

# Tie-Jun Chun

## List of Publications by Year in descending order

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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	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
2	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
3	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
4	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
5	Direct Reduction Behaviors of Composite Binder Magnetite Pellets in Coal-based Grate-rotary Kiln Process. ISIJ International, 2011, 51, 214-219.	1.4	39
6	Novel technology of reducing SO <sub>2</sub> emission in the iron ore sintering. Chemical Engineering Research and Design, 2017, 105, 297-302.	5.6	35
7	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
8	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
9	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
10	Mineralogical Characterization of Copper Slag from Tongling Nonferrous Metals Group China. Jom, 2016, 68, 2332-2340.	1.9	25
11	Influence of sulfur content in raw materials on oxidized pellets. Central South University, 2011, 18, 1924-1929.	0.5	22
12	Fabrication of superhydrophobic PET filter material with fluorinated SiO <sub>2</sub> nanoparticles via simple sol-gel process. Journal of Sol-Gel Science and Technology, 2021, 98, 224-237.	2.4	20
13	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
14	Assimilation Behavior of Calcium Ferrite and Calcium Diferrite with Sintered Al <sub>2</sub> O <sub>3</sub> and MgO. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2016, 47, 2830-2836.	2.1	17
15	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
16	Recovery of Alumina from Magnetic Separation Tailings of Red Mud by Na <sub>2</sub> CO <sub>3</sub> Solution Leaching. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2014, 45, 827-832.	2.1	15
17	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
18	Sticking behaviour and mechanism of iron ore pellets in COREX pre-reduction shaft furnace. Ironmaking and Steelmaking, 2019, 46, 159-164.	2.1	12

#	ARTICLE	IF	CITATIONS
19	Preparation of Metallic Iron Powder from Pyrite Cinder by Carbothermic Reduction and Magnetic Separation. <i>Metals</i> , 2016, 6, 88.	2.3	10
20	Application status and comparison of dioxin removal technologies for iron ore sintering process. <i>Journal of Iron and Steel Research International</i> , 2018, 25, 357-365.	2.8	9
21	Low-temperature silane coupling agent modified biomimetic micro/nanoscale roughness hierarchical structure superhydrophobic polyethylene terephthalate filter media. <i>Polymers for Advanced Technologies</i> , 2022, 33, 1655-1664.	3.2	7
22	Utilization of High Sulfur Raw Materials in Iron Ore Pellets. <i>Journal of Iron and Steel Research International</i> , 2013, 20, 32-38.	2.8	6
23	A pilot-scale study of selective desulfurization via urea addition in iron ore sintering. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2016, 23, 1239-1243.	4.9	6
24	Detection of the assimilation characteristics of iron ores: Dynamic resistance measurements. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2020, 27, 18-25.	4.9	6
25	Sulfur balance calculation of new desulfurization technology in the iron ore sintering process. <i>Metallurgical Research and Technology</i> , 2016, 113, 107.	0.7	5
26	Mechanism of Selective Desulphurization in Iron Ore Sintering Process by Adding Urea. <i>High Temperature Materials and Processes</i> , 2017, 36, 183-188.	1.4	5
27	Performance evaluation of urea injection on the emission reduction of dioxins and furans in a commercial municipal solid waste incinerator. <i>Chemical Engineering Research and Design</i> , 2021, 146, 577-585.	5.6	5
28	Influence of the Gangue Compositions on the Reduction Swelling Index of Hematite Briquettes. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2021, 52, 2139-2150.	2.1	4
29	Consolidation mechanism of fluxed hematite pellets. <i>Journal of Iron and Steel Research International</i> , 2022, 29, 1526-1534.	2.8	4
30	Oxidizing Roasting Performances of Coke Fines Bearing Brazilian Specularite Pellets. <i>High Temperature Materials and Processes</i> , 2016, 35, 615-620.	1.4	3
31	Study on the effects of catalyst on combustion characteristics of pulverized coal. <i>Metallurgical Research and Technology</i> , 2017, 114, 104.	0.7	3
32	Effects of gangue compositions on reduction process of carbon-bearing iron ore pellets. <i>Journal of Iron and Steel Research International</i> , 2018, 25, 1105-1112.	2.8	3
33	Catalytic Combustion of Chlorobenzene with VO <sub>x</sub> /CeO <sub>2</sub> Catalysts: Influence of Catalyst Synthesis Method. <i>International Journal of Chemical Reactor Engineering</i> , 2019, 17, .	1.1	3
34	Study of Catalytic Combustion of Dioxins on Ce-V-Ti Catalysts Modified by Graphene Oxide in Simulating Iron Ore Sintering Flue Gas. <i>Materials</i> , 2020, 13, 125.	2.9	3
35	Notice of Retraction: Research on the Utilization of Pyrite Cinder in Iron Ore Pellets. , 2011, , .		2
36	Preparation of Direct Reduction Sponge Iron (DRI) Using Pyrite Cinder Containing Nonferrous Metals. <i>High Temperature Materials and Processes</i> , 2017, 36, 971-978.	1.4	2

#	ARTICLE	IF	CITATIONS
37	Determination method of high-temperature characteristics of iron-ore sintering based on $n(\text{Fe}_2\text{O}_3)/n(\text{CaO})$ . Journal of Iron and Steel Research International, 2019, 26, 1257-1264.	2.8	2
38	Effects of mill scales on the combustion characteristics of pulverized coals. Metallurgical Research and Technology, 2017, 114, 514.	0.7	0
39	Study on the Desulfuration of Pyrite Cinder Pellets. , 0, , 473-479.		0