Ashish Agrawal

List of Publications by Year
in descending order

20 papers	208 citations	1307594 7 h-index	1058476 14 g-index
21 all docs	21 docs citations	21 times ranked	146 citing authors

#	Article	IF	Citations
1	Optimum Pellet Basicity Desirable for Blast Furnace Operation. Journal of the Institution of Engineers (India): Series D, 2021, 102, 87-93.	1.0	4
2	FactSage Studies to Identify the Optimum Slag Regime for Blast Furnace Operation. Transactions of the Indian Institute of Metals, 2021, 74, 419-428.	1.5	6
3	Drainage rate and hearth liquid level estimation in absence of direct measurements in blast furnace. Ironmaking and Steelmaking, 2020, 47, 328-336.	2.1	3
4	Improving the burdening practice by optimization of raw flux calculation in blast furnace burden. Ironmaking and Steelmaking, 2020, 47, 271-283.	2.1	3
5	Preparation of Cuâ€"Alâ€"Ni shape memory alloy strips by spray deposition-hot rollingÂroute. Materials Science and Technology, 2020, 36, 1337-1348.	1.6	9
6	Means to cope with the higher alumina burden in the blast furnace. Ironmaking and Steelmaking, 2020, 47, 238-245.	2.1	7
7	Technological advancements in evaluating the performance of the pulverized coal injection through tuyeres in blast furnace. Metallurgical Research and Technology, 2020, 117, 611.	0.7	6
8	Advances in thermal level measurement techniques using mathematical models, statistical models and decision support systems in blast furnace. Metallurgical Research and Technology, 2019, 116, 421.	0.7	4
9	Effect of Hearth Liquid Level on the Productivity of Blast Furnace. Transactions of the Indian Institute of Metals, 2019, 72, 867-876.	1.5	4
10	A review on liquid level measurement techniques using mathematical models and field sensors in blast furnace. Metallurgical Research and Technology, 2019, 116, 307.	0.7	8
11	Blast Furnace Performance Under Varying Pellet Proportion. Transactions of the Indian Institute of Metals, 2019, 72, 777-787.	1.5	13
12	A mathematical model to control thermal stability of blast furnace using proactive thermal indicator. Ironmaking and Steelmaking, 2019, 46, 133-140.	2.1	13
13	A real-time ferroalloy model for the optimum ladle furnace treatment during the secondary steelmaking. Ironmaking and Steelmaking, 2019, 46, 211-220.	2.1	7
14	Combustion control system for coke ovens embedded with auto positioning systems. Ironmaking and Steelmaking, 2019, 46, 320-334.	2.1	1
15	Improvement in casting practice by controlling the drainage rate and hearth liquid level to develop an efficient casthouse management practice in blast furnace. Ironmaking and Steelmaking, 2019, 46, 373-382.	2.1	11
16	Methods of fabricating Cu-Al-Ni shape memory alloys. Journal of Alloys and Compounds, 2018, 750, 235-247.	5.5	71
17	Processing of Cuâ€"Alâ€"Ni Alloy by Spray Atomization and Deposition Process. Transactions of the Indian Institute of Metals, 2018, 71, 2541-2552.	1.5	2
18	Real-time blast furnace hearth liquid level monitoring system. Ironmaking and Steelmaking, 2016, 43, 550-558.	2.1	30

#	Article	IF	Citations
19	A novel method to detect the water leakage from tuyere nose cooling circuit in blast furnace. Ironmaking and Steelmaking, 2016, 43, 744-751.	2.1	5
20	Optimizing the Metallurgical Properties of Pellets Through Operational Trial Using Inconel Basket. Mining, Metallurgy and Exploration, 0, , .	0.8	0