

# Muhammet Demirtaş

## List of Publications by Year in descending order

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14  
papers

402  
citations

1039880

9  
h-index

1199470

12  
g-index

14  
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14  
docs citations

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times ranked

311  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of strength, ductility and electrical conductivity of Cu-Cr-Zr alloy by combining multi-route ECAP and aging. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 649, 114-122.	2.6	113
2	Influence of high pressure torsion-induced grain refinement and subsequent aging on tribological properties of Cu-Cr-Zr alloy. <i>Journal of Alloys and Compounds</i> , 2018, 742, 325-333.	2.8	64
3	Effect of equal-channel angular pressing on room temperature superplasticity of quasi-single phase Zn-0.3Al alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 644, 17-24.	2.6	42
4	Improvement of high strain rate and room temperature superplasticity in Zn-22Al alloy by two-step equal-channel angular pressing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 620, 233-240.	2.6	39
5	Microstructural, mechanical and tribological properties of ultrafine-grained Cu-Cr-Zr alloy processed by high pressure torsion. <i>Journal of Alloys and Compounds</i> , 2020, 816, 152675.	2.8	37
6	Achieving room temperature superplasticity in Zn-5Al alloy at high strain rates by equal-channel angular extrusion. <i>Journal of Alloys and Compounds</i> , 2015, 623, 213-218.	2.8	27
7	Effect of different processes on lamellar-free ultrafine grain formation, room temperature superplasticity and fracture mode of Zn-22Al alloy. <i>Journal of Alloys and Compounds</i> , 2016, 663, 775-783.	2.8	26
8	High temperature superplasticity and deformation behavior of naturally aged Zn-Al alloys with different phase compositions. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 730, 73-83.	2.6	19
9	Effects of grain size on room temperature deformation behavior of Zn-22Al alloy under uniaxial and biaxial loading conditions. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 672, 78-87.	2.6	13
10	Effect of grain refinement and phase composition on room temperature superplasticity and damping capacity of dual-phase Zn-Al alloys. <i>Journal of Materials Research</i> , 2018, 33, 1032-1045.	1.2	6
11	Effect of resin content on tribological behavior of brake pad composite material. <i>Industrial Lubrication and Tribology</i> , 2018, 72, 195-202.	0.6	6
12	Effect of Natural Aging on RT and HSR Superplasticity of Ultrafine Grained Zn-22Al Alloy. <i>Materials Science Forum</i> , 0, 838-839, 320-325.	0.3	4
13	The mechanical compression performance of ultra-fine grained stainless steel pyramidal lattice core. <i>Mechanics of Advanced Materials and Structures</i> , 2021, 28, 1073-1078.	1.5	4
14	Room Temperature Superplasticity in Fine/Ultrafine-Grained Zn-Al Alloys with Different Phase Compositions. <i>Defect and Diffusion Forum</i> , 0, 385, 72-77.	0.4	2