

# Jie Zhou

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

273  
citations

840776

11  
h-index

996975

15  
g-index

32  
all docs

32  
docs citations

32  
times ranked

168  
citing authors

#	ARTICLE	IF	CITATIONS
1	Study on forming defects in the rolling process of large aluminum alloy ring via adaptive controlled simulation. International Journal of Advanced Manufacturing Technology, 2011, 55, 95-106.	3.0	30
2	Optimal design of medium channels for water-assisted rapid thermal cycle mold using multi-objective evolutionary algorithm and multi-attribute decision-making method. International Journal of Advanced Manufacturing Technology, 2013, 68, 2407-2417.	3.0	24
3	The microstructure and properties change of dies manufactured by bimetal-gradient-layer surfacing technology. International Journal of Advanced Manufacturing Technology, 2015, 80, 1807-1814.	3.0	24
4	Springback compensation of automotive panel based on three-dimensional scanning and reverse engineering. International Journal of Advanced Manufacturing Technology, 2016, 85, 1187-1193.	3.0	19
5	Process planning of automatic wire arc additive remanufacturing for hot forging die. International Journal of Advanced Manufacturing Technology, 2020, 109, 1613-1623.	3.0	19
6	Influence analysis of area reduction for necking in twice-stage cross wedge rolling. International Journal of Advanced Manufacturing Technology, 2013, 66, 1407-1413.	3.0	18
7	Optimization of welding thickness on casting-steel surface for production of forging die. International Journal of Advanced Manufacturing Technology, 2015, 76, 1411-1419.	3.0	14
8	Research on gradient additive remanufacturing of ultra-large hot forging die based on automatic wire arc additive manufacturing technology. International Journal of Advanced Manufacturing Technology, 2021, 116, 2243-2254.	3.0	14
9	The multi-objective optimization design of a new closed extrusion forging technology for a steering knuckle with long rod and fork. International Journal of Advanced Manufacturing Technology, 2014, 72, 1219-1225.	3.0	12
10	Analysis of crack for complex structural parts and simulation optimization during hot forming. International Journal of Advanced Manufacturing Technology, 2015, 80, 373-382.	3.0	11
11	Microstructure and properties of surfacing layers of dies manufactured by bimetal-gradient-layer surfacing technology before and after service. International Journal of Advanced Manufacturing Technology, 2017, 88, 1289-1297.	3.0	11
12	Investigation on thermal rheological behavior and processing map of 30CrMnSiNi2A ultra-strength steel. International Journal of Material Forming, 2021, 14, 507-521.	2.0	11
13	Quantitative Analysis of Dynamic Softening Behaviors Induced by Dynamic Recrystallization for Ti-10V-2Fe-2Al Alloy. High Temperature Materials and Processes, 2015, 34, .	1.4	10
14	A comparison study on wear characteristics of Ni-based, Co-based and Fe-based alloys for heated hot stamping tools manufactured by surfacing technology. International Journal of Advanced Manufacturing Technology, 2020, 106, 3659-3668.	3.0	7
15	Friction properties of groove texture on Cr12MoV surface. Journal of Central South University, 2017, 24, 303-310.	3.0	6
16	Effect of heat input on microstructure and mechanical properties of butt-welded dissimilar magnesium alloys joint. Journal of Central South University, 2018, 25, 1358-1366.	3.0	5
17	New type of groove used to improve friction in roll forging. Journal of Central South University, 2014, 21, 493-499.	3.0	4
18	Hot forming of complex surface of hollow blade back arc based on drawing process. International Journal of Advanced Manufacturing Technology, 2017, 93, 4015-4021.	3.0	4

#	ARTICLE	IF	CITATIONS
19	Filling Path Planning and Polygon Operations for Wire Arc Additive Manufacturing Process. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-12.	1.1	4
20	Control of defects in the deep drawing of tailor-welded blanks for complex-shape automotive panel. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 119, 3235-3245.	3.0	4
21	Optimization design preform billet shape of 7050 aluminum alloy giant plane forgings based on electric field method and MBC toolbox. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 81, 231-240.	3.0	3
22	A precision sizing method for cold extruded sun gear with internal-external tooth shapes. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 115, 3331-3344.	3.0	3
23	Numerical simulation and experimental study on cold extrusion process for clutch outer gear hub with inner tooth shapes. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 112, 1437-1448.	3.0	3
24	Fundamental research and numerical simulation of new hot stamping tool manufactured by surfacing technology. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 107, 3527-3541.	3.0	2
25	Study on Microstructure and Numerical Simulation of Tailored Hot Stamping Tools Refabricated by Surfacing Co-Based Alloy. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 2732-2741.	2.5	2
26	Design of precision finishing method for cold extruded sun gear with internal-external tooth shapes. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 116, 3277-3293.	3.0	2
27	Study on Microstructure of Laser Cladding Fe-Based Coatings and Comparison of Mechanical Properties with SKD11 Steel. <i>Transactions of the Indian Institute of Metals</i> , 0, , 1.	1.5	2
28	A new path planning strategy based on level set function for layered fabrication processes. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 119, 517-529.	3.0	2
29	Modeling, analysis, and multi-objective optimization of cold extrusion process of clutch outer gear hub using response surface method and meta-heuristic approaches. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 116, 229-239.	3.0	1
30	Study on high-temperature deformation and practical application of ultra high strength steel BR1500HS in hot stamping. , 2013, , .		0