

# Dou Kun

## List of Publications by Year in descending order

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Version: 2024-02-01

13  
papers

189  
citations

1478505

6  
h-index

1125743

13  
g-index

13  
all docs

13  
docs citations

13  
times ranked

126  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strengthening die-cast Al-Mg and Al-Mg-Mn alloys with Fe as a beneficial element. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 732, 240-250.	5.6	43
2	Influence of porosity characteristics on the variability in mechanical properties of high pressure die casting (HPDC) AlSi7MgMn alloys. <i>Journal of Manufacturing Processes</i> , 2020, 56, 500-509.	5.9	38
3	On the relationship between internal porosity and the tensile ductility of aluminium alloy die-castings. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 778, 139107.	5.6	29
4	A complete computer aided engineering (CAE) modelling and optimization of high pressure die casting (HPDC) process. <i>Journal of Manufacturing Processes</i> , 2020, 60, 435-446.	5.9	20
5	Influence of cooling rate on secondary phase precipitation and proeutectoid phase transformation of micro-alloyed steel containing vanadium. <i>Metals and Materials International</i> , 2016, 22, 349-355.	3.4	18
6	A novel approach to optimize mechanical properties for aluminium alloy in High pressure die casting (HPDC) process combining experiment and modelling. <i>Journal of Materials Processing Technology</i> , 2021, 296, 117193.	6.3	16
7	Hot deformation behavior and constitutive modelling of low carbon micro-alloyed steel YQ450NQR1 during isothermal compression. <i>Mechanics of Materials</i> , 2020, 148, 103430.	3.2	5
8	A New Cooling Strategy in Curved Continuous Casting Process of Vanadium Micro-alloyed YQ450NQR1 Steel Bloom Combining Experimental and Modeling Approach. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020, 51, 3945-3955.	2.2	5
9	On the probabilistic nature of high-pressure die casting. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 817, 141391.	5.6	5
10	Understanding of surface segregation of Cu and Zn on nano Si precipitates to the mechanical property improvement of high pressure die casting Al9Si3CuFe alloy. <i>Journal of Alloys and Compounds</i> , 2022, 895, 162219.	5.5	4
11	Turbulent breakup of non-metallic inclusions and equiaxed crystals during solidification of a hypoeutectic Al-Si alloy. <i>Materialia</i> , 2021, 17, 101114.	2.7	2
12	Influence of boron addition on the hot ductility of medium carbon spring steel. <i>Engineering Failure Analysis</i> , 2021, 129, 105696.	4.0	2
13	Understanding the Initial Solidification Behavior for Al-Si Alloy in Cold Chamber High-Pressure Die Casting (CC-HPDC) Process Combining Experimental and Modeling Approach. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2022, 53, 3110-3124.	2.2	2