Ping Zhou

List of Publications by Year
in descending order

36 papers	253 citations	932766 10 h-index	1058022 14 g-index
36 all docs	36 docs citations	36 times ranked	242 citing authors

#	ARTICLE	IF	CITATIONS
1	Calculation of phase transformation latent heat based on cooling curves in end-quench test and its application in nickel-based superalloy. Transactions of Nonferrous Metals Society of China, 2022, 32, 1718-1727.	1.7	1
2	Prediction of the cohesive zone in a blast furnace by integrating CFD and SVM modelling. Ironmaking and Steelmaking, 2021, 48, 284-291.	1.1	4
3	Optimized Design of Multi-layer Nano-photonic Structures for Selective Absorption Applications by Artificial Neural Networks. Plasmonics, 2021, 16, 653-659.	1.8	4
4	Failure analysis of the water-wall tube in KIVCET waste heat boiler. Engineering Failure Analysis, 2021, 121, 105155.	1.8	5
5	Effects of single lance configuration on coal combustion process in tuyere from viewpoint of coal plume. Journal of Iron and Steel Research International, 2021, 28, 785-798.	1.4	3
6	Modeling the solar absorption performance of Copper@Carbon core–shell nanoparticles. Journal of Materials Science, 2021, 56, 13659-13672.	1.7	15
7	Stability analysis of discrete population balance model for bubble growth and shrinkage. International Journal for Numerical Methods in Fluids, 2021, 93, 3338-3363.	0.9	4
8	Splitting Physical Exergy by Its Feasible Working Ways. Processes, 2021, 9, 2091.	1.3	1
9	Effects of occlusion modification on the remodelling of degenerative mandibular condylar processes. Oral Diseases, 2020, 26, 597-608.	1.5	15
10	CFD model evaluation in mixed convection with high Richardson number. International Journal of Heat and Mass Transfer, 2020, 149, 119133.	2.5	6
11	Study of the heat transfer coefficient of a nickel-based superalloy in the end-quench test with air. International Journal of Thermal Sciences, 2020, 155, 106416.	2.6	6
12	Transparent Display by the Scattering Effect of Plasmonic Au-Ag Nanoparticles. Plasmonics, 2020, 15, 1855-1861.	1.8	8
13	Numerical study on pulverized coal combustion in a raceway from the viewpoint of coal plume. Energy Procedia, 2019, 158, 5517-5522.	1.8	1
14	A viewpoint on the dynamics of bubble formation from a submerged nozzle. European Journal of Mechanics, B/Fluids, 2019, 78, 276-283.	1.2	10
15	CFD modelling and optimization of oxygen supply mode in KIVCET smelting process. Transactions of Nonferrous Metals Society of China, 2019, 29, 1560-1568.	1.7	8
16	Molecular Dynamics Simulation of Carbon Effect on the Thermal Physical Properties of the Molten Iron. ISIJ International, 2019, 59, 221-226.	0.6	6
17	Experimental and CFD investigations on cooling process of end-quench test. Transactions of Nonferrous Metals Society of China, 2019, 29, 2440-2446.	1.7	4
18	A mathematical approach to submerged horizontal buoyant jet trajectory and a criterion for jet flow patterns. Experimental Thermal and Fluid Science, 2018, 92, 409-419.	1.5	21

#	ARTICLE	IF	CITATIONS
19	Fuzzy grey relational analysis for influencing factors of heat transfer in a blast furnace hearth. Ironmaking and Steelmaking, 2018, 45, 899-906.	1.1	13
20	Soft-sensing method of cohesive zone shape and position in blast furnace shaft. IFAC-PapersOnLine, 2018, 51, 48-52.	0.5	4
21	A RQPSO Algorithm for Multiphase Equilibrium Calculation in the KIVCET Process. Jom, 2018, 70, 2893-2899.	0.9	3
22	Evaluation of flow behavior in copper electro-refining cell with different inlet arrangements. Transactions of Nonferrous Metals Society of China, 2017, 27, 2282-2290.	1.7	1
23	Evaluation of Burden Descent Model for Burden Distribution in Blast Furnace. Journal of Iron and Steel Research International, 2016, 23, 765-771.	1.4	20
24	Dimensional analysis and experimental study of gas penetration depth model for submerged side-blown equipment. Experimental Thermal and Fluid Science, 2016, 75, 220-227.	1.5	17
25	Mass transfer process in replacement-column purification device in zinc hydrometallurgy. Transactions of Nonferrous Metals Society of China, 2014, 24, 2660-2664.	1.7	3
26	Optimization of operating conditions and structure parameters of zinc electrolytic cell based on numerical simulation for electrolyte flow. Transactions of Nonferrous Metals Society of China, 2014, 24, 1604-1609.	1.7	9
27	Numerical Simulation on Combustion Process and Optimization of Structure for the Reclaimed Copper Reverberatory Furnace. , 2012, , .		0
28	Numerical simulation of flow characteristics in settler of flash furnace. Transactions of Nonferrous Metals Society of China, 2012, 22, 1517-1525.	1.7	14
29	Grey correlation analysis of factors influencing maldistribution in feeding device of copper flash smelting. Journal of Central South University, 2012, 19, 1938-1945.	1.2	8
30	Parameter fitting of constitutive model and FEM analysis of solder joint thermal cycle reliability for lead-free solder Sn-3.5Ag. Central South University, 2009, 16, 339-343.	0.5	10
31	Analysis of disagreement between numerically predicted and experimental heat transfer data of impinging jet. Central South University, 2006, 13, 486-490.	0.5	1
32	Application of hilbert-huang transform to denoising in vortex flowmeter. Central South University, 2006, 13, 501-505.	0.5	17
33	The Effect of Temperature on Low Cycle Fatigue of an Eutectic Solder. , 2006, , .		2
34	Two-stage numerical simulation for temperature profile in furnace of tangentially fired pulverized coal boiler. Central South University, 2005, 12, 97-101.	0.5	2
35	Effect of electromagnetic force on turbulent flow of molten metal in aluminum electrolysis cells. Central South University, 2004, 11, 265-269.	0.5	1
36	Simulation of the influence of the baffle on flowing field in the anode baking ring furnace. Central South University, 2002, 9, 208-211.	0.5	6