

# Yu-Qiang Jiang

## List of Publications by Year in descending order

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42  
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236925

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Physical property and failure mechanism of self-piercing riveting joints between foam metal sandwich composite aluminum plate and aluminum alloy. <i>Journal of Materials Research and Technology</i> , 2022, 17, 139-149.	5.8	22
2	Effect of low-velocity impact on mechanical property and fatigue life of DP590/AA6061 self-piercing riveted joints. <i>Materials Research Express</i> , 2022, 9, 026514.	1.6	6
3	Effect of shot peening on static and fatigue properties of self-piercing riveting joints. <i>Journal of Materials Research and Technology</i> , 2022, 18, 1070-1080.	5.8	23
4	Joining Properties of SPFC440/AA5052 Multi-Material Self-Piercing Riveting Joints. <i>Materials</i> , 2022, 15, 2962.	2.9	7
5	Dislocation Density-Based Model and Stacked Auto-Encoder Model for Ti-55511 Alloy with Basket-Weave Microstructures Deformed in $\hat{\epsilon}^2$ Region. <i>Advanced Engineering Materials</i> , 2021, 23, 2001307.	3.5	13
6	Effect of initial mixed grain microstructure state of deformed Ni-based superalloy on its refinement behavior during two-stage annealing treatment. <i>Materials Characterization</i> , 2021, 176, 111130.	4.4	12
7	Microstructure evolution and a unified constitutive model for a Ti-55511 alloy deformed in $\hat{\epsilon}^2$ region. <i>Journal of Alloys and Compounds</i> , 2021, 870, 159534.	5.5	54
8	Microstructural Variation and a Physical Mechanism Model for a Ti-55511 Alloy during Double-Stage Hot Deformation with Stepped Strain Rates in the $\hat{\epsilon}^2$ Region. <i>Materials</i> , 2021, 14, 6371.	2.9	5
9	Constitutive Model and Processing Maps for a Ti-55511 Alloy in $\hat{\epsilon}^2$ Region. <i>Advanced Engineering Materials</i> , 2020, 22, 1900930.	3.5	20
10	Precipitation behaviors and orientation evolution mechanisms of $\hat{\epsilon}$ phases in Ti-55511 titanium alloy during heat treatment and subsequent hot deformation. <i>Materials Characterization</i> , 2020, 167, 110471.	4.4	42
11	Effects of aging on precipitation behavior and mechanical properties of a tensile deformed Al-Cu alloy. <i>Journal of Alloys and Compounds</i> , 2020, 843, 155975.	5.5	20
12	A New Method to Increase the Spheroidization Rate of Lamellar $\hat{\epsilon}$ Microstructure during Hot Deformation of a Ti-6Al-4V Alloy. <i>Advanced Engineering Materials</i> , 2020, 22, 2000447.	3.5	9
13	A dislocation density-based model and processing maps of Ti-55511 alloy with bimodal microstructures during hot compression in $\hat{\epsilon}^2$ region. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 790, 139692.	5.6	59
14	Hot tensile properties, microstructure evolution and fracture mechanisms of Ti-6Al-4V alloy with initial coarse equiaxed phases. <i>Materials Characterization</i> , 2020, 163, 110272.	4.4	50
15	Precipitation of Secondary Phase and Phase Transformation Behavior of a Solution-Treated Ti-6Al-4V Alloy during High-Temperature Aging. <i>Advanced Engineering Materials</i> , 2020, 22, 1901436.	3.5	21
16	Spheroidization and dynamic recrystallization mechanisms of Ti-55511 alloy with bimodal microstructures during hot compression in $\hat{\epsilon}^2$ region. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 782, 139282.	5.6	53
17	Hot compressive deformation behavior and microstructure evolution of a Ti-55511 alloy with basket-weave microstructures. <i>Vacuum</i> , 2019, 169, 108878.	3.5	50
18	Precipitation behavior of a $\hat{\epsilon}^2$ -quenched Ti-5Al-5Mo-5V-1Cr-1Fe alloy during high-temperature compression. <i>Materials Characterization</i> , 2019, 151, 358-367.	4.4	34

