

# Gang Sha

## List of Publications by Year in descending order

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160  
papers

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46984

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40954

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164  
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164  
docs citations

164  
times ranked

6352  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of arsenic on the distribution and mode of occurrence of gold during fluid-pyrite interaction: A case study of pyrite from the Qiucun gold deposit, China. <i>American Mineralogist</i> , 2022, 107, 914-929.	0.9	10
2	Application of atom probe tomography in understanding high entropy alloys: 3D local chemical compositions in atomic scale analysis. <i>Progress in Materials Science</i> , 2022, 123, 100854.	16.0	21
3	A new dynamic recrystallization mechanism in adiabatic shear band of an $\hat{\epsilon}/\hat{\beta}^2$ dual phase titanium alloy: Composition redistribution. <i>Scripta Materialia</i> , 2022, 206, 114229.	2.6	16
4	Synergistic effects of Cd, Si and Cr additions on precipitation strengthening and thermal stability of dispersoids in AA3003 alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 832, 142422.	2.6	5
5	Formation of high-temperature inner oxide scale on low alloy steels: Segregation, partitioning and transformation reactions. <i>Corrosion Science</i> , 2022, 195, 109980.	3.0	5
6	Rapid dislocation-mediated solute repartitioning towards strain-aging hardening in a fine-grained dilute magnesium alloy. <i>Materials Research Letters</i> , 2022, 10, 21-28.	4.1	17
7	Ion-irradiation-induced clustering in Fe-Mn-Ni-(Si) steels: Nucleation, growth and chemistry evolution. <i>Journal of Nuclear Materials</i> , 2022, 560, 153477.	1.3	1
8	Effects of atom probe analysis parameters on composition measurement of precipitates in an Al-Mg-Si-Cu alloy. <i>Ultramicroscopy</i> , 2022, 235, 113495.	0.8	6
9	Uniting tensile ductility with ultrahigh strength via composition undulation. <i>Nature</i> , 2022, 604, 273-279.	13.7	80
10	Temperature-dependent-composition of $\hat{\beta}$ phase in an Al-Zn-Mg-Cu alloy under high pressure torsion: Kinetics and thermodynamics. <i>Acta Materialia</i> , 2022, 237, 118181.	3.8	6
11	Mechanically Reinforced Artificial Enamel by Mg <sup>2+</sup> -Induced Amorphous Intergranular Phases. <i>ACS Nano</i> , 2022, 16, 10422-10430.	7.3	8
12	Composition-dependent dynamic precipitation and grain refinement in Al-Si system under high-pressure torsion. <i>Journal of Materials Science and Technology</i> , 2021, 68, 199-208.	5.6	16
13	Enhancement of strength-ductility balance of heavy Ti and Al alloyed FeCoNiCr high-entropy alloys via boron doping. <i>Journal of Materials Science and Technology</i> , 2021, 75, 154-163.	5.6	42
14	Precipitation kinetics and morphology evolution of the Co <sub>3</sub> (Al, W) phase in a medium supersaturation Co-Al-W alloy. <i>Journal of Materials Science</i> , 2021, 56, 2597-2611.	1.7	4
15	Longitudinal wave attenuation in polycrystals with elongated grains: 3D numerical and analytical modeling. <i>Journal of the Acoustical Society of America</i> , 2021, 149, 2377-2394.	0.5	14
16	Effect of cobalt on precipitation in Fe-Cr-Co-Mo-Ni-C stainless steels. <i>Materials Letters</i> , 2021, 289, 129439.	1.3	1
17	A medium-range structure motif linking amorphous and crystalline states. <i>Nature Materials</i> , 2021, 20, 1347-1352.	13.3	92
18	Enhanced tensile properties in a Cu-Al <sub>2</sub> O <sub>3</sub> alloy via trace Ti addition. <i>Journal of Alloys and Compounds</i> , 2021, 862, 158687.	2.8	13

