

# Qi Mingfan

## List of Publications by Year in descending order

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Version: 2024-02-01

12  
papers

257  
citations

1163117

8  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

147  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Microstructures, mechanical properties, and corrosion behavior of novel high-thermal-conductivity hypoeutectic Al-Si alloys prepared by rheological high pressure die-casting and high pressure die-casting. <i>Journal of Alloys and Compounds</i> , 2018, 749, 487-502.                      | 5.5 | 49        |
| 2  | A forced convection stirring process for Rheo-HPDC aluminum and magnesium alloys. <i>Journal of Materials Processing Technology</i> , 2016, 234, 353-367.  | 6.3 | 47        |
| 3  | Improvement in mechanical, thermal conductivity and corrosion performances of a new high-thermally conductive Al-Si-Fe alloy through a novel R-HPDC process. <i>Journal of Materials Processing Technology</i> , 2020, 279, 116586.  | 6.3 | 33        |
| 4  | Microstructure refinement and corrosion resistance improvement mechanisms of a novel Al-Si-Fe-Mg-Cu-Zn alloy prepared by ultrasonic vibration-assisted rheological die-casting process. <i>Corrosion Science</i> , 2021, 180, 109180.  | 6.6 | 31        |
| 5  | Effect of extrusion on the microstructure and corrosion behaviors of biodegradable Mg-Zn-Y-Gd-Zr alloy. <i>Journal of Materials Science</i> , 2020, 55, 1231-1245.   | 3.7 | 24        |
| 6  | R-HPDC Process with Forced Convection Mixing Device for Automotive Part of A380 Aluminum Alloy. <i>Materials</i> , 2014, 7, 3084-3105.   | 2.9 | 22        |
| 7  | Microstructures refinement and mechanical properties enhancement of aluminum and magnesium alloys by combining distributary-confluence channel process for semisolid slurry preparation with high pressure die-casting. <i>Journal of Materials Processing Technology</i> , 2020, 285, 116800. | 6.3 | 21        |
| 8  | Microstructure, mechanical properties and corrosion behavior of Rheo-HPDC a novel Al-8Si-Fe alloy. <i>Materials Letters</i> , 2018, 213, 378-382.  | 2.6 | 17        |
| 9  | Synchronously Improving the Thermal Conductivity and Mechanical Properties of Al-Si-Fe-Mg-Cu-Zn Alloy Die Castings Through Ultrasonic-Assisted Rheoforming. <i>Acta Metallurgica Sinica (English Letters)</i> , 2021, 34, 1331-1344.   | 2.9 | 5         |
| 10 | The influence of Gd content on the microstructure, mechanical properties, corrosion behavior and corrosion film deposition mechanisms of as-extruded Mg-Zn-Mn-Sr-Gd alloys for biomedical applications. <i>Journal of Materials Science</i> , 2022, 57, 2053-2072.                             | 3.7 | 4         |
| 11 | Effects of Processing Parameters on Microstructure and Mechanical Properties of Rheomolded AZ91D Magnesium Alloy. <i>Transactions of the Indian Institute of Metals</i> , 2016, 69, 673-682.   | 1.5 | 2         |
| 12 | Improving Microstructure and Mechanical Properties for Large-Diameter 7075 Aluminum Alloy Ingots by a Forced Convection Stirring Casting Process. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2017, 48, 993-1003.                 | 2.1 | 2         |