

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Characterization of hot deformation behavior of as-homogenized Al _{0.82} Cu _{0.12} ScZr alloy using processing maps. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 614, 199-206	5.3	80
19	Microstructure evolution and physical-based diffusion constitutive analysis of Al-Mg-Si alloy during hot deformation. <i>Materials and Design</i> , 2019 , 184, 108181	8.1	30
18	Characterization of hot deformation behavior and constitutive modeling of AlMgSiMnZr alloy. <i>Journal of Materials Science</i> , 2019 , 54, 4366-4383	4.3	29
17	Microstructure and mechanical properties of ultrafine grain ZK60 alloy processed by equal channel angular pressing. <i>Journal of Materials Science</i> , 2010 , 45, 1655-1662	4.3	22
16	Study on hot compressive deformation behaviors and corresponding industrial extrusion of as-homogenized Al _{0.82} Zn _{0.96} Mg _{0.35} Cu _{0.11} Zr alloy. <i>Journal of Materials Science</i> , 2018 , 53, 11728-11748	4.3	21
15	Microstructural evolution and constitutive analysis combined with weight optimization method of Al-7.82Zn-1.96Mg-2.35Cu-0.11Zr alloy during hot deformation. <i>Journal of Alloys and Compounds</i> , 2018 , 732, 902-914	5.7	19
14	Modeling of Flow Stress Considering Dynamic Recrystallization for Magnesium Alloy ZK60. <i>Materials and Manufacturing Processes</i> , 2010 , 25, 527-533	4.1	17
13	Prediction on hot deformation behavior of spray formed ultra-high strength aluminum alloy: A comparative study using constitutive models. <i>Journal of Alloys and Compounds</i> , 2018 , 735, 1931-1942	5.7	17
12	Hardening behavior of Al-0.25Sc and Al-0.25Sc-0.12Zr alloys during isothermal annealing. <i>Journal of Alloys and Compounds</i> , 2020 , 818, 152922	5.7	16
11	Effects of minor Sc on the microstructure and mechanical properties of Al-Zn-Mg-Cu-Zr based alloys. <i>Rare Metals</i> , 2009 , 28, 102-106	5.5	14
10	Characterization of Fracture and Fatigue Behavior of 7050 Aluminum Alloy Ultra-thick Plate. <i>Journal of Materials Engineering and Performance</i> , 2013 , 22, 2665-2672	1.6	10
9	Research on the Hot Deformation Behavior of Al-Zn-Mg-Sc-Zr Alloy During Compression at Elevated Temperature. <i>Journal of Materials Engineering and Performance</i> , 2013 , 22, 536-540	1.6	6
8	Determination of Hot Extrusion Parameters in a Spray-Formed Ultrahigh-Strength Aluminum Alloy. <i>Journal of Materials Engineering and Performance</i> , 2020 , 29, 800-810	1.6	3
7	Effect of different aging processes on the corrosion behavior of new Al _{0.82} Cu _{0.12} ZrSc alloys. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2019 , 70, 2266-2277	1.6	2
6	Influence of Asymmetric Rolling Process and Thickness Reduction on the Microstructure and Mechanical Properties of the AlMg-Si Alloy. <i>Metals and Materials International</i> , 2019 , 25, 100-107	2.4	1
5	Microstructure Evolution and Constitutive Analysis of Al-Mg-Si-Ce-B Alloy during Hot Deformation. <i>Journal of Materials Engineering and Performance</i> , 2019 , 28, 2665-2672	1.6	0
4	Dynamic softening mechanisms and Zener-Hollomon parameter of AlMgSiCeB alloy during hot deformation. <i>Journal of Materials Research and Technology</i> , 2021 , 15, 6395-6403	5.5	0

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| 3 | Characterizing Microstructure Evolution and Kinetics of a Spray Formed Ultrahigh Strength Aluminum Alloy during Isothermal Aging. <i>Journal of Materials Engineering and Performance</i> , 1 | 1.6 | 0 |
| 2 | Enhancing the Intergranular Corrosion Resistance of the AlMgSi Alloy with Low Zn Content by the Interrupted Aging Treatment. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2021 , 52, 4907 | 2.3 | 0 |
| 1 | Computational and Experimental Insights into the Role of Acidic Molecules on the Corrosion Behavior on 7A46 Aluminum Alloy. <i>Journal of Nanoscience and Nanotechnology</i> , 2021 , 21, 2221-2233 | 1.3 | |