

Jin-feng Li

List of Publications by Year in descending order

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41
papers

1,266
citations

393982

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all docs

41
docs citations

41
times ranked

834
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical properties, corrosion behaviors and microstructures of 7075 aluminium alloy with various aging treatments. Transactions of Nonferrous Metals Society of China, 2008, 18, 755-762.	1.7	235
2	Corrosion mechanism associated with Mg ₂ Si and Si particles in Al-Mg-Si alloys. Transactions of Nonferrous Metals Society of China, 2011, 21, 2559-2567.	1.7	166
3	Dynamic restoration mechanism and physically based constitutive model of 2050 Al-Li alloy during hot compression. Journal of Alloys and Compounds, 2015, 650, 75-85.	2.8	76
4	Microstructure and mechanical properties of Mg, Ag and Zn multi-microalloyed Al-(3.2-3.8)Cu-(1.0-1.4)Li alloys. Transactions of Nonferrous Metals Society of China, 2015, 25, 2103-2112.	1.7	59
5	Correlation of intergranular corrosion behaviour with microstructure in Al-Cu-Li alloy. Corrosion Science, 2018, 139, 215-226.	3.0	54
6	Influence of Pre-deformation on Aging Precipitation Behavior of Three Al-Cu-Li Alloys. Acta Metallurgica Sinica (English Letters), 2017, 30, 133-145.	1.5	46
7	Simulation on function mechanism of T1(Al ₂ CuLi) precipitate in localized corrosion of Al-Cu-Li alloys. Transactions of Nonferrous Metals Society of China, 2006, 16, 1268-1273.	1.7	45
8	Characterization of Al ₃ Zr precipitation via double-step homogenization and recrystallization behavior after subsequent deformation in 2195 Al-Li alloy. Materials Characterization, 2021, 182, 111549.	1.9	39
9	Corrosion behavior of 2195 and 1420 Al-Li alloys in neutral 3.5% NaCl solution under tensile stress. Transactions of Nonferrous Metals Society of China, 2006, 16, 1171-1177.	1.7	36
10	Electrodeposition and characterization of nano-structured black nickel thin films. Transactions of Nonferrous Metals Society of China, 2013, 23, 2300-2306.	1.7	34
11	Flow curve correction and processing map of 2050 Al-Li alloy. Transactions of Nonferrous Metals Society of China, 2018, 28, 404-414.	1.7	32
12	T1 precipitate bands and particle stimulated nucleation in 2195 Al-Cu-Li alloy during hot deformation. Journal of Alloys and Compounds, 2022, 909, 164716.	2.8	31
13	Structures and tensile properties of Sc-containing 1445 Al-Li alloy sheet. Journal of Alloys and Compounds, 2018, 747, 471-483.	2.8	28
14	Distribution and evolution of aging precipitates in Al-Cu-Li alloy with high Li concentration. Transactions of Nonferrous Metals Society of China, 2019, 29, 15-24.	1.7	28
15	Analysing the degree of sensitisation in 5xxx series aluminium alloys using artificial neural networks: A tool for alloy design. Corrosion Science, 2019, 150, 268-278.	3.0	28
16	Strength and structure variation of 2195 Al-Li alloy caused by different deformation processes of hot extrusion and cold-rolling. Transactions of Nonferrous Metals Society of China, 2020, 30, 835-849.	1.7	26
17	Evolution of aging precipitates in an Al-Li alloy with 1.5wt% Li concentration. Vacuum, 2020, 182, 109677.	1.6	25
18	Hot deformation behavior and microstructure evolution of 1460 Al-Li alloy. Transactions of Nonferrous Metals Society of China, 2015, 25, 3855-3864.	1.7	24