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19	Ultrastrong nanocrystalline oxide-dispersion-strengthened ferritic alloy with exceptional thermal stability. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 821, 141616.	2.6	12
20	Temperature-Dependent Irradiation-Induced Clustering in a Fe-Mn-Ni Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2021, 52, 4264-4274.	1.1	3
21	Inversion methodology for ultrasonic characterization of polycrystals with clusters of preferentially oriented grains. <i>Ultrasonics</i> , 2021, 115, 106433.	2.1	11
22	Origins of high ductility exhibited by an extruded magnesium alloy Mg-1.8Zn-0.2Ca: Experiments and crystal plasticity modeling. <i>Journal of Materials Science and Technology</i> , 2021, 84, 27-42.	5.6	39
23	Stabilizing a severely deformed Al-Mg alloy with a multimodal grain structure via Mg solute segregation. <i>Journal of Materials Science and Technology</i> , 2021, 89, 141-149.	5.6	31
24	A new mechanism of surface phase formation on precipitation-hardening alloy under ion irradiation. <i>Applied Surface Science</i> , 2021, 563, 150358.	3.1	2
25	Shearing and rotation of $\text{Mg}_2\text{Si}$ and $\text{Mg}_2\text{Si}$ precipitates in an Al-Mg-Si alloy under tensile deformation: In-situ and ex-situ studies. <i>Acta Materialia</i> , 2021, 220, 117310.	3.8	46
26	Prominent role of multi-scale microstructural heterogeneities on superplastic deformation of a high solid solution Al-Mg alloy. <i>International Journal of Plasticity</i> , 2021, 146, 103108.	4.1	38
27	Tailoring microstructure of metallic glass for delocalized plasticity by pressure annealing: Forward and inverse studies. <i>Acta Materialia</i> , 2021, 220, 117282.	3.8	8
28	Irradiation-induced segregation/desegregation at grain boundaries of a ferritic Fe-Mn-Si steel. <i>Acta Materialia</i> , 2021, 220, 117297.	3.8	16
29	Irradiation-induced clustering in a Fe-Mn-Si alloy at different doses and temperatures. <i>Journal of Nuclear Materials</i> , 2021, 557, 153237.	1.3	4
30	Self-inhibition effect of metal incorporation in nanoscaled semiconductors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	0
31	Nanoscale pathways for human tooth decay – Central planar defect, organic-rich precipitate and high-angle grain boundary. <i>Biomaterials</i> , 2020, 235, 119748.	5.7	26
32	Formation of solute nanostructures in an Al-Zn-Mg alloy during long-term natural aging. <i>Journal of Alloys and Compounds</i> , 2020, 821, 153572.	2.8	33
33	Atom Probe Tomography Characterization of Dopant Distributions in Si FinFET: Challenges and Solutions. <i>Microscopy and Microanalysis</i> , 2020, 26, 36-45.	0.2	1
34	Bulk nanocrystalline high-strength magnesium alloys prepared via rotary swaging. <i>Acta Materialia</i> , 2020, 200, 274-286.	3.8	134
35	Efficient Er-Doped Silicon Light-Emitting Diodes at Communication Wavelength by Deep Cooling. <i>Advanced Optical Materials</i> , 2020, 8, 2000720.	3.6	23
36	Direct Imaging of Liquid-Nanoparticle Interfaces with Atom Probe Tomography. <i>Journal of Physical Chemistry C</i> , 2020, 124, 19389-19395.	1.5	13

