

Kai Li

List of Publications by Year in descending order

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38
papers

1,145
citations

489802

18
h-index

445137

33
g-index

39
all docs

39
docs citations

39
times ranked

1095
citing authors

#	ARTICLE	IF	CITATIONS
19	The Evolution of Second-Phase Particles in 6111 Aluminum Alloy Processed by Hot and Cold Rolling. <i>Journal of Materials Engineering and Performance</i> , 2018, 27, 1130-1137.	1.2	5
20	Phase-field simulation of the solidified microstructure in a new commercial 6A—A—A— aluminum alloy ingot supported by experimental measurements. <i>International Journal of Materials Research</i> , 2018, 109, 91-98.	0.1	7
21	Transformation of fracture mode of an Al-Mg-Si-Cu alloy subject to aging treatment. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 735, 201-207.	2.6	12
22	Effect of stamping deformation on microstructure and properties evolution of an Al—Mg—Si—Cu alloy for automotive panels. <i>Journal of Materials Science</i> , 2017, 52, 5569-5581.	1.7	8
23	Microstructure evolution of WC grains in WC—Co—Ni—Al alloys: Effect of binder phase composition. <i>Journal of Alloys and Compounds</i> , 2017, 710, 338-348.	2.8	36
24	Influence of deformation microstructure on the precipitation behaviors of an Al-4Mg-0.3Cu alloy. <i>Journal of Alloys and Compounds</i> , 2017, 695, 2238-2245.	2.8	16
25	Texture, Microstructure and Mechanical Properties of 6111 Aluminum Alloy Subject to Rolling Deformation. <i>Materials Research</i> , 2017, 20, 1360-1368.	0.6	35
26	Developing Cemented Carbides Through ICME. <i>Minerals, Metals and Materials Series</i> , 2017, , 155-167.	0.3	0
27	Microstructure and composition of segregation layers at WC/Co interfaces in ultrafine-grained cemented carbides co-doped with Cr and V. <i>International Journal of Refractory Metals and Hard Materials</i> , 2016, 58, 68-73.	1.7	25
28	Quantitative measurement for the microstructural parameters of nano-precipitates in Al-Mg-Si-Cu alloys. <i>Materials Characterization</i> , 2016, 118, 352-362.	1.9	41
29	Experimental investigation of phase equilibria in the Co—Hf system. <i>Journal of Alloys and Compounds</i> , 2015, 627, 251-260.	2.8	20
30	Effect of nanoprecipitates on the transformation behavior and functional properties of a Ti—50.8 at.% Ni alloy with micron-sized grains. <i>Acta Materialia</i> , 2015, 82, 224-233.	3.8	118
31	Atomistic structure of Cu-containing $\hat{\Gamma}^2$ precipitates in an Al—Mg—Si—Cu alloy. <i>Scripta Materialia</i> , 2014, 75, 86-89.	2.6	63
32	R-phase transition and related mechanical properties controlled by low-temperature aging treatment in a Ti—50.8at.% Ni thin wire. <i>Scripta Materialia</i> , 2014, 72-73, 21-24.	2.6	50
33	Microstructure and composition of the grain/binder interface in WC—Ni3Al composites. <i>International Journal of Refractory Metals and Hard Materials</i> , 2014, 44, 88-93.	1.7	18
34	Investigation of the as-solidified microstructure of an Al—Mg—Si—Cu alloy. <i>Journal of Alloys and Compounds</i> , 2014, 602, 312-321.	2.8	14
35	Effects of Cu content on the precipitation process of Al—Zn—Mg alloys. <i>Journal of Materials Science</i> , 2012, 47, 8174-8187.	1.7	34
36	Effects of Cu and Al on the crystal structure and composition of $\hat{\Gamma}$ (MgZn ₂) phase in over-aged Al—Zn—Mg—Cu alloys. <i>Journal of Materials Science</i> , 2012, 47, 5419-5427.	1.7	64

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37	A thermodynamic reassessment of the Si–Sr system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2011, 35, 594-600.	0.7	12
38	Simulation of the electron diffraction patterns from needle/rod-like precipitates in Al–Mg–Si alloys. Materials Characterization, 2011, 62, 894-903.	1.9	17