Zhou Li

List of Publications by Year in Descending Order

108 papers	1,722 citations	25 h-index	36 g-index
110 ext. papers	2,459 ext. citations	4.6 avg, IF	5.14 L-index

#	Paper	IF	Citations
108	Single-Atom and Bimetallic Nanoalloy Supported on Nanotubes as a Bifunctional Electrocatalyst for Ultrahigh-Current-Density Overall Water Splitting. *ACS Catalysis*, **2022**, 12, 1167-1179	13.1	4
107	Effect of equal channel angular pressing on microstructure evolution and properties variations of a CuCrZrY alloy. *Journal of Alloys and Compounds*, **2022**, 894, 162284	5.7	0
106	Microstructure, properties and strengthening mechanism of Cu-TiB2-Al2O3 composite prepared by liquid phase in-situ reaction casting. *Journal of Alloys and Compounds*, **2022**, 912, 165170	5.7	0
105	Effects of Fe content on microstructure and properties of Cu□Fe alloy. *Transactions of Nonferrous Metals Society of China*, **2021**, 31, 3039-3049	3.3	1
104	Effects of trace calcium and strontium on microstructure and properties of Cu-Cr alloys. *Journal of Materials Science and Technology*, **2021**,	9.1	1
103	A multiphase strengthened Cu-Nb-Si alloy with high strength and high conductivity. *Materials Characterization*, **2021**, 182, 111565	3.9	1
102	Microstructure Evolution and Hot Deformation Behavior of a CuNiSn Alloy. *Processes*, **2021**, 9, 451	2.9	1
101	Corrosion behavior of Cu□Al□Mn□Zn□Zr shape memory alloy in NaCl solution. *Transactions of Nonferrous Metals Society of China*, **2021**, 31, 1012-1022	3.3	5
100	Effect of nano-scale Cu particles on the electrical property of CNT/polymer nanocomposites. *Composites Part A: Applied Science and Manufacturing*, **2021**, 143, 106325	8.4	6
99	Dynamic Recrystallization of Cu-Cr-Ni-Si-Co Alloy During Hot Deformation. *Jom*, **2021**, 73, 2274-2284	2.1	1
98	Microstructure evolution and deformation behaviour of Cu-10□wt%Fe alloy during cold rolling. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2021**, 801, 140379	5.3	9
97	Microstructure and properties of a novel ultra-high strength, high elasticity and high plasticity Cu□0Ni□0Mn-0.3Nb-0.3Cr-0.1Zr alloy. *Journal of Alloys and Compounds*, **2021**, 853, 157402	5.7	3
96	The evolution of microstructure and properties of a Cu□Ti□Cr□Mg□Si alloy with high strength during the multi-stage thermomechanical treatment. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2021**, 803, 140510	5.3	5
95	Microstructures, mechanical properties, and grease-lubricated sliding wear behavior of Cu-15Ni-8Sn-0.8Nb alloy with high strength and toughness. *Friction*, **2021**, 9, 1061-1076	5.6	5
94	Effect of Al on Corrosion Behavior of Imitation-Gold Cu-Zn-Ni-Sn Alloys in 3.5 wt.% NaCl solution. *Jom*, **2021**, 73, 589-599	2.1	1
93	Microstructure and properties of high-strength Cu□Ni□Si□(□Ti) alloys. *Rare Metals*, **2021**, 40, 3251	5.5	2
92	Effects of microelements on the microstructure evolution and properties of ultrahigh strength Cu□□i alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2021**, 823, 141581	5.3	4

