Qinglin Pan

List of Publications by Year in Descending Order

20 papers	287 citations	10 h-index	16 g-index
22 ext. papers	355 ext. citations	3.6 avg, IF	3.39 L-index

#	Paper	IF	Citations
20	Dynamic softening mechanisms and Zener-Hollomon parameter of Al-Mg-Si-Ce-B alloy during hot deformation. *Journal of Materials Research and Technology*, **2021**, 15, 6395-6403	5.5	0
19	Computational and Experimental Insights into the Role of Acidic Molecules on the Corrosion Behavior on 7A46 Aluminum Alloy. *Journal of Nanoscience and Nanotechnology*, **2021**, 21, 2221-2233	1.3	
18	Enhancing the Intergranular Corrosion Resistance of the Al-Mg-Si Alloy with Low Zn Content by the Interrupted Aging Treatment. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2021**, 52, 4907	2.3	0
17	Determination of Hot Extrusion Parameters in a Spray-Formed Ultrahigh-Strength Aluminum Alloy. *Journal of Materials Engineering and Performance*, **2020**, 29, 800-810	1.6	3
16	Hardening behavior of Al-0.25Sc and Al-0.25Sc-0.12Zr alloys during isothermal annealing. *Journal of Alloys and Compounds*, **2020**, 818, 152922	5.7	16
15	Microstructure evolution and physical-based diffusion constitutive analysis of Al-Mg-Si alloy during hot deformation. *Materials and Design*, **2019**, 184, 108181	8.1	30
14	Effect of different aging processes on the corrosion behavior of new Al-Cu-Li-Zr-Sc alloys. *Materials and Corrosion - Werkstoffe Und Korrosion*, **2019**, 70, 2266-2277	1.6	2
13	Characterization of hot deformation behavior and constitutive modeling of Al-Mg-Si-Mn-Cr alloy. *Journal of Materials Science*, **2019**, 54, 4366-4383	4.3	29
12	Study on hot compressive deformation behaviors and corresponding industrial extrusion of as-homogenized Al-7.82Zn-1.96Mg-2.35Cu-0.11Zr alloy. *Journal of Materials Science*, **2018**, 53, 11728-11748	4.3	21
11	Prediction on hot deformation behavior of spray formed ultra-high strength aluminum alloy: A comparative study using constitutive models. *Journal of Alloys and Compounds*, **2018**, 735, 1931-1942	5.7	17
10	Microstructural evolution and constitutive analysis combined with weight optimization method of Al-7.82Zn-1.96Mg-2.35Cu-0.11Zr alloy during hot deformation. *Journal of Alloys and Compounds*, **2018**, 732, 902-914	5.7	19
9	Characterization of hot deformation behavior of as-homogenized Al-Cu-Li-Sc-Zr alloy using processing maps. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2014**, 614, 199-206	5.3	80
8	Characterization of Fracture and Fatigue Behavior of 7050 Aluminum Alloy Ultra-thick Plate. *Journal of Materials Engineering and Performance*, **2013**, 22, 2665-2672	1.6	10
7	Research on the Hot Deformation Behavior of Al-Zn-Mg-Sc-Zr Alloy During Compression at Elevated Temperature. *Journal of Materials Engineering and Performance*, **2013**, 22, 536-540	1.6	6
6	Modeling of Flow Stress Considering Dynamic Recrystallization for Magnesium Alloy ZK60. *Materials and Manufacturing Processes*, **2010**, 25, 527-533	4.1	17
5	Microstructure and mechanical properties of ultrafine grain ZK60 alloy processed by equal channel angular pressing. *Journal of Materials Science*, **2010**, 45, 1655-1662	4.3	22
4	Effects of minor Sc on the microstructure and mechanical properties of Al-Zn-Mg-Cu-Zr based alloys. *Rare Metals*, **2009**, 28, 102-106	5.5	14

List of Publications

3	Microstructure Evolution and Constitutive Analysis of Al-Mg-Si-Ce-B Alloy during Hot Deformation. *Journal of Materials Engineering and Performance*,1	1.6	0
2	Characterizing Microstructure Evolution and Kinetics of a Spray Formed Ultrahigh Strength Aluminum Alloy during Isothermal Aging. *Journal of Materials Engineering and Performance*,1	1.6	0
1	Influence of Asymmetric Rolling Process and Thickness Reduction on the Microstructure and Mechanical Properties of the Al-Mg-Si Alloy. *Metals and Materials International*,1	2.4	1