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37	Maximizing the accuracy of finite element simulation of elastic wave propagation in polycrystals. Journal of the Acoustical Society of America, 2020, 148, 1890-1910.	0.5	21
38	Ultrastrong low-carbon nanosteel produced by heterostructure and interstitial mediated warm rolling. Science Advances, 2020, 6, .	4.7	75
39	Revealing Solute Clusters in Coalescence by Atom Probe Tomography Analysis. Microscopy and Microanalysis, 2020, 26, 1079-1087.	0.2	2
40	Attenuation and velocity of elastic waves in polycrystals with generally anisotropic grains: Analytic and numerical modeling. Journal of the Acoustical Society of America, 2020, 147, 2442-2465.	0.5	26
41	Solute-dislocation interactions and creep-enhanced Cu precipitation in a novel ferritic-martensitic steel. Acta Materialia, 2020, 195, 199-208.	3.8	60
42	Enhanced nucleation and precipitation hardening in Al-Mg-Si(Cu) alloys with minor Cd additions. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 792, 139698.	2.6	18
43	Elastic wave velocity dispersion in polycrystals with elongated grains: Theoretical and numerical analysis. Journal of the Acoustical Society of America, 2020, 148, 3645-3662.	0.5	13
44	Influence of aging pathways on the evolution of heterogeneous solute-rich features in peak-aged Al-Mg-Si-Cu alloy with a high Mg/Si ratio. Philosophical Magazine Letters, 2019, 99, 49-56.	0.5	4
45	The Microstructural Characterization of NiSi-Rich Sub-precipitates Within Cementite in Isothermally Aged Reactor Pressure Vessel Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2019, 50, 3992-3999.	1.1	2
46	Improvement of grain boundary tolerance by minor additions of Hf and B in a second generation single crystal superalloy. Acta Materialia, 2019, 176, 109-122.	3.8	45
47	Phase stability of an high-entropy Al-Cr-Fe-Ni-V alloy with exceptional mechanical properties: First-principles and APT investigations. Computational Materials Science, 2019, 170, 109161.	1.4	15
48	Gradient Microstructures and Mechanical Properties of Ti-6Al-4V/Zn Composite Prepared by Friction Stir Processing. Materials, 2019, 12, 2795.	1.3	9
49	Segregation and precipitation at grain boundaries of weathering steels without/with Sb addition. Materials Chemistry and Physics, 2019, 236, 121783.	2.0	9
50	Solute clustering and precipitation in an Al-Cu-Mg-Ag-Si model alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 760, 366-376.	2.6	22
51	Strengthening mechanisms in an ultrafine-grained Al Zn Mg Cu alloy processed by high pressure torsion at different temperatures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 752, 223-232.	2.6	34
52	Precipitation strengthening in an ultralight magnesium alloy. Nature Communications, 2019, 10, 1003.	5.8	88
53	Atom Probe Tomography Analysis of TiCx Powders Synthesized by SHS in Al/Fe/Cu-Ti-C Systems. Materials, 2019, 12, 4095.	1.3	4
54	Influence of Zn on the distribution and composition of heterogeneous solute-rich features in peak aged Al-Mg-Si-Cu alloys. Scripta Materialia, 2019, 159, 5-8.	2.6	44

