

Yong Wu

List of Publications by Year in descending order

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papers

344
citations

933447

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23
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201
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#	ARTICLE	IF	CITATIONS
1	Constitutive modeling of flow behavior and microstructure evolution of AA7075 in hot tensile deformation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 712, 704-713.	5.6	81
2	Creep behavior and effects of heat treatment on creep resistance of Ti-22Al-24Nb-0.5Mo alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 680, 182-189.	5.6	35
3	Formability and microstructure of Ti22Al24.5Nb0.5Mo rolled sheet within hot gas bulging tests at constant equivalent strain rate. <i>Materials and Design</i> , 2016, 108, 298-307.	7.0	27
4	Relationship among microstructure, mechanical properties and texture of TA32 titanium alloy sheets during hot tensile deformation. <i>Transactions of Nonferrous Metals Society of China</i> , 2020, 30, 928-943.	4.2	25
5	Effect of feeding length on deforming behavior of Ti-3Al-2.5V tubular components prepared by tube gas forming at elevated temperature. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 81, 1809-1816.	3.0	22
6	A unified internal state variable material model for Ti2AlNb-alloy and its applications in hot gas forming. <i>International Journal of Mechanical Sciences</i> , 2019, 164, 105126.	6.7	19
7	The deformation and microstructure of Ti-3Al-2.5V tubular component for non-uniform temperature hot gas forming. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 88, 2143-2152.	3.0	16
8	Loading path and microstructure study of Ti-3Al-2.5V tubular components within hot gas forming at 800°C. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 87, 1823-1833.	3.0	15
9	High-temperature anisotropic behaviors and microstructure evolution mechanisms of a near- α Ti-alloy sheet. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 820, 141560.	5.6	15
10	Microstructure and mechanical properties of Ti2AlNb cup-shaped part prepared by hot gas forming: determining forming temperature, strain rate, and heat treatment. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 92, 4583-4594.	3.0	13
11	Shape controlling and property optimization of TA32 titanium alloy thin-walled part prepared by hot forming. <i>Transactions of Nonferrous Metals Society of China</i> , 2021, 31, 2336-2357.	4.2	11
12	Prediction and Experiment of Fracture Behavior in Hot Press Forming of a TA32 Titanium Alloy Rolled Sheet. <i>Metals</i> , 2018, 8, 985.	2.3	10
13	Formability Determination of Titanium Alloy Tube for High Pressure Pneumatic Forming at Elevated Temperature. <i>Procedia Engineering</i> , 2014, 81, 2243-2248.	1.2	9
14	Prediction of microstructure evolution during hot gas forming of Ti2AlNb-based alloy tubular component with square cross-section. <i>Procedia Manufacturing</i> , 2018, 15, 1156-1163.	1.9	9
15	A physically based constitutive model of Ti-6Al-4V and application in the SPF/DB process for a pyramid lattice sandwich panel. <i>Archives of Civil and Mechanical Engineering</i> , 2021, 21, 1.	3.8	8
16	Prediction of anisotropic deformation behavior of TA32 titanium alloy sheet during hot tension by crystal plasticity finite element model. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 843, 143137.	5.6	8
17	Microstructure and hot flow stress at 970°C of various heat-treated Ti2AlNb sheets. <i>Rare Metals</i> , 2020, 39, 695-706.	7.1	6
18	Multi-objective optimization with automatic simulation for partition temperature control in aluminum hot stamping process. <i>Structural and Multidisciplinary Optimization</i> , 2022, 65, 1.	3.5	6

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19	Microstructure, mechanical properties and post-weld heat treatments of dissimilar laser-welded Ti2AlNb/Ti60 sheet. <i>Rare Metals</i> , 2023, 42, 1332-1342.	7.1	5
20	Progress on High Pressure Pneumatic Forming and Warm Hydroforming of Titanium and Magnesium Alloy Tubular Components. <i>Materials Science Forum</i> , 0, 783-786, 2456-2461.	0.3	4
21	Effects of Nonconstant Strain Rate on Forming Limit and Efficiency in High Pressure Pneumatic Forming of Ti-Alloy Components. <i>Key Engineering Materials</i> , 0, 622-623, 347-352.	0.4	0
22	Thickness and Microstructure Analysis on Hot Gas Bulged Cup-Shaped Parts of Ti-22Al-24.5Nb-0.5Mo. <i>Key Engineering Materials</i> , 0, 716, 138-143.	0.4	0
23	Investigation on precision and performance for hot gas forming of thin-walled components of Ti2AlNb-based alloy. <i>MATEC Web of Conferences</i> , 2018, 190, 07001.	0.2	0