91	Microstructure and properties of high strength, high conductivity and magnetic Cu□10Fe-0.4Si alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2021**, 826, 142012	5.3	4
90	Microstructure and properties of Cu-Ag alloy prepared by continuously directional solidification. *Journal of Alloys and Compounds*, **2021**, 883, 160769	5.7	3
89	Effect of creep annealing on the dimensional stability of dispersion strengthened copper alloy. *Journal of Alloys and Compounds*, **2021**, 887, 161321	5.7	2
88	Mechanical property and corrosion behavior of aged Cu-20Ni-20Mn alloy with ultra-high strength. *Journal of Central South University*, **2020**, 27, 1158-1167	2.1	2
87	Effects of minor rare earths on the microstructure and properties of Cu-Cr-Zr alloy. *Journal of Alloys and Compounds*, **2020**, 847, 155762	5.7	22
86	Grain refinement and mechanical properties improvements in a high strength CuNiSi alloy during multidirectional forging. *Fusion Engineering and Design*, **2020**, 159, 111766	1.7	6
85	Microstructure, and Physical and Mechanical Properties of Copper–Graphite Composites Obtained by In Situ Reaction Method. *Journal of Materials Engineering and Performance*, **2020**, 29, 1696-1705	1.6	2
84	Effect of Equal Channel Angular Pressing on Microstructure and Mechanical Properties of a Cu-Mg Alloy. *Crystals*, **2020**, 10, 426	2.3	5
83	High-strength, ductility and corrosion-resistant in a novel Cu20Ni20Mn0.3Cr0.3Al alloy. *Materials Chemistry and Physics*, **2020**, 252, 123177	4.4	3
82	Effects of Al addition on corrosion behavior and mechanical property of high-strength and high-elasticity Cu-20Ni-20Mn-0.3Nb-0.3Cr-0.3Zr alloy. *Materials Characterization*, **2020**, 167, 110476	3.9	3
81	Microstructure and mechanical properties of a CuNiTi alloy with a large product of strength and elongation. *Journal of Materials Research and Technology*, **2020**, 9, 2299-2307	5.5	6
80	Tribological Behaviors of an Ultrahigh Strength Cu□15Ni□8Sn□0.2Y Alloy Sliding Against TC6 Titanium Alloy in Deionized Water and Seawater. *Tribology Letters*, **2020**, 68, 1	2.8	5
79	Tuning the interfacial spin-orbit coupling with ferroelectricity. *Nature Communications*, **2020**, 11, 2627	17.4	8
78	Effect of Magnesium on Microstructure Refinements and Properties Enhancements in High-Strength CuNiSi Alloys. *Acta Metallurgica Sinica (English Letters)*, **2020**, 33, 375-384	2.5	6
77	Investigation of electrical conductivity and electromagnetic interference shielding performance of Au@CNT/sodium alginate/polydimethylsiloxane flexible composite. *Composites Part A: Applied Science and Manufacturing*, **2020**, 130, 105762	8.4	23
76	Microstructure and properties of Cu-10 wt%Fe alloy produced by double melt mixed casting and multi-stage thermomechanical treatment. *Journal of Alloys and Compounds*, **2020**, 820, 153323	5.7	21
75	Ultrafast fabrication of Cu oxide micro/nano-structures via laser ablation to promote oxygen evolution reaction. *Chemical Engineering Journal*, **2020**, 383, 123086	14.7	26
74	Corrosion and corrosive-wear behaviors of a high strength and toughness Cu□15Ni□8Sn alloy in seawater. *Materials and Corrosion - Werkstoffe Und Korrosion*, **2020**, 71, 593-607	1.6	4

