

Chenna Rao Borra

List of Publications by Year in descending order

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516710

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docs citations

23
times ranked

1143
citing authors

#	ARTICLE	IF	CITATIONS
1	Leaching of rare earths from bauxite residue (red mud). Minerals Engineering, 2015, 76, 20-27.	4.3	368
2	Recovery of Rare Earths and Other Valuable Metals From Bauxite Residue (Red Mud): A Review. Journal of Sustainable Metallurgy, 2016, 2, 365-386.	2.3	231
3	Selective recovery of rare earths from bauxite residue by combination of sulfation, roasting and leaching. Minerals Engineering, 2016, 92, 151-159.	4.3	140
4	Smelting of Bauxite Residue (Red Mud) in View of Iron and Selective Rare Earths Recovery. Journal of Sustainable Metallurgy, 2016, 2, 28-37.	2.3	126
5	Recycling of NdFeB Magnets Using Sulfation, Selective Roasting, and Water Leaching. Journal of Sustainable Metallurgy, 2015, 1, 199-215.	2.3	104
6	Recovery of scandium from leachates of Greek bauxite residue by adsorption on functionalized chitosan-silica hybrid materials. Green Chemistry, 2016, 18, 2005-2013.	9.0	95
7	Recovery of scandium from sulfation-roasted leachates of bauxite residue by solvent extraction with the ionic liquid betainium bis(trifluoromethylsulfonyl)imide. Separation and Purification Technology, 2017, 176, 208-219.	7.9	85
8	Hydrometallurgical recycling of NdFeB magnets: Complete leaching, iron removal and electrolysis. Journal of Rare Earths, 2017, 35, 574-584.	4.8	69
9	Recovery of Rare Earths and Major Metals from Bauxite Residue (Red Mud) by Alkali Roasting, Smelting, and Leaching. Journal of Sustainable Metallurgy, 2017, 3, 393-404.	2.3	65
10	Recycling of NdFeB magnets using nitration, calcination and water leaching for REE recovery. Hydrometallurgy, 2017, 167, 115-123.	4.3	61
11	Recovery of Cerium from Glass Polishing Waste: A Critical Review. Metals, 2018, 8, 801.	2.3	39
12	Neutralisation of bauxite residue by carbon dioxide prior to acidic leaching for metal recovery. Minerals Engineering, 2017, 112, 92-102.	4.3	37
13	Direct reduction of low grade chromite overburden for recovery of metals. Ironmaking and Steelmaking, 2011, 38, 590-596.	2.1	28
14	Development of Cold Bonded Chromite Pellets for Ferrochrome Production in Submerged Arc Furnace. ISIJ International, 2013, 53, 9-17.	1.4	22
15	Modification of oxide inclusions in calcium-treated Al-killed high sulphur steels. Ironmaking and Steelmaking, 2019, 46, 663-670.	2.1	22
16	Comparative Analysis of Processes for Recovery of Rare Earths from Bauxite Residue. Jom, 2016, 68, 2958-2962.	1.9	18
17	Effect of alumina on slag-metal separation during iron nugget formation from high alumina Indian iron ore fines. Ironmaking and Steelmaking, 2013, 40, 443-451.	2.1	12
18	Recovery of rare earths from glass polishing waste for the production of aluminium-rare earth alloys. Resources, Conservation and Recycling, 2021, 174, 105766.	10.8	12

#	ARTICLE	IF	CITATIONS
19	Investigation on Stabilization of Ladle Furnace Slag with Different Additives. Journal of Sustainable Metallurgy, 2020, 6, 121-131.	2.3	8
20	Characterization and Feasibility Studies on Complete Recovery of Rare Earths from Glass Polishing Waste. Metals, 2019, 9, 278.	2.3	5
21	Hydrometallurgical Production of Electrolytic Manganese Dioxide (EMD) from Furnace Fines. Minerals (Basel, Switzerland), 2021, 11, 712.	2.0	5
22	Recovery of Rare Earths from Bauxite Residue (Red Mud). World Scientific Series in Current Energy Issues, 2019, , 343-356.	0.1	3
23	Elimination of Fluorspar Use and Reduction in Lime Consumption at Ladle Furnace by Reutilizing Alumina-Rich Ladle Furnace Slag. Journal of Sustainable Metallurgy, 2022, 8, 398-408.	2.3	3