

Gang-Feng Xiao

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

386
citations

933447

10
h-index

996975

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g-index

15
all docs

15
docs citations

15
times ranked

150
citing authors

#	ARTICLE	IF	CITATIONS
1	Flow characterization of magnesium alloy ZK61 during hot deformation with improved constitutive equations and using activation energy maps. <i>International Journal of Mechanical Sciences</i> , 2021, 191, 106069.	6.7	50
2	Meso-modelling study of the mechanical response and texture evolution of magnesium alloy during hot compression. <i>Materials Today Communications</i> , 2021, 27, 102469.	1.9	3
3	Manufacturing of Ni-based superalloy thin-walled components by complex strain-path spinning combined with solution heat treatment. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 117, 199-215.	3.0	1
4	Deformation mechanism of ZK61 magnesium alloy cylindrical parts with longitudinal inner ribs during hot backward flow forming. <i>Journal of Materials Processing Technology</i> , 2021, 296, 117197.	6.3	22
5	Study of the microstructures and mechanical properties of ZK61 magnesium alloy cylindrical parts with inner ribs formed by hot power spinning. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 111, 851-860.	3.0	22
6	Research on the microstructure evolution of Ni-based superalloy cylindrical parts during hot power spinning. <i>Advances in Manufacturing</i> , 2019, 7, 52-63.	6.1	14
7	Research on Formation Conditions of the Ultrafine-Grained Structure of the Cylindrical Parts Manufactured by Power Spinning Based on Small Strains. <i>Materials</i> , 2018, 11, 1891.	2.9	2
8	Research on the forming quality and mechanical properties of cylindrical spun parts with ultrafine-grained structure during power spinning. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 97, 2979-2986.	3.0	5
9	Research on precise control of microstructure and mechanical properties of Ni-based superalloy cylindrical parts during hot backward flow spinning. <i>Journal of Manufacturing Processes</i> , 2018, 34, 140-147.	5.9	28
10	A study on non-uniform deformation of backward flow forming and its influencing factors. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 93, 4143-4152.	3.0	11
11	The classification and a review of hot power spinning of difficult-to-deform metals. <i>International Journal of Materials and Product Technology</i> , 2017, 54, 212.	0.2	13
12	New forming method of manufacturing cylindrical parts with nano/ultrafine grained structures by power spinning based on small plastic strains. <i>Science China Technological Sciences</i> , 2016, 59, 1656-1665.	4.0	18
13	Research on the grain refinement method of cylindrical parts by power spinning. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 78, 971-979.	3.0	18
14	A study of manufacturing tubes with nano/ultrafine grain structure by stagger spinning. <i>Materials & Design</i> , 2014, 59, 516-523.	5.1	32
15	A review of process advancement of novel metal spinning. <i>International Journal of Machine Tools and Manufacture</i> , 2014, 85, 100-121.	13.4	147