

Yan Lu

List of Publications by Year in descending order

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8
papers

275
citations

1307594

7
h-index

1588992

8
g-index

8
all docs

8
docs citations

8
times ranked

451
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel PtCo alloy nanoparticle decorated 2D g-C ₃ N ₄ nanosheets with enhanced photocatalytic activity for H ₂ evolution under visible light irradiation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 23274-23282.	10.3	125
2	Synthesis of novel AuPd nanoparticles decorated one-dimensional ZnO nanorod arrays with enhanced photoelectrochemical water splitting activity. <i>Journal of Colloid and Interface Science</i> , 2016, 483, 146-153.	9.4	43
3	Predicting grain structure in high pressure die casting of aluminum alloys: A coupled cellular automaton and process model. <i>Computational Materials Science</i> , 2019, 161, 64-75.	3.0	28
4	Predicting gas and shrinkage porosity in solidification microstructure: A coupled three-dimensional cellular automaton model. <i>Journal of Materials Science and Technology</i> , 2020, 49, 91-105.	10.7	27
5	A new fatigue life model for thermally-induced cracking in H13 steel dies for die casting. <i>Journal of Materials Processing Technology</i> , 2019, 271, 444-454.	6.3	25
6	Three-dimensional cellular automaton simulation of coupled hydrogen porosity and microstructure during solidification of ternary aluminum alloys. <i>Scientific Reports</i> , 2019, 9, 13099.	3.3	13
7	Microstructural Investigation of Friction-Stir-Welded 7005 Aluminum Alloy. <i>Journal of Materials Engineering and Performance</i> , 2015, 24, 4297-4306.	2.5	10
8	A Statistics-Based Cracking Criterion of Resin-Bonded Silica Sand for Casting Process Simulation. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2017, 48, 260-267.	2.1	4