#	ARTICLE	IF	CITATIONS
19	The effect of Ag element on the microstructure characteristic evolution of an Al-Cu-Li-Mg alloy. Journal of Materials Research and Technology, 2020, 9, 11121-11134.	2.6	24
20	Precipitate microstructures, mechanical properties and corrosion resistance of Al-1.0 wt%Cu-2.5 wt%Li alloys with different micro-alloyed elements addition. Materials Characterization, 2020, 167, 110528.	1.9	18
21	Mechanical Property and Intergranular Corrosion Sensitivity of Zn-Free and Zn-Microalloyed Al-2.7Cu-1.7Li-0.3Mg Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 5736-5748.	1.1	17
22	Microstructure evolution and mechanical properties of Al-Cu-Li alloys with different rolling schedules and subsequent artificial ageing heat treatment. Materials Characterization, 2020, 170, 110676.	1.9	17
23	Microstructures evolution and mechanical properties disparity in 2070 Al-Li alloy with minor Sc addition. Transactions of Nonferrous Metals Society of China, 2018, 28, 2151-2161.	1.7	16
24	The role of grain structure characteristics on the localised corrosion feature in the 1445 Al-Cu-Li alloy. Materials Characterization, 2019, 158, 109981.	1.9	16
25	Effects of microstructure on tensile properties of AA2050-T84 Al-Li alloy. Transactions of Nonferrous Metals Society of China, 2021, 31, 1189-1204.	1.7	14
26	Experimental quantification of "hardenability" of 2195 and 2050 Al-Li alloys by using cold-rolled sheets. Materials Characterization, 2018, 137, 180-188.	1.9	13
27	Grain structure and tensile property of Al-Li alloy sheet caused by different cold rolling reduction. Transactions of Nonferrous Metals Society of China, 2019, 29, 1569-1582.	1.7	13
28	Effects of Dynamic Precipitation and Processing Parameters on Dynamic Recrystallization Behavior of 2195 Al-Cu-Li Alloy during Hot Compression. Journal of Materials Engineering and Performance, 2022, 31, 2743-2760.	1.2	13
29	Variation of Aging Precipitates and Mechanical Strength of Al-Cu-Li Alloys Caused by Small Addition of Rare Earth Elements. Journal of Materials Engineering and Performance, 2017, 26, 4329-4339.	1.2	11
30	Effect of grain structure and precipitate on tensile properties and low-cycle fatigue behaviors of 2A55 Al-Cu-Li alloy. International Journal of Fatigue, 2022, 159, 106834.	2.8	11
31	Quench sensitivity and microstructure evolution of the 2060 Al-Cu-Li alloy with a low Mg content. Materials Characterization, 2021, 177, 111156.	1.9	10
32	Detailed investigation of quench sensitivity of 2050 Al-Cu-Li alloy by interrupted quenching method and novel end quenching method. Journal of Alloys and Compounds, 2021, 888, 161450.	2.8	10
33	Sluggish precipitation strengthening in Al-Li alloy with a high concentration of Mg. Journal of Materials Research and Technology, 2021, 11, 1806-1815.	2.6	9
34	Impact of Annealing Prior to Solution Treatment on Aging Precipitates and Intergranular Corrosion Behavior of Al-Cu-Li Alloy 2050. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 2471-2486.	1.1	8
35	The influence of Zn addition on microstructure of an Al-1.7 Cu-4.0 Li-0.4 Mg alloy. Journal of Materials Research and Technology, 2020, 9, 2423-2439.	2.6	8
36	Quantification of the Effect of Increased Pre-Deformation on Microstructure and Mechanical Properties of 2A55 Al-Li Alloy. Advanced Engineering Materials, 2022, 24, .	1.6	7

#	ARTICLE	IF	CITATIONS
37	Microstructural evolution and mechanical properties of a new Al-Cu-Li-X alloy at different solution temperatures. <i>Rare Metals</i> , 2021, 40, 635-642.	3.6	6
38	Microstructure Evolution and Mechanical Properties of the 2195 Al-Li Alloy via Different Annealing and Ramp Heating-Up Treatments. <i>Metals</i> , 2020, 10, 910.	1.0	5
39	Cu/Li Ratio on the Microstructure Evolution and Corrosion Behaviors of Al _x Cu _y Li _z Mg Alloys. <i>Acta Metallurgica Sinica (English Letters)</i> , 2020, 33, 1201-1216.	1.5	5
40	Effect of different aging processes on the corrosion behavior of new Al-Cu-Li-Zr-Sc alloys. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2019, 70, 2266-2277.	0.8	3
41	Sandwich Structure in Al-Cu(-Au) Alloys Characterization by Atomic-Resolution HAADF-STEM and EDXS-STEM. <i>Microscopy and Microanalysis</i> , 2019, 25, 1700-1701.	0.2	0