

# Ling

## List of Publications by Year in descending order

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16  
papers

305  
citations

933447

10  
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1125743

13  
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16  
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16  
docs citations

16  
times ranked

367  
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional crystal plasticity finite element simulation of nanoindentation on aluminium alloy 2024. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 579, 41-49.	5.6	49
2	Fatigue crack initiation life prediction for aluminium alloy 7075 using crystal plasticity finite element simulations. <i>Mechanics of Materials</i> , 2015, 81, 84-93.	3.2	49
3	Effects of strain rate on the microstructure evolution and mechanical response of magnesium alloy AZ31. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 684, 37-46.	5.6	41
4	A texture-based representative volume element crystal plasticity model for predicting Bauschinger effect during cyclic loading. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 608, 174-183.	5.6	35
5	Three-Dimensional Crystal Plasticity Finite Element Simulation of Hot Compressive Deformation Behaviors of 7075 Al Alloy. <i>Journal of Materials Engineering and Performance</i> , 2015, 24, 1294-1304.	2.5	25
6	Three dimensional efficient meshfree simulation of large deformation failure evolution in soil medium. <i>Science China Technological Sciences</i> , 2011, 54, 573-580.	4.0	23
7	Fatigue crack growth of aluminium alloy 7075-T651 under proportional and non-proportional mixed mode I and II loads. <i>Engineering Fracture Mechanics</i> , 2017, 174, 155-167.	4.3	22
8	Modified smoothed particle hydrodynamics approach for modelling dynamic contact angle hysteresis. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2019, 35, 472-485.	3.4	17
9	A smoothed particle hydrodynamics framework for modelling multiphase interactions at meso-scale. <i>Computational Mechanics</i> , 2018, 62, 1071-1085.	4.0	16
10	Effects of heat treatment and strain rate on the microstructure and mechanical properties of 6061 Al alloy. <i>International Journal of Damage Mechanics</i> , 2016, 25, 26-41.	4.2	13
11	Generalised Voronoi tessellation for generating microstructural finite element models with controllable grain-size distributions and grain aspect ratios. <i>International Journal for Numerical Methods in Engineering</i> , 2015, 103, 144-156.	2.8	7
12	Cracks cause analysis and research on the crane rail beam of Zhanjiang plant coal wharf port. <i>Procedia Engineering</i> , 2012, 31, 520-527.	1.2	3
13	Finite Element Simulation of the Hot Deformation Behavior of AA7075 Using a Coupled Thermo-Mechanical Crystal Plasticity Constitutive Model. <i>Applied Mechanics and Materials</i> , 0, 553, 82-87.	0.2	2
14	Efficient Meshfree Large Deformation Simulation of Rainfall Induced Soil Slope Failure. , 2010, , .		1
15	Crystal Plasticity Simulation of the Bauschinger Effect of Polycrystalline AA7075 through a Texture-Based Representative Volume Element Model. <i>Applied Mechanics and Materials</i> , 2014, 553, 22-27.	0.2	1
16	Crystal Plasticity Finite Element Simulations of Polycrystalline Aluminium Alloy under Cyclic Loading. <i>Advanced Materials Research</i> , 0, 891-892, 1609-1614.	0.3	1