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55	Understanding formation of Mg-depletion zones in Al-Mg alloys under high pressure torsion. Journal of Materials Science and Technology, 2019, 35, 858-864.	5.6	14
56	Dynamic precipitation, segregation and strengthening of an Al-Zn-Mg-Cu alloy (AA7075) processed by high-pressure torsion. Acta Materialia, 2019, 162, 19-32.	3.8	166
57	Solute clustering in Al-Mg-Si-Cu-(Zn) alloys during aging. Journal of Alloys and Compounds, 2019, 774, 347-363.	2.8	53
58	On the atomic model of Guinier-Preston zones in Al-Mg-Si-Cu alloys. Journal of Alloys and Compounds, 2018, 745, 644-650.	2.8	18
59	Effect of extrusion temperature on microstructure and properties of an ultrafine-grained Cu matrix nanocomposite fabricated by powder compact extrusion. Journal of Materials Science, 2018, 53, 5389-5401.	1.7	19
60	Numerical and analytic modelling of elastodynamic scattering within polycrystalline materials. Journal of the Acoustical Society of America, 2018, 143, 2394-2408.	0.5	38
61	Universal scaling of transverse wave attenuation in polycrystals. Ultrasonics, 2018, 88, 84-96.	2.1	12
62	Enhanced inter-diffusion of immiscible elements Fe/Cu at the interface of FeZr/CuZr amorphous multilayers. Materials Research Letters, 2018, 6, 55-60.	4.1	12
63	Effects of temperature on the irradiation responses of Al <sub>0.1</sub> CoCrFeNi high entropy alloy. Scripta Materialia, 2018, 144, 31-35.	2.6	103
64	High temperature stabilization of a nanostructured Cu-Y <sub>2</sub> O <sub>3</sub> composite through microalloying with Ti. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 712, 80-87.	2.6	35
65	Ultrastrong nanocrystalline steel with exceptional thermal stability and radiation tolerance. Nature Communications, 2018, 9, 5389.	5.8	88
66	Understanding structural evolution of nanostructured Cu-Al <sub>2</sub> O <sub>3</sub> composite powders during thermomechanical processing. Materialia, 2018, 4, 268-275.	1.3	9
67	High-content ductile coherent nanoprecipitates achieve ultrastrong high-entropy alloys. Nature Communications, 2018, 9, 4063.	5.8	399
68	Segregation induced hardening in annealed nanocrystalline Ni-Fe alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 735, 354-360.	2.6	19
69	Enhanced dispersoid precipitation and dispersion strengthening in an Al alloy by microalloying with Cd. Acta Materialia, 2018, 157, 114-125.	3.8	79
70	Nucleation driving force for $\beta'$ -assisted formation of $\beta$ and associated morphology in $\beta$ -Ti alloys. Scripta Materialia, 2018, 155, 149-154.	2.6	31
71	The effects of microalloying on the precipitate microstructure at grain boundary regions in an Mg-Zn-based alloy. Materials and Design, 2017, 119, 290-296.	3.3	29
72	Finite-element modelling of elastic wave propagation and scattering within heterogeneous media. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2017, 473, 20160738.	1.0	53

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73	Iron in solution with aluminum matrix after non-equilibrium processing: an atom probe tomography study. Philosophical Magazine Letters, 2017, 97, 118-124.	0.5	7
74	Si-induced precipitation modification and related age-hardening response of an Al-4Mg-1Cu-0.5Si alloy. Materials Chemistry and Physics, 2017, 193, 421-426.	2.0	8
75	Grain boundary stability governs hardening and softening in extremely fine nanograined metals. Science, 2017, 355, 1292-1296.	6.0	572
76	Non-uniform phase separation in ferrite of a duplex stainless steel. Acta Materialia, 2017, 140, 388-397.	3.8	49
77	Microstructural origins of high strength and high ductility in an AlCoCrFeNi <sub>2.1</sub> eutectic high-entropy alloy. Acta Materialia, 2017, 141, 59-66.	3.8	501
78	Entropy as a Gene-Like Performance Indicator Promoting Thermoelectric Materials. Advanced Materials, 2017, 29, 1702712.	11.1	218
79	Effect of Pre-strain on the Solute Clustering, Mechanical Properties, and Work-Hardening of a Naturally Aged Al-Cu-Mg Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 4121-4134.	1.1	6
80	Bauschinger Effect and Back Stress in Gradient Cu-Ge Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 3943-3950.	1.1	32
81	High-entropy Al <sub>0.3</sub> CoCrFeNi alloy fibers with high tensile strength and ductility at ambient and cryogenic temperatures. Acta Materialia, 2017, 123, 285-294.	3.8	378
82	Sensitivity Analysis of Laser Effect on Mg-Gd-Er Alloy. Microscopy and Microanalysis, 2017, 23, 714-715.	0.2	0
83	Microstructural evolution and phase transformation in twinning-induced plasticity steel induced by high-pressure torsion. Acta Materialia, 2016, 109, 300-313.	3.8	58
84	The role of $\gamma$ in the precipitation of $\beta$ in near- $\beta$ Ti alloys. Scripta Materialia, 2016, 117, 92-95.	2.6	37
85	Quantitative measurement for the microstructural parameters of nano-precipitates in Al-Mg-Si-Cu alloys. Materials Characterization, 2016, 118, 352-362.	1.9	41
86	Atomic-scale homogenization in an fcc-based high-entropy alloy via severe plastic deformation. Journal of Alloys and Compounds, 2016, 686, 15-23.	2.8	23
87	New insights into the phase transformations to isothermal $\gamma$ and $\beta$ -assisted $\beta$ in near $\beta$ -Ti alloys. Acta Materialia, 2016, 106, 353-366.	3.8	155
88	Precipitation hardening of an Mg-5Zn-2Gd-0.4Zr (wt. %) alloy. Acta Materialia, 2016, 108, 207-218.	3.8	70
89	Microstructural evolution, strengthening and thermal stability of an ultrafine-grained Al-Cu-Mg alloy. Acta Materialia, 2016, 109, 202-212.	3.8	163
90	Corrosion Behaviour of Al-4Mg-1Cu (wt%) Microalloyed with Si and Ag. Advanced Engineering Materials, 2015, 17, 1670-1674.	1.6	4