73	Development of homogeneity in a Cu-Mg-Ca alloy processed by equal channel angular pressing. *Journal of Alloys and Compounds*, **2020**, 820, 153112	5.7	10
72	Microstructure and properties of a novel Cu-Cr-Yb alloy with high strength, high electrical conductivity and good softening resistance. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2020**, 795, 140001	5.3	9
71	Microstructure and mechanical properties of a Cu-Fe-Nb alloy with a high product of the strength times the elongation. *Materials Today Communications*, **2020**, 25, 101353	2.5	8
70	Microstructure evolution and hot deformation behavior of Cu□Ti□.1Zr alloy with ultra-high strength. *Transactions of Nonferrous Metals Society of China*, **2020**, 30, 2737-2748	3.3	2
69	Hierarchical CoFe oxyhydroxides nanosheets and Co2P nanoparticles grown on Ni foam for overall water splitting. *Electrochimica Acta*, **2020**, 360, 136994	6.7	7
68	Wear map for sliding wear behavior of Cu-15Ni-8Sn alloy against bearing steel under oil-lubricated condition. *Journal of Central South University*, **2020**, 27, 311-324	2.1	5
67	Wear Regime and Wear Mechanism Map for Spark-Plasma-Sintered Cu-15Ni-8Sn-0.2Nb Alloy under Oil Lubrication. *Journal of Materials Engineering and Performance*, **2019**, 28, 4187-4196	1.6	5
66	Microstructural evolution, phase transition, and physics properties of a high strength Cu□Ni□Si□Al alloy. *Materials Characterization*, **2019**, 147, 315-323	3.9	29
65	Microstructure and properties of Cu□Mg-Ca alloy processed by equal channel angular pressing. *Journal of Alloys and Compounds*, **2019**, 788, 50-60	5.7	14
64	Quench Sensitivity of AA7N01 Alloy Used for High-Speed Train Body Structure. *Jom*, **2019**, 71, 1681-1686	2.1	7
63	Microstructure and properties of a Cu□Ni□Si□Co□Cr alloy with high strength and high conductivity. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2019**, 759, 396-403	5.3	42
62	Microstructure and properties of Cu-Cr-Nb alloy with high strength, high electrical conductivity and good softening resistance performance at elevated temperature. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2019**, 749, 281-290	5.3	53
61	Cu/SiCP Composites Prepared by In-Situ Carbonization Synthesis. *Jom*, **2019**, 71, 2513-2521	2.1	1
60	Effect of heat treatment on microstructure and mechanical properties of a selective laser melted Cu□5Ni□Sn alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2019**, 763, 138132	5.3	18
59	A percolation network model to predict the electrical property of flexible CNT/PDMS composite films fabricated by spin coating technique. *Composites Part B: Engineering*, **2019**, 174, 107034	10	18
58	Microstructure and Properties of a Cu-Ni-Sn Alloy Treated by Two-Stage Thermomechanical Processing. *Jom*, **2019**, 71, 2734-2741	2.1	9
57	Hybrids of PtRu Nanoclusters and Black Phosphorus Nanosheets for Highly Efficient Alkaline Hydrogen Evolution Reaction. *ACS Catalysis*, **2019**, 9, 10870-10875	13.1	45
56	Co(OH) Nanosheets Supported on Laser Ablated Cu Foam: An Efficient Oxygen Evolution Reaction Electrocatalyst. *Frontiers in Chemistry*, **2019**, 7, 900	5	8

55	Microstructure and Properties of a Novel CuNiCoSiMg Alloy with Super-high Strength and Conductivity. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2019**, 744, 754-763	5.3	52
54	Precipitation behavior of Cu-3.0Ni-0.72Si alloy. *Acta Materialia*, **2019**, 166, 261-270	8.4	40
53	Effects of thermal treatments on the residual stress and micro-yield strength of Al2O3 dispersion strengthened copper alloy. *Journal of Alloys and Compounds*, **2019**, 781, 490-495	5.7	10
52	Effect of magnesium on microstructure and properties of Cu-Cr alloy. *Journal of Alloys and Compounds*, **2018**, 752, 191-197	5.7	46
51	High temperature response capability in carbon nanotube/polymer nanocomposites. *Composites Science and Technology*, **2018**, 167, 563-570	8.6	13
50	Improving the strength and retaining the ductility of microstructural graded coarse-grained materials with low stacking fault energy. *Materials and Design*, **2018**, 160, 21-33	8.1	13
49	Temperature-independent piezoresistive sensors based on carbon nanotube/polymer nanocomposite. *Carbon*, **2018**, 137, 188-195	10.4	31
48	Microstructure evolution and properties of Cu-Cr alloy during continuous extrusion process. *Journal of Alloys and Compounds*, **2017**, 703, 454-460	5.7	34
47	The microstructure evolution and properties of a CuCrAg alloy during thermal-mechanical treatment. *Journal of Materials Research*, **2017**, 32, 1324-1332	2.5	54
46	Phase transformation behaviors and properties of a high strength Cu-Ni-Si alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2017**, 697, 37-47	5.3	92
45	Effect of temperature on the electrical property of epoxy composites with carbon nanotube. *Composites Science and Technology*, **2017**, 149, 48-54	8.6	23
44	Effect of thermo-mechanical treatments on corrosion behavior of Cu-15Ni-8Sn alloy in 3.5 wt% NaCl solution. *Materials Chemistry and Physics*, **2017**, 199, 54-66	4.4	37
43	Influence of Zinc on Coarsening of Ni2Si Particles, Aging Behavior and Hardness in a Cu-Ni-Si Alloy. *Journal of Materials Engineering and Performance*, **2017**, 26, 2459-2464	1.6	1
42	Effects of aging mechanisms on the exfoliation corrosion behavior of a spray deposited Al-Zn-Mg-Cu-Zr aluminum alloy. *Journal of Materials Research*, **2017**, 32, 1105-1117	2.5	15
41	Age-hardening behavior and microstructure of Cu-15Ni-8Sn-0.3Nb alloy prepared by powder metallurgy and hot extrusion. *Transactions of Nonferrous Metals Society of China*, **2017**, 27, 1947-1955	3.3	30
40	Evolution of microstructure and mechanical properties in Zn-Cu-Ti alloy during severe hot rolling at 300 °C. *Journal of Materials Research*, **2017**, 32, 3146-3155	2.5	3
39	Investigations on Voids Formation in Cu-Mg Alloy During Continuous Extrusion. *Jom*, **2017**, 69, 1696-1700	2.1	5
38	Characterization of Dispersion Strengthened Copper Alloy Prepared by Internal Oxidation Combined with Mechanical Alloying. *Journal of Materials Engineering and Performance*, **2017**, 26, 5641-5647	1.6	9

