

Pratima Meshram

List of Publications by Year in descending order

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22
papers

2,401
citations

471371

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docs citations

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times ranked

1994
citing authors

#	ARTICLE	IF	CITATIONS
1	Extraction of lithium from primary and secondary sources by pre-treatment, leaching and separation: A comprehensive review. <i>Hydrometallurgy</i> , 2014, 150, 192-208.	1.8	589
2	Hydrometallurgical processing of spent lithium ion batteries (LIBs) in the presence of a reducing agent with emphasis on kinetics of leaching. <i>Chemical Engineering Journal</i> , 2015, 281, 418-427.	6.6	404
3	Recovery of valuable metals from cathodic active material of spent lithium ion batteries: Leaching and kinetic aspects. <i>Waste Management</i> , 2015, 45, 306-313.	3.7	237
4	Environmental impact of spent lithium ion batteries and green recycling perspectives by organic acids – A review. <i>Chemosphere</i> , 2020, 242, 125291.	4.2	166
5	Demineralization of low grade coal – A review. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 41, 745-761.	8.2	133
6	Overview On Extraction and Separation of Rare Earth Elements from Red Mud: Focus on Scandium. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2018, 39, 145-151.	2.6	112
7	Advanced Review on Extraction of Nickel from Primary and Secondary Sources. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2019, 40, 157-193.	2.6	102
8	Process optimization and kinetics for leaching of rare earth metals from the spent Ni–metal hydride batteries. <i>Waste Management</i> , 2016, 51, 196-203.	3.7	99
9	Comparison of Different Reductants in Leaching of Spent Lithium Ion Batteries. <i>Jom</i> , 2016, 68, 2613-2623.	0.9	88
10	Metallurgical processes for the recovery and recycling of lanthanum from various resources – A review. <i>Hydrometallurgy</i> , 2016, 160, 47-59.	1.8	79
11	Removal of chromium(III) by cation exchange resin, Indion 790 for tannery waste treatment. <i>Hydrometallurgy</i> , 2009, 99, 170-174.	1.8	77
12	Acid baking of spent lithium ion batteries for selective recovery of major metals: A two-step process. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 43, 117-126.	2.9	76
13	Perspective of availability and sustainable recycling prospects of metals in rechargeable batteries – A resource overview. <i>Resources Policy</i> , 2019, 60, 9-22.	4.2	53
14	Leaching of base metals from spent Ni–metal hydride batteries with emphasis on kinetics and characterization. <i>Hydrometallurgy</i> , 2015, 158, 172-179.	1.8	51
15	Two stage leaching process for selective metal extraction from spent nickel metal hydride batteries. <i>Journal of Cleaner Production</i> , 2017, 157, 322-332.	4.6	51
16	Recovery and Recycling of Cerium from Primary and Secondary Resources- a Critical Review. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2020, 41, 279-310.	2.6	36
17	Low temperature hydrothermal synthesis and characterization of iron oxide powders of diverse morphologies from spent pickle liquor. <i>Powder Technology</i> , 2015, 276, 214-221.	2.1	25
18	Solvent Extraction for Separation of 99.9% Pure Cobalt and Recovery of Li, Ni, Fe, Cu, Al from Spent LIBs. <i>Metals</i> , 2022, 12, 1056.	1.0	8

#	ARTICLE	IF	CITATIONS
19	An overview on chemical processes for synthesis of graphene from waste carbon resources. Carbon Letters, 2022, 32, 653-669.	3.3	6
20	Extraction of vanadium and synthesis of vanadium pentaoxide from Bayer's sludge. Russian Journal of Non-Ferrous Metals, 2016, 57, 338-346.	0.2	4
21	Green process for recovery of vanadium from hazardous spent contact process catalyst by oxalic acid: kinetics and mechanism. Separation Science and Technology, 2021, 56, 3183-3200.	1.3	3
22	Application of Hydrodynamics Using CFD in Evaluating Efficacy of External Loop Air-lift Reactor Biochemical Leaching of Sea Nodules. Mineral Processing and Extractive Metallurgy Review, 0, , 1-7.	2.6	2