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91	The influence of partitioning on the growth of intragranular $\beta$ in near- $\beta^2$ Ti alloys. <i>Journal of Alloys and Compounds</i> , 2015, 643, 212-222.	2.8	39
92	Strengthening of an Al-Cu-Mg alloy processed by high-pressure torsion due to clusters, defects and defect-cluster complexes. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 627, 10-20.	2.6	70
93	Age-hardening effect and formation of nanoscale composite precipitates in a NiAlMnCu-containing steel. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 627, 340-347.	2.6	39
94	Enhanced bake-hardening response of an Al-Mg-Si-Cu alloy with Zn addition. <i>Materials Chemistry and Physics</i> , 2015, 162, 15-19.	2.0	48
95	Far-field scattering model for wave propagation in random media. <i>Journal of the Acoustical Society of America</i> , 2015, 137, 2655-2669.	0.5	34
96	The mechanism of $\beta$ -assisted $\beta$ phase formation in near $\beta^2$ -Ti alloys. <i>Scripta Materialia</i> , 2015, 104, 75-78.	2.6	75
97	A high-specific-strength and corrosion-resistant magnesium alloy. <i>Nature Materials</i> , 2015, 14, 1229-1235.	13.3	561
98	Mechanisms for enhanced plasticity in magnesium alloys. <i>Acta Materialia</i> , 2015, 82, 344-355.	3.8	119
99	Atomistic structure of Cu-containing $\beta$ precipitates in an Al-Mg-Si-Cu alloy. <i>Scripta Materialia</i> , 2014, 75, 86-89.	2.6	63
100	Precipitation of the $\beta$ -phase in an ultrafine grained beta-titanium alloy processed by severe plastic deformation. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 605, 144-150.	2.6	22
101	Strength, grain refinement and solute nanostructures of an Al-Mg-Si alloy (AA6060) processed by high-pressure torsion. <i>Acta Materialia</i> , 2014, 63, 169-179.	3.8	123
102	Microscopy and microanalysis of complex nanosized strengthening precipitates in new generation commercial Al-Cu-Li alloys. <i>Journal of Microscopy</i> , 2014, 255, 128-137.	0.8	28
103	Effect of solution treatment on precipitation and age-hardening response of an Al-4Mg-1Cu-0.5Si-0.4Ag (wt%) alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 599, 64-68.	2.6	8
104	Analysis of strengthening in AA6111 during the early stages of aging: Atom probe tomography and yield stress modelling. <i>Acta Materialia</i> , 2013, 61, 7285-7303.	3.8	142
105	Precipitation of quasicrystal approximant phases in an Al-Mg-Cu-Ge alloy. <i>Philosophical Magazine Letters</i> , 2013, 93, 77-84.	0.5	5
106	Confined Au-Pd Ensembles in Mesoporous TiO <sub>2</sub> Spheres for the Photocatalytic Oxidation of Acetaldehyde. <i>ChemCatChem</i> , 2013, 5, 3557-3561.	1.8	18
107	Solute clustering and solute nanostructures in an Al-3.5Cu-0.4Mg-0.2Ge alloy. <i>Acta Materialia</i> , 2013, 61, 3724-3734.	3.8	39
108	Enhanced age-hardening response of Al-4Mg-1Cu (wt.%) microalloyed with Ag and Si. <i>Scripta Materialia</i> , 2013, 68, 857-860.	2.6	30