37	Effect of applied load on transition behavior of wear mechanism in Cu15Ni8Sn alloy under oil lubrication. *Journal of Central South University*, **2017**, 24, 1754-1761	2.1	10
36	Microstructure and properties of a novel Cu-Mg-Ca alloy with high strength and high electrical conductivity. *Journal of Alloys and Compounds*, **2017**, 723, 1162-1170	5.7	31
35	Corrosion behavior of novel CuNi2AlSi alloy with super-high strength in 3.5% NaCl solution. *Transactions of Nonferrous Metals Society of China*, **2017**, 27, 1096-1104	3.3	6
34	Microstructure and mechanical properties of a high strength Cu-Ni-Si alloy treated by combined aging processes. *Journal of Alloys and Compounds*, **2017**, 695, 2413-2423	5.7	59
33	Thermal stability of marks gold nanoparticles: A molecular dynamics simulation. *International Journal of Modern Physics B*, **2017**, 31, 1741001	1.1	
32	Arc Erosion Behavior of Cu0.23Be0.84Co Alloy after Heat Treatment: An Experimental Study. *Acta Metallurgica Sinica (English Letters)*, **2016**, 29, 399-408	2.5	6
31	Microstructure and mechanical properties of high product of strength and elongation Al-Zn-Mg-Cu-Zr alloys fabricated by spray deposition. *Materials and Design*, **2016**, 96, 217-223	8.1	63
30	Phase transformation behavior of Cu10Ni3Al0.8Si alloy. *Materials Chemistry and Physics*, **2016**, 173, 421-428	4.4	9
29	Effect of Aging Time on the Corrosion Behavior of a Cu-Ni-Si Alloy in 3.5 wt% NaCl Solution. *Corrosion*, **2016**, 72, 615-627	1.8	8
28	Microstructure and texture evolution of novel Cu10Ni3Al0.8Si alloy during hot deformation. *Journal of Materials Research*, **2016**, 31, 1113-1123	2.5	12
27	A Novel Cu-10Zn-1.5Ni-0.34Si Alloy with Excellent Mechanical Property Through Precipitation Hardening. *Journal of Materials Engineering and Performance*, **2016**, 25, 4624-4630	1.6	5
26	Mechanical Properties and Fracture Behavior of Cu-Co-Be Alloy after Plastic Deformation and Heat Treatment. *Journal of Iron and Steel Research International*, **2016**, 23, 933-939	1.2	2
25	Effects of pre-aging treatment on subsequent artificial aging characteristics of Al-3.95Cu-(1.32Mg)-0.52Mn-0.11Zr alloys. *Journal of Central South University*, **2015**, 22, 1-7	2.1	5
24	Microstructure and properties of Cu2.3Fe0.03P alloy during thermomechanical treatments. *Transactions of Nonferrous Metals Society of China*, **2015**, 25, 1551-1558	3.3	15
23	Diffraction analysis of Fe precipitates in a polycrystalline CuFe alloy. *Materials Characterization*, **2015**, 105, 129-135	3.9	15
22	Microstructure, mechanical properties and electrical conductivity of Cu0.3Mg0.05Ce alloy processed by equal channel angular pressing and subsequent annealing. *Journal of Alloys and Compounds*, **2015**, 640, 347-354	5.7	33
21	A free-cutting and ductile CuAlMnZnTiB shape memory alloy. *Journal of Central South University*, **2015**, 22, 416-421	2.1	
20	Microstructure evolution and quench sensitivity of Cu10Ni3Al0.8Si alloy during isothermal treatment. *Journal of Materials Research*, **2015**, 30, 736-744	2.5	15

