

# Ashish Agrawal

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5052734/publications.pdf>

Version: 2024-02-01

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	Methods of fabricating Cu-Al-Ni shape memory alloys. Journal of Alloys and Compounds, 2018, 750, 235-247.	5.5	71
2	Real-time blast furnace hearth liquid level monitoring system. Ironmaking and Steelmaking, 2016, 43, 550-558.	2.1	30
3	Blast Furnace Performance Under Varying Pellet Proportion. Transactions of the Indian Institute of Metals, 2019, 72, 777-787.	1.5	13
4	A mathematical model to control thermal stability of blast furnace using proactive thermal indicator. Ironmaking and Steelmaking, 2019, 46, 133-140.	2.1	13
5	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
6	Preparation of Cu-Al-Ni shape memory alloy strips by spray deposition-hot rolling route. Materials Science and Technology, 2020, 36, 1337-1348.	1.6	9
7	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
8	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
9	Means to cope with the higher alumina burden in the blast furnace. Ironmaking and Steelmaking, 2020, 47, 238-245.	2.1	7
10	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
11	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
12	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
13	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
14	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
15	Optimum Pellet Basicity Desirable for Blast Furnace Operation. Journal of the Institution of Engineers (India): Series D, 2021, 102, 87-93.	1.0	4
16	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
17	Improving the burdening practice by optimization of raw flux calculation in blast furnace burden. Ironmaking and Steelmaking, 2020, 47, 271-283.	2.1	3
18	Processing of Cu-Al-Ni Alloy by Spray Atomization and Deposition Process. Transactions of the Indian Institute of Metals, 2018, 71, 2541-2552.	1.5	2

#	ARTICLE	IF	CITATIONS
19	Combustion control system for coke ovens embedded with auto positioning systems. Ironmaking and Steelmaking, 2019, 46, 320-334.	2.1	1
20	Optimizing the Metallurgical Properties of Pellets Through Operational Trial Using Inconel Basket. Mining, Metallurgy and Exploration, 0, , .	0.8	0