Reduction Kinetics and Catastrophic Swelling of MnO2-
1073-1373 K

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Citation Report

#	Article	IF	Citations
1	Influence of SiO₂ and/or MnO₂ on the Reduction Behaviour and Structure Changes of Fe₂O₃ Compacts with CO Gas. ISIJ International, 2008, 48, 1359-1367.	1.4	29
2	Influence of Manganese Oxide and Silica on the Morphological Structure of Hematite Compacts. Steel Research International, 2010, 81, 178-185.	1.8	11
3	Dynamic and Isothermal Reduction Swelling Behaviour of Olivine and Acid Iron Ore Pellets under Simulated Blast Furnace Shaft Conditions. ISIJ International, 2012, 52, 1257-1265.	1.4	22
4	Effects of Reducing Gas on Swelling and Iron Whisker Formation during the Reduction of Iron Oxide Compact. Steel Research International, 2012, 83, 903-909.	1.8	31
5	Factorial design analysis of reduction of simulated iron ore sinter reduced with CO gas at 1000â€“1100Â°C. Ironmaking and Steelmaking, 2015, 42, 311-319.	2.1	8
6	Investigations on the MnO2-Fe2O3 system roasted in air atmosphere. Advanced Powder Technology, 2017, 28, 2167-2176.	4.1	23
7	A study on the carbonization and alloying process of MnO2 by methane-hydrogen gas mixture in the presence of Fe2O3. Powder Technology, 2018, 325, 271-279.	4.2	17
8	A Model for the Reduction of Metal Oxides by Carbon Monoxide. ISIJ International, 2018, 58, 585-593.	1.4	9
9	Effect of the firing temperature and the added MgO on the reduction swelling index of the pellet with low SiO₂ content. Ironmaking and Steelmaking, 2018, 45, 83-89.	2.1	14
10	Extraction and separation of manganese and iron from ferruginous manganese ores: A review. Minerals Engineering, 2019, 131, 286-303.	4.3	94
11	A further investigation on the MnO2-Fe2O3 system roasted under CO-CO2 atmosphere. Advanced Powder Technology, 2019, 30, 302-310.	4.1	19
12	Review and data evaluation for high-temperature reduction of iron oxide particles in suspension. Ironmaking and Steelmaking, 2020, 47, 741-747.	2.1	16
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14	Individual enrichment of manganese and iron from complex refractory ferromanganese ore by suspension magnetization roasting and magnetic separation. Powder Technology, 2020, 373, 689-701.	4.2	19
15	Effect of K and Na on reduction swelling performance of oxidized roasted briquettes. High Temperature Materials and Processes, 2021, 40, 241-252.	1.4	6
16	Mineralogical Characterization and Optimization of Fe and Mn Through Roast-Leaching of Ferromanganese Ore. Mining, Metallurgy and Exploration, 2021, 38, 1509-1523.	0.8	0
17	Effect of CaF2 on the Reduction Swelling Properties of Iron Ore Briquettes in Different Reduction Stages. Mining, Metallurgy and Exploration, 2021, 38, 1711-1720.	0.8	1
18	Research on Roasting Characteristics and Reduction Behavior of Pellets. Metallurgical Engineering, 2020, 07, 77-82.	0.0	0

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19	Phase transition mechanism of the solid-state reaction of two variable-valence metal oxides: Cobalt and manganese oxides. Journal of Alloys and Compounds, 2023, 960, 170855.	5.5	0
20	Characteristics and applications of iron oxide reduction processes. Polish Journal of Chemical Technology, 2023, 25, 81-92.	0.5	0