19	Microstructure evolution of Cu□.2Mg alloy during continuous extrusion process. *Journal of Materials Research*, **2015**, 30, 2783-2791	2.5	10
18	Dry wear behavior of ultra-high strength Cu□10Ni□Al□.8Si alloy. *Tribology International*, **2015**, 92, 544-552	4.9	11
17	Microstructure evolution of alumina dispersion strengthened copper alloy deformed under different conditions. *Transactions of Nonferrous Metals Society of China*, **2015**, 25, 3953-3958	3.3	1
16	High temperature mechanical behavior of alumina dispersion strengthened copper alloy with high content of alumina. *Transactions of Nonferrous Metals Society of China*, **2015**, 25, 444-450	3.3	15
15	Effects of Zr and (Ni, Si) additions on properties and microstructure of Cu□r alloy. *Journal of Alloys and Compounds*, **2014**, 582, 786-792	5.7	80
14	Structure and properties of ductile CuAlMn shape memory alloy synthesized by mechanical alloying and powder metallurgy. *Materials & Design*, **2014**, 58, 451-456		18
13	Processing map and hot deformation mechanism of novel nickel-free white copper alloy. *Transactions of Nonferrous Metals Society of China*, **2014**, 24, 3492-3499	3.3	14
12	The Corrosion Behavior of Cu-Ni-Si Alloy in Sea Water with Deep-Sea Bacteria. *Advanced Materials Research*, **2014**, 936, 1102-1105	0.5	3
11	Effects of silicon and thermo-mechanical process on microstructure and properties of Cu□10Ni□Al□.8Si alloy. *Materials & Design*, **2014**, 62, 265-270		25
10	Surface characterization and corrosion behavior of a novel gold-imitation copper alloy with high tarnish resistance in salt spray environment. *Corrosion Science*, **2013**, 76, 42-51	6.8	32
9	Orientation and diffraction patterns of □Ni2Si precipitates in Cu□Ni□Si alloy. *Journal of Alloys and Compounds*, **2013**, 557, 147-151	5.7	47
8	Hot deformation behavior of novel imitation-gold copper alloy. *Transactions of Nonferrous Metals Society of China*, **2013**, 23, 1349-1355	3.3	18
7	Nanoindentation creep of ultrafine-grained Al2O3 particle reinforced copper composites. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2013**, 560, 80-85	5.3	11
6	Hot deformation behavior and cold workability of Cu□2Mn□3Zn□Sn□Al□.1Si□.1Ce alloy with white chromaticity. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2012**, 553, 67-73	5.3	5
5	High-temperature deformation behavior of Cu□.0Ni□.0Si□.5Al□.15 Mg□.1Cr alloy. *Journal of Materials Science*, **2012**, 47, 6034-6042	4.3	16
4	The transformation behavior of Cu□.0Ni□.8Si□.6Sn□.15Mg alloy during isothermal heat treatment. *Materials Characterization*, **2011**, 62, 904-911	3.9	41
3	Dynamics of phase transformation of Cu-Ni-Si alloy with super-high strength and high conductivity during aging. *Transactions of Nonferrous Metals Society of China*, **2010**, 20, 1006-1011	3.3	39
2	Effect of processing of mechanical alloying and powder metallurgy on microstructure and properties of Cu□Al□Ni□Mn alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2008**, 488, 266-272	5.3	38

1 Atom exchange of martensite in Cu-13Zn-15Al alloy during non-isothermal aging. *Transactions of Nonferrous Metals Society of China*, **2006**, 16, 1064-1068 3.3 4