

Huang Shiquan

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Investigation of Quench Sensitivity and Microstructure Evolution During Isothermal Treatment in 2195 Al–Li Alloy. <i>Metals and Materials International</i> , 2022, 28, 1423-1432.	3.4	5
2	Influence of Forging Temperature on the Microstructures and Mechanical Properties of a Multi-Directionally Forged Al–Cu–Li Alloy. <i>Metals and Materials International</i> , 2022, 28, 433-447.	3.4	5
3	Effect of increased stretching deformation at cryogenic temperature on the precipitation behavior and mechanical properties of 2060 Al–Li alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 834, 142585.	5.6	21
4	Hot Deformation Characteristics and Processing Map Analysis of Pre-Forged AZ80 Magnesium Alloy. <i>Metals and Materials International</i> , 2021, 27, 1252-1262.	3.4	6
5	Effects of Cryogenic Deformation on Second-Phase Al ₂ Cu Particles and Mechanical Properties of 2219 Al–Cu Alloy Rings. <i>Metals and Materials International</i> , 2021, 27, 815-824.	3.4	14
6	Experimental and Theoretical Investigation on the Forming Limit of 2024-O Aluminum Alloy Sheet at Cryogenic Temperatures. <i>Metals and Materials International</i> , 2021, 27, 5199-5211.	3.4	20
7	Dynamic recrystallization mechanisms of 2195 aluminum alloy during medium/high temperature compression deformation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 804, 140650.	5.6	95
8	Flow behaviors and deformation mechanism of WQ-tempered Al–Li alloy at cryogenic temperatures. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 809, 140971.	5.6	25
9	Reduction of Residual Quenching Stresses in 2A14 Aluminum Alloy Tapered Cylinder Forgings via a Novel Cold Bulging Process. <i>Metals</i> , 2021, 11, 717.	2.3	4
10	Effects of deformation temperature on second-phase particles and mechanical properties of multidirectionally-forged 2A14 aluminum alloy. <i>Journal of Alloys and Compounds</i> , 2021, 871, 159459.	5.5	18
11	Kinetic model for describing continuous and discontinuous dynamic recrystallization behaviors of 2195 aluminum alloy during hot deformation. <i>Materials Characterization</i> , 2021, 181, 111492.	4.4	58
12	Effects of different multidirectional forging processes on the microstructure and three-dimensional mechanical properties of ultra-high strength aluminum alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 826, 141932.	5.6	10
13	Effects of Warm Rolling Deformation on the Microstructure and Ductility of Large 2219 Al–Cu Alloy Rings. <i>Metals and Materials International</i> , 2020, 26, 56-68.	3.4	19
14	Effects of thermomechanical treatment on grain refinement, second-phase particle dissolution, and mechanical properties of 2219 Al alloy. <i>Journal of Materials Processing Technology</i> , 2020, 278, 116506.	6.3	31
15	Grain Refinement and Thermal Stability of 2219 Aluminum Alloy in the Warm Deformation Process. <i>Metals and Materials International</i> , 2020, , 1.	3.4	6
16	Manufacturing large 2A14 aluminium alloy cylinders by a warm rolling technology. <i>Materials Science and Technology</i> , 2020, 36, 1534-1546.	1.6	3
17	Influence of cryogenic deformation on second-phase particles, grain structure, and mechanical properties of Al–Cu–Mn alloy. <i>Journal of Alloys and Compounds</i> , 2020, 827, 154300.	5.5	50
18	Manufacturing large 2219 Al–Cu alloy rings by a cold rolling process. <i>Materials and Manufacturing Processes</i> , 2020, 35, 291-302.	4.7	15

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19	Measuring internal residual stress in Al-Cu alloy forgings by crack compliance method with optimized parameters. <i>Journal of Central South University</i> , 2020, 27, 3163-3174.	3.0	1
20	Hot deformation characteristics and processing parameter optimization of 2219 Al alloy using constitutive equation and processing map. <i>Vacuum</i> , 2019, 160, 293-302.	3.5	62
21	Bulging limit of AZ31B magnesium alloy tubes in hydroforming with internal and external pressure. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 101, 2509-2517.	3.0	4
22	An improved process for grain refinement of large 2219 Al alloy rings and its influence on mechanical properties. <i>Journal of Materials Science and Technology</i> , 2019, 35, 55-63.	10.7	63
23	Effects of cold predeformation on dissolution of second-phase Al ₂ Cu particles during solution treatment of 2219 Al-Cu alloy forgings. <i>Materials Characterization</i> , 2018, 135, 18-24.	4.4	57
24	Simulation and experimental research on isothermal forging with semi-closed die and multi-stage-change speed of large AZ80 magnesium alloy support beam. <i>Journal of Materials Processing Technology</i> , 2017, 246, 198-204.	6.3	41
25	Microstructure Evolution and Mechanical Properties of 2219 Al Alloy During Aging Treatment. <i>Journal of Materials Engineering and Performance</i> , 2017, 26, 1475-1482.	2.5	23
26	Investigation of quench sensitivity of high strength 2219 aluminum alloy by TTP and TTT diagrams. <i>Journal of Alloys and Compounds</i> , 2017, 690, 446-452.	5.5	46
27	Influence of Temperature-Dependent Properties of Aluminum Alloy on Evolution of Plastic Strain and Residual Stress during Quenching Process. <i>Metals</i> , 2017, 7, 228.	2.3	19
28	Influence of quenching cooling rate on residual stress and tensile properties of 2A14 aluminum alloy forgings. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 674, 658-665.	5.6	45
29	Influence of pre-deformation and subsequent ageing on the hardening behavior and microstructure of 2219 aluminum alloy forgings. <i>Journal of Alloys and Compounds</i> , 2016, 685, 941-948.	5.5	60
30	Experimental Study and Microstructure Analysis of Aviation Component by Isothermal Forging Process. <i>Materials and Manufacturing Processes</i> , 2015, 30, 79-84.	4.7	3
31	Simulation of dynamic recrystallization in 23Co13Ni11Cr3Mo steel using a modified cellular automaton. <i>Journal of Central South University</i> , 2014, 21, 454-459.	3.0	1
32	Analysis of isothermal forging process and mechanical properties of complex aluminum forging for aviation. <i>Journal of Central South University</i> , 2014, 21, 2612-2616.	3.0	9
33	A novel method of multi-scale simulation of macro-scale deformation and microstructure evolution on metal forming. , 2011, , .		0