0	13
79	Microstructures and mechanical properties of nano-C and in situ Al2O3 reinforced aluminium matrix composites processed by equal-channel angular pressing. Journal of Alloys and Compounds, 2021, 876, 160159.	2.8	13
80	Isothermal annealing of cold-rolled Alâ€"Mnâ€"Feâ€"Si alloy with different microchemistry states. Transactions of Nonferrous Metals Society of China, 2014, 24, 3840-3847.	1.7	12
81	Effect modeling of Cr and Zn on microstructure evolution during homogenization heat treatment of AA3xxx alloys. Transactions of Nonferrous Metals Society of China, 2014, 24, 2145-2149.	1.7	12
82	Combining HAADF STEM tomography and electron diffraction for studies of Î±-Al(Fe,Mn)Si dispersoids in 3xxx aluminium alloys. Philosophical Magazine, 2015, 95, 744-758.	0.7	12
83	Formation of Î£3{110} incoherent twin boundaries through geometrically necessary boundaries in an Al-8Zn alloy subjected to one pass of equal channel angular pressing. Journal of Alloys and Compounds, 2018, 762, 190-195.	2.8	12
84	Achieving high-strength metallurgical bonding between A356 aluminum and copper through compound casting. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 810, 140979.	2.6	12
85	Aluminium substituted lanthanum based perovskite type oxides, non-stoichiometry and performance in methane partial oxidation by framework oxygen. Applied Catalysis A: General, 2016, 523, 171-181.	2.2	11
86	Microstructural considerations of enhanced tensile strength and mechanical constraint in a copper/stainless steel brazed joint. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 796, 139992.	2.6	11
87	Facile fabrication of ultrathin freestanding nanoporous Cu and Cu-Ag films with high SERS sensitivity by dealloying Mg-Cu(Ag)-Gd metallic glasses. Journal of Materials Science and Technology, 2021, 70, 205-213.	5.6	11
88	Through-process sensitivity analysis on the effect of process variables on strength in extruded Alâ€"Mgâ€"Si alloys. Journal of Materials Processing Technology, 2012, 212, 171-180.	3.1	10
89	Texture evolution of an Al-8Zn alloy during ECAP and post-ECAP isothermal annealing. Materials Characterization, 2019, 155, 109794.	1.9	10
90	Evolution in microstructure and mechanical properties during back-annealing of AlMnFeSi alloy. Transactions of Nonferrous Metals Society of China, 2012, 22, 1878-1883.	1.7	9

#	Article	IF	Citations
91	The Interactions Between Oxide Film Inclusions and Inoculation Particles TiB2 in Aluminum Melt. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2021, 52, 2497-2508.	1.0	9
92	Ge nanoparticle formation and photoluminescence in Er doped SiO2 films: influence of sputter gas and annealing. Microelectronics Journal, 2005, 36, 531-535.	1.1	8
93	Microstructural Evolution during Isothermal Annealing of a Cold-Rolled Al-Mn-Fe-Si Alloy with Different Microchemistry States. Materials Science Forum, 0, 794-796, 1163-1168.	0.3	8
94	Growth Directions of Precipitates in the Alâ€"Siâ€"Mgâ€"Hf Alloy Using Combined EBSD and FIB 3D-Reconstruction Techniques. Microscopy and Microanalysis, 2015, 21, 588-593.	0.2	8
95	Facile synthesis of metal and alloy nanoparticles by ultrasound-assisted dealloying of metallic glasses. Journal of Materials Science and Technology, 2021, 82, 144-152.	5.6	8
96	Mackay icosahedron explaining orientation relationship of dispersoids in aluminium alloys. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2014, 70, 888-896.	0.5	7
97	Orientation Studies of Î±-Al(Fe,Mn)Si Dispersoids in 3xxx Al Alloys. Materials Science Forum, 0, 794-796, 39-44.	0.3	7
98	The Influence of Processing Conditions on Microchemistry and the Softening Behavior of Cold Rolled Al-Mn-Fe-Si Alloys. Metals, 2016, 6, 61.	1.0	7
99	The orientation relationships of nanobelt-like Si₂Hf precipitates in an Alâ€"Siâ€"Mgâ€"Hf alloy. Journal of Applied Crystallography, 2016, 49, 1223-1230.	1.9	7
100	Effect of soft Bi particles on grain refinement during severe plastic deformation. Transactions of Nonferrous Metals Society of China, 2017, 27, 971-976.	1.7	7
101	Grain Boundary Segregation in Pd-Cu-Ag Alloys for High Permeability Hydrogen Separation Membranes. Membranes, 2018, 8, 81.	1.4	7
