

Ehsan Vahidi

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,334
citations

471509

17
h-index

552781

26
g-index

36
all docs

36
docs citations

36
times ranked

1250
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | Recovery of lithium and cobalt from spent lithium-ion batteries using organic acids: Process optimization and kinetic aspects. <i>Waste Management</i> , 2017, 64, 244-254. | 7.4 | 248 |
| 2 | Leaching of vanadium from LD converter slag using sulfuric acid. <i>Hydrometallurgy</i> , 2010, 102, 14-21. | 4.3 | 172 |
| 3 | Techno-economic and Life Cycle Analysis for Bioleaching Rare-Earth Elements from Waste Materials. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 1602-1609. | 6.7 | 98 |
| 4 | Comparative life cycle analysis for value recovery of precious metals and rare earth elements from electronic waste. <i>Resources, Conservation and Recycling</i> , 2019, 149, 20-30. | 10.8 | 95 |
| 5 | Behind the Scenes of Clean Energy: The Environmental Footprint of Rare Earth Products. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 3311-3320. | 6.7 | 87 |
| 6 | Recovery of zinc from an industrial zinc leach residue by solvent extraction using D2EHPA. <i>Minerals Engineering</i> , 2009, 22, 204-206. | 4.3 | 86 |
| 7 | An initial life cycle assessment of rare earth oxides production from ion-adsorption clays. <i>Resources, Conservation and Recycling</i> , 2016, 113, 1-11. | 10.8 | 81 |
| 8 | Environmental life cycle assessment on the separation of rare earth oxides through solvent extraction. <i>Journal of Environmental Management</i> , 2017, 203, 255-263. | 7.8 | 69 |
| 9 | Environmental life cycle analysis of pipe materials for sewer systems. <i>Sustainable Cities and Society</i> , 2016, 27, 167-174. | 10.4 | 54 |
| 10 | Selective separation of nickel and cadmium from sulfate solutions of spent nickel-cadmium batteries using mixtures of D2EHPA and Cyanex 302. <i>Journal of Power Sources</i> , 2014, 247, 127-133. | 7.8 | 46 |
| 11 | Review and new life cycle assessment for rare earth production from bastnäs site, ion adsorption clays and lateritic monazite. <i>Resources, Conservation and Recycling</i> , 2020, 155, 104675. | 10.8 | 44 |
| 12 | Selective recovery and separation of nickel and vanadium in sulfate media using mixtures of D2EHPA and Cyanex 272. <i>Separation and Purