Tie-Jun Chun

List of Publications by Year
in descending order

39 papers	681 citations	567281 15 h-index	580821 25 g-index
47 all docs	47 docs citations	47 times ranked	422 citing authors

#	Article	IF	Citations
1	Lowâ€temperature silane coupling agent modified biomimetic micro/nanoscale roughness hierarchical structure superhydrophobic polyethylene terephthalate filter media. Polymers for Advanced Technologies, 2022, 33, 1655-1664.	3.2	7
2	Consolidation mechanism of fluxed hematite pellets. Journal of Iron and Steel Research International, 2022, 29, 1526-1534.	2.8	4
3	Performance evaluation of urea injection on the emission reduction of dioxins and furans in a commercial municipal solid waste incinerator. Chemical Engineering Research and Design, 2021, 146, 577-585.	5.6	5
4	Fabrication of superhydrophobic PET filter material with fluorinated SiO2 nanoparticles via simple solâ€“gel process. Journal of Sol-Gel Science and Technology, 2021, 98, 224-237.	2.4	20
5	Influence of the Gangue Compositions on the Reduction Swelling Index of Hematite Briquettes. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2021, 52, 2139-2150.	2.1	4
6	Study of Catalytic Combustion of Dioxins on Ce-V-Ti Catalysts Modified by Graphene Oxide in Simulating Iron Ore Sintering Flue Gas. Materials, 2020, 13, 125.	2.9	3
7	Detection of the assimilation characteristics of iron ores: Dynamic resistance measurements. International Journal of Minerals, Metallurgy and Materials, 2020, 27, 18-25.	4.9	6
8	Catalytic Combustion of Chlorobenzene with VOx/CeO2 Catalystsï¼š Influence of Catalyst Synthesis Method. International Journal of Chemical Reactor Engineering, 2019, 17, .	1.1	3
9	Determination method of high-temperature characteristics of iron-ore sintering based on n(Fe2O3)/n(CaO). Journal of Iron and Steel Research International, 2019, 26, 1257-1264.	2.8	2
10	Sticking behaviour and mechanism of iron ore pellets in COREX pre-reduction shaft furnace. Ironmaking and Steelmaking, 2019, 46, 159-164.	2.1	12
11	Emission reduction research and development of PCDD/Fs in the iron ore sintering. Chemical Engineering Research and Design, 2018, 117, 82-91.	5.6	43
12	Application status and comparison of dioxin removal technologies for iron ore sintering process. Journal of Iron and Steel Research International, 2018, 25, 357-365.	2.8	9
13	Effects of gangue compositions on reduction process of carbon-bearing iron ore pellets. Journal of Iron and Steel Research International, 2018, 25, 1105-1112.	2.8	3
14	Mechanism of Selective Desulphurization in Iron Ore Sintering Process by Adding Urea. High Temperature Materials and Processes, 2017, 36, 183-188.	1.4	5
15	Novel technology of reducing SO 2 emission in the iron ore sintering. Chemical Engineering Research and Design, 2017, 105, 297-302.	5.6	35
16	Preparation of Direct Reduction Sponge Iron (DRI) Using Pyrite Cinder Containing Nonferrous Metals. High Temperature Materials and Processes, 2017, 36, 971-978.	1.4	2
17	Study on the effects of catalyst on combustion characteristics of pulverized coal. Metallurgical Research and Technology, 2017, 114, 104.	0.7	3
18	Effects of mill scales on the combustion characteristics of pulverized coals. Metallurgical Research and Technology, 2017, 114, 514.	0.7	0

#	Article	IF	Citations
19	Preparation of Metallic Iron Powder from Pyrite Cinder by Carbothermic Reduction and Magnetic Separation. Metals, 2016, 6, 88.	2.3	10
20	Assimilation Behavior of Calcium Ferrite and Calcium Diferrite with Sintered Al2O3 and MgO. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2016, 47, 2830-2836.	2.1	17
21	Influences of hydrogen-enriched atmosphere under coke oven gas injection on reduction swelling behaviors of oxidized pellet. Journal of Central South University, 2016, 23, 1890-1898.	3.0	13
22	A pilot-scale study of selective desulfurization via urea addition in iron ore sintering. International Journal of Minerals, Metallurgy and Materials, 2016, 23, 1239-1243.	4.9	6
23	Sulfur balance calculation of new desulfurization technology in the iron ore sintering process. Metallurgical Research and Technology, 2016, 113, 107.	0.7	5
24	Grinding Kinetics of Vanadium-Titanium Magnetite Concentrate in a Damp Mill and Its Properties. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2016, 47, 1765-1772.	2.1	34
25	Mineralogical Characterization of Copper Slag from Tongling Nonferrous Metals Group China. Jom, 2016, 68, 2332-2340.	1.9	25
26	Oxidizing Roasting Performances of Coke Fines Bearing Brazilian Specularite Pellets. High Temperature Materials and Processes, 2016, 35, 615-620.	1.4	3
27	Simultaneously Roasting and Magnetic Separation to Treat Low Grade Siderite and Hematite Ores. Mineral Processing and Extractive Metallurgy Review, 2015, 36, 223-226.	5.0	47
28	Alumina-Iron Separation of High Alumina Iron Ore by Carbothermic Reduction and Magnetic Separation. Separation Science and Technology, 2015, 50, 760-766.	2.5	16
29	New Process of Pellets-Metallized Sintering Process (PMSP) to Treat Zinc-Bearing Dust from Iron and Steel Company. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2015, 46, 1-4.	2.1	25
30	Preparation of Chromium-iron Metal Powder from Chromium Slag by Reduction Roasting and Magnetic Separation. Journal of Iron and Steel Research International, 2015, 22, 771-776.	2.8	18
31	Recovery of Alumina from Magnetic Separation Tailings of Red Mud by Na2CO3 Solution Leaching. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2014, 45, 827-832.	2.1	15
32	Utilization of High Sulfur Raw Materials in Iron Ore Pellets. Journal of Iron and Steel Research International, 2013, 20, 32-38.	2.8	6
33	Influence of basicity and MgO content on metallurgical performances of Brazilian specularite pellets. International Journal of Mineral Processing, 2013, 125, 51-60.	2.6	62
34	Upgrading and dephosphorization of Western Australian iron ore using reduction roasting by adding sodium carbonate. International Journal of Minerals, Metallurgy and Materials, 2013, 20, 505-513.	4.9	33
35	Recovery of Iron From High-Iron Red Mud by Reduction Roasting With Adding Sodium Salt. Journal of Iron and Steel Research International, 2012, 19, 1-5.	2.8	113
36	Direct Reduction Behaviors of Composite Binder Magnetite Pellets in Coal-based Grate-rotary Kiln Process. ISIJ International, 2011, 51, 214-219.	1.4	39

#	Article	IF	Citations
37	Influence of sulfur content in raw materials on oxidized pellets. Central South University, 2011, 18, 1924-1929.	0.5	22
38	Notice of Retraction: Research on the Utilization of Pyrite Cinder in Iron Ore Pellets. , 2011, , .		2
39	Study on the Desulfuration of Pyrite Cinder Pellets. , 0, , 473-479.		0