102	Revealing the Subsurface Basal âŒ©aâŒª Dislocation Activity in Magnesium Through Lattice Rotation Analysis. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 4414-4421.	1.1	7
103	Sn-Aided Joining of Cast Aluminum and Steel Through a Compound Casting Process. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2022, 53, 60-70.	1.0	7
104	Precipitation of Dispersoids in DC-Cast AA3103 Alloy during Heat Treatment. , 2016, , 1021-1027.		6
105	Prediction of solute diffusivity in Al assisted by first-principles molecular dynamics. Journal of Physics Condensed Matter, 2014, 26, 025403.	0.7	5
106	Revealing abnormal {11<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:mover accent="true"><mml:mrow><mml:mn>2</mml:mn></mml:mrow><mml:mo stretchy="true">Â¯</mml:mo></mml:mover></mml:mrow></mml:math>1} twins in commercial purity Ti subjected to split Hopkinson pressure bar. Journal of Alloys and Compounds, 2019, 783, 513-523.	2.8	5
107	Synergistic effects of Cd, Si and Cr additions on precipitation strengthening and thermal stability of dispersoids in AA3003 alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 832, 142422.	2.6	5
108	Characterization the Softening Behavior of Cold Rolled AlMnFeSi-Alloys during Conditions of Concurrent Precipitation. Materials Science Forum, 2013, 753, 231-234.	0.3	4

#	Article	IF	Citations
109	Prediction of as-cast grain size of inoculated aluminum alloys melt solidified under non-isothermal conditions. IOP Conference Series: Materials Science and Engineering, 2015, 84, 012015.	0.3	4
110	Accelerated recrystallization by electric current flash heating in cold-rolled Al-5Cu alloy under the influence of concurrent precipitation. Journal of Alloys and Compounds, 2019, 811, 151891.	2.8	4
111	Influence of Mg Content, Grain Size and Strain Rate on Mechanical Properties and DSA Behavior of Al-Mg Alloys Processed by ECAP and Annealing. Materials Science Forum, 0, 794-796, 870-875.	0.3	3
112	Numerical modelling and in-situ radiographic study of the grain nucleation and growth of inoculated aluminum alloys. IOP Conference Series: Materials Science and Engineering, 2015, 84, 012090.	0.3	3
113	Influence of Dendritic Growth of Equiaxed Grains on As-Cast Grain Size Prediction of Inoculated Aluminum Alloys. Transactions of the Indian Institute of Metals, 2015, 68, 1013-1016.	0.7	3
114	Twinnability of Alâ€“Mg alloys: A first-principles interpretation. Transactions of Nonferrous Metals Society of China, 2017, 27, 1313-1318.	1.7	3
115	The Influences of Grain Refiner, Inclusion Level, and Filter Grade on the Filtration Performance of Aluminum Melt. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2021, 52, 3946-3960.	1.0	3
116	X-Ray Video Microscopy Studies of Irregular Eutectic Solidification Microstructures in Alâ€“Siâ€“Cu Alloys. ISIJ International, 2010, 50, 1936-1940.	0.6	2
117	The influence of microchemistry on the recrystallization texture of cold-rolled Al-Mn-Fe-Si alloys. IOP Conference Series: Materials Science and Engineering, 2015, 82, 012035.	0.3	2
118	Study of Controllable Inclusion Addition Methods in Al Melt. Minerals, Metals and Materials Series, 2019, , 1041-1048.	0.3	2
119	Microstructure and properties of nano-C and in-situ Al2O3 reinforced aluminum matrix composites processed by high-pressure torsion. Composite Interfaces, 0, , 1-17.	1.3	2
120	Effect of Inclusion and Filtration on Grain Refinement Efficiency of Aluminum Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2022, 53, 1000-1012.	1.1	1
121	Revealing the Heterogeneous Nucleation and Growth Behaviour of Grains in Inoculated Aluminium Alloys During Solidification. Minerals, Metals and Materials Series, 2019, , 1665-1675.	0.3	0
122	The Effect of Grain Refiner on Aluminium Filtration. Minerals, Metals and Materials Series, 2021, , 803-809.	0.3	0
123	Orientation Relationship of Dispersoids Precipitated in an AA3XXX Alloy during Annealing at Low Temperatures. , 2012, , 1161-1166.		0
124	Morphological Transition of Î±-Mg Dendrites During Near-Isothermal Solidification of a Mgâ€“Ndâ€“Gdâ€“Znâ€“Zr Casting Alloy. Minerals, Metals and Materials Series, 2017, , 591-596.	0.3	0