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109	Influence of experimental parameters on the composition of precipitates in metallic alloys. Ultramicroscopy, 2013, 132, 199-204.	0.8	5
110	Influence of Low Level Ag Additions on Mg-Alloy AZ91. Advanced Engineering Materials, 2013, 15, 485-490.	1.6	9
111	Effects of Si addition on the microstructure evolution of Al-Cu-Mg alloys in the $\beta$ phase field. Philosophical Magazine Letters, 2013, 93, 648-654.	0.5	12
112	Influence of heat treatment on the microstructure, texture and formability of 2024 aluminium alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 552, 48-60.	2.6	85
113	Enhanced grain refinement of an Al-Mg-Si alloy by high-pressure torsion processing at 100°C. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 552, 415-418.	2.6	43
114	Heterogeneous nucleation of $\beta$ -type precipitates on nanoscale Zr-rich particles in a Mg-6Zn-0.5Cu-0.6Zr alloy. Nanoscale Research Letters, 2012, 7, 300.	3.1	8
115	Hydrogen-induced decomposition of Zr-rich cores in an Mg-6Zn-0.6Zr-0.5Cu alloy. Acta Materialia, 2012, 60, 5615-5625.	3.8	26
116	A New Approach to the Determination of Concentration Profiles in Atom Probe Tomography. Microscopy and Microanalysis, 2012, 18, 359-364.	0.2	40
117	Solute nanostructures and their strengthening effects in Al-7Si-0.6Mg alloy F357. Acta Materialia, 2012, 60, 692-701.	3.8	132
118	Precipitation microstructure and age-hardening response of an Mg-Gd-Nd-Zn-Zr alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 534, 1-6.	2.6	21
119	Precipitation microstructure and their strengthening effects of an Mg-2.8Nd-0.6Zn-0.4Zr alloy with a 0.2 wt.% Y addition. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 538, 272-280.	2.6	15
120	Effects of isothermal annealing on the microstructures and mechanical properties of a FeCuSiBAL amorphous alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 543, 145-151.	2.6	19
121	Towards new aluminium alloys through advances in atom probe microscopy. , 2012, , 29-30.		0
122	Microstructure and mechanical properties of Mg-6Zn-xCu-0.6Zr (wt.%) alloys. Journal of Alloys and Compounds, 2011, 509, 3526-3531.	2.8	48
123	Mechanical behaviors of as-deposited and annealed nanostructured Ni-Fe alloys. Scripta Materialia, 2011, 65, 1-4.	2.6	33
124	Solute segregation and texture modification in an extruded magnesium alloy containing gadolinium. Scripta Materialia, 2011, 65, 919-921.	2.6	207
125	Segregation of solute elements at grain boundaries in an ultrafine grained Al-Zn-Mg-Cu alloy. Ultramicroscopy, 2011, 111, 500-505.	0.8	107
126	A comparison of the structure of solute clusters formed during thermal ageing and irradiation. Ultramicroscopy, 2011, 111, 664-671.	0.8	48



