

# Rob Boom

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

409  
citations

840776

11  
h-index

752698

20  
g-index

24  
all docs

24  
docs citations

24  
times ranked

294  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sulphur removal in ironmaking and oxygen steelmaking. <i>Ironmaking and Steelmaking</i> , 2017, 44, 333-343.	2.1	77
2	Thermal Decomposition Behaviour of Fine Iron Ore Particles. <i>ISIJ International</i> , 2014, 54, 2196-2205.	1.4	53
3	Reduction Kinetics of Fine Hematite Ore Particles with a High Temperature Drop Tube Furnace. <i>ISIJ International</i> , 2015, 55, 952-960.	1.4	49
4	Melting and Reduction Behaviour of Individual Fine Hematite Ore Particles. <i>ISIJ International</i> , 2015, 55, 149-157.	1.4	39
5	High-Temperature Mechanical Behavior and Fracture Analysis of a Low-Carbon Steel Related to Cracking. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012, 43, 5048-5057.	2.2	34
6	Advanced Process Modelling of Hot Metal Desulphurisation by Injection of Mg and CaO. <i>ISIJ International</i> , 2006, 46, 1771-1777.	1.4	22
7	Gas Permeability in Cohesive Zone in the Ironmaking Blast Furnace. <i>ISIJ International</i> , 2017, 57, 1531-1536.	1.4	20
8	Phase Equilibria in the $\text{Na}_2\text{O}-\text{CaO}-\text{SiO}_2$ System. <i>Journal of the American Ceramic Society</i> , 2011, 94, 3088-3093.	3.8	19
9	Optimal hot metal desulphurisation slag considering iron loss and sulphur removal capacity part I: fundamentals. <i>Ironmaking and Steelmaking</i> , 2021, 48, 1-13.	2.1	16
10	Effect of Nut Coke Addition on Physicochemical Behaviour of Pellet Bed in Ironmaking Blast Furnace. <i>ISIJ International</i> , 2019, 59, 778-786.	1.4	12
11	Characterization of the burden behaviour of iron ore pellets mixed with nut coke under simulated blast furnace conditions. <i>Ironmaking and Steelmaking</i> , 2020, 47, 195-202.	2.1	11
12	Evolution of Published Research on Molten Slags and Fluxes in the Second Millennium. <i>Steel Research International</i> , 2013, 84, 623-630.	1.8	10
13	Melting Behaviour of Iron Ore Pellet Bed under Nut Coke Mixed Charge Conditions. <i>ISIJ International</i> , 2020, 60, 451-462.	1.4	9
14	Flow Control in the Thin Slab Mould at the Corus Direct Sheet Plant. <i>Steel Research International</i> , 2003, 74, 716-723.	1.8	6
15	Lowering iron losses during slag removal in hot metal desulphurisation without using fluoride. <i>Ironmaking and Steelmaking</i> , 2020, 47, 464-472.	2.1	6
16	A comparative study of pellets, sinter and mixed ferrous burden behaviour under simulated blast furnace conditions. <i>Ironmaking and Steelmaking</i> , 2021, 48, 359-369.	2.1	6
17	Optimal hot metal desulphurisation slag considering iron loss and sulphur removal capacity part II: evaluation. <i>Ironmaking and Steelmaking</i> , 2021, 48, 14-24.	2.1	6
18	Degradation behavior of epoxy resins in fibre metal laminates under thermal conditions. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2012, 17, 257-262.	0.9	4

#	ARTICLE	IF	CITATIONS
19	Thermal degradation behaviour of resins in aluminium composite under isothermal condition. Polymer Testing, 2017, 61, 448-454.	4.8	3
20	The Hampering Effect of Precipitated Carbon on Hot Metal Desulfurization with Magnesium. Steel Research International, 2020, 91, 1900441.	1.8	3
21	Recycling of aluminum from fibre metal laminates. Journal of Shanghai Jiaotong University (Science), 2012, 17, 263-267.	0.9	2
22	Ferrous burden behaviour under nut coke mixed charge conditions. Ironmaking and Steelmaking, 2020, 47, 1114-1126.	2.1	2
23	Desulfurization of High-Sulfur HIsarna Hot Metal. Steel Research International, 0, , 2100398.	1.8	0