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19	Effects of creep-aging parameters on aging precipitates of a two-stage creep-aged Al–Zn–Mg–Cu alloy under the extra compressive stress. <i>Journal of Alloys and Compounds</i> , 2018, 743, 448-455.	5.5	28
20	Influence of Stress–Aging Processing on Precipitates and Mechanical Properties of a 7075 Aluminum Alloy. <i>Advanced Engineering Materials</i> , 2018, 20, 1700583.	3.5	15
21	Modeling the two-stage creep-aging behaviors of an Al–Cu–Mg alloy. <i>Materials Research Express</i> , 2018, 5, 096514.	1.6	7
22	Isothermal tensile deformation behaviors and fracture mechanism of Ti-5Al-5Mo-5V-1Cr-1Fe alloy in $\beta^2$ phase field. <i>Vacuum</i> , 2018, 156, 187-197.	3.5	56
23	Corrosion resistance of a two-stage stress-aged Al–Cu–Mg alloy: Effects of external stress. <i>Journal of Alloys and Compounds</i> , 2016, 661, 221-230.	5.5	31
24	Corrosion resistance of a two-stage stress-aged Al–Cu–Mg alloy: Effects of stress-aging temperature. <i>Journal of Alloys and Compounds</i> , 2016, 657, 855-865.	5.5	36
25	A New Creep Constitutive Model for 7075 Aluminum Alloy Under Elevated Temperatures. <i>Journal of Materials Engineering and Performance</i> , 2014, 23, 4350-4357.	2.5	24
26	Hot tensile deformation behaviors and fracture characteristics of a typical Ni-based superalloy. <i>Materials &amp; Design</i> , 2014, 55, 949-957.	5.1	154
27	Effects of two-stage creep-aging on precipitates of an Al–Cu–Mg alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 614, 45-53.	5.6	45
28	Hot tensile deformation behaviors and constitutive model of an Al–Zn–Mg–Cu alloy. <i>Materials &amp; Design</i> , 2014, 59, 141-150.	5.1	133
29	Effects of creep-aging processing on the corrosion resistance and mechanical properties of an Al–Cu–Mg alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 605, 192-202.	5.6	45
30	Effect of creep-aging processing on corrosion resistance of an Al–Zn–Mg–Cu alloy. <i>Materials &amp; Design</i> , 2014, 61, 228-238.	5.1	48
31	Effect of creep-aging on precipitates of 7075 aluminum alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 588, 347-356.	5.6	83
32	Hot deformation and processing map of a typical Al–Zn–Mg–Cu alloy. <i>Journal of Alloys and Compounds</i> , 2013, 550, 438-445.	5.5	230
33	Precipitation hardening of 2024-T3 aluminum alloy during creep aging. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 565, 420-429.	5.6	128
34	Modeling the high-temperature creep behaviors of 7075 and 2124 aluminum alloys by continuum damage mechanics model. <i>Computational Materials Science</i> , 2013, 73, 72-78.	3.0	65
35	Creep and Creep-rupture Behavior of 2124-T851 Aluminum Alloy. <i>High Temperature Materials and Processes</i> , 2013, 32, 533-540.	1.4	17
36	Modeling the creep behavior of 2024-T3 Al alloy. <i>Computational Materials Science</i> , 2013, 67, 243-248.	3.0	48

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37	Precipitation in Al-Cu-Mg alloy during creep exposure. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 556, 796-800.	5.6	68
38	A Phenomenological Constitutive Model for Describing Thermo-Viscoplastic Behavior of Al-Zn-Mg-Cu Alloy Under Hot Working Condition. <i>Experimental Mechanics</i> , 2012, 52, 993-1002.	2.0	69
39	High-temperature creep behavior of Al-Cu-Mg alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 550, 125-130.	5.6	43
40	Hot compressive deformation behavior of 7075 Al alloy under elevated temperature. <i>Journal of Materials Science</i> , 2012, 47, 1306-1318.	3.7	103
41	Effects of stretching processing parameters on the mean elongation ratio and maximum spread ratio of heavy forgings. <i>Journal of Materials Science</i> , 2011, 46, 7536-7544.	3.7	0
42	Ultrasonic bond process for polymer-based anisotropic conductive film joints. Part 2: Application in chip-on-FR4 board assemblies. <i>Polymer Testing</i> , 2011, 30, 449-456.	4.8	12