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127	Nanostructure of aluminium alloy 2024: Segregation, clustering and precipitation processes. Acta Materialia, 2011, 59, 1659-1670.	3.8	191
128	Elemental redistribution in a nanocrystalline Ni-Fe alloy induced by high-pressure torsion. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 7500-7505.	2.6	8
129	Precipitation and solute clustering in aluminium: advanced characterisation techniques. , 2011, , 345-366.		4
130	Precipitation Process in Mg-Nd-Zn-Zr-Gd/Y Alloy. , 2011, , 255-259.		0
131	Solute clustering in Al-Cu-Mg alloys during the early stages of elevated temperature ageing. Acta Materialia, 2010, 58, 4923-4939.	3.8	189
132	Effect of Al and Gd Solutes on the Strain Rate Sensitivity of Magnesium Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2010, 41, 734-743.	1.1	91
133	Microstructural evolution of Fe-rich particles in an Al-Zn-Mg-Cu alloy during equal-channel angular pressing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 4742-4749.	2.6	38
134	Hardening and microstructural reactions in high-temperature equal-channel angular pressed Mg-Nd-Gd-Zn-Zr alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 5092-5099.	2.6	30
135	Evolution of solute clustering in Al-Cu-Mg alloys during secondary ageing. Acta Materialia, 2010, 58, 1795-1805.	3.8	102
136	An atom probe characterisation of grain boundaries in an aluminium alloy processed by equal-channel angular pressing. International Journal of Materials Research, 2009, 100, 1674-1678.	0.1	23
137	Determining the composition of small features in atom probe: bcc Cu-rich precipitates in an Fe-rich matrix. Ultramicroscopy, 2009, 109, 535-540.	0.8	66
138	Atom Probe Tomography of Solute Distributions in Mg-Based Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2009, 40, 2480-2487.	1.1	29
139	Effect of laser pulsing on the composition measurement of an Al-Mg-Si-Cu alloy using three-dimensional atom probe. Ultramicroscopy, 2009, 109, 580-584.	0.8	30
140	Influence of equal-channel angular pressing on precipitation in an Al-Zn-Mg-Cu alloy. Acta Materialia, 2009, 57, 3123-3132.	3.8	253
141	Field evaporation behavior during irradiation with picosecond laser pulses. Applied Physics Letters, 2008, 92, .	1.5	58
142	Partitioning and segregation of trace element Sn in a low-alloy steel. Philosophical Magazine Letters, 2007, 87, 327-339.	0.5	10
143	Overview: Recent Progress in Three-Dimensional Atom Probe Instruments and Applications. Microscopy and Microanalysis, 2007, 13, 408-417.	0.2	46
144	Atom probe tomography today. Materials Today, 2007, 10, 36-42.	8.3	216

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145	Thermal Ageing Effect of Pressure Vessel Steels. , 2006, , .		1
146	Comparison of the number densities of nanosized Cu-rich precipitates in ferritic alloys measured using EELS and EDX mapping, HREM and 3DAP. Journal of Materials Science, 2006, 41, 2559-2565.	1.7	18
147	Characterization of Fe-Rich Intermetallic Phases in a 6xxx Series Al Alloy. Materials Science Forum, 2006, 519-521, 1721-1726.	0.3	23
148	Characterization of Segregation and Precipitation at Grain Boundaries in Thermally Aged Pressure Vessel Steels. , 2006, , .		0
149	Trace Element Sn Segregation in Cu-rich Precipitates during Thermal Ageing of Pressure Vessel Steels. , 2006, , .		0
150	Kinetic Monte Carlo simulation of clustering in an Al-Zn-Mg-Cu alloy (7050). Acta Materialia, 2005, 53, 907-917.	3.8	86
151	Field ion microscopy and 3-D atom probe analysis of Al <sub>3</sub> Zr particles in 7050 Al alloy. Ultramicroscopy, 2005, 102, 151-159.	0.8	38
152	Characterization of precipitates in an aged 7xxx series Al alloy. Surface and Interface Analysis, 2004, 36, 564-568.	0.8	44
153	Early-stage precipitation in Al-Zn-Mg-Cu alloy (7050). Acta Materialia, 2004, 52, 4503-4516.	3.8	646
154	Quasi-peritectic solidification reactions in 6xxx series wrought Al alloys. Acta Materialia, 2003, 51, 1883-1897.	3.8	69
155	Growth related metastable phase selection in a 6xxx series wrought Al alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 304-306, 612-616.	2.6	64
156	The effect of layer number on the superplasticity of laminate 7475/2091Al alloy. , 2000, 35, 2711-2718.		3
157	Effect of Grain Refiner on Intermetallic Phase Formation in Directional Solidification of 6xxx Series Wrought Al Alloys. Materials Science Forum, 2000, 331-337, 253-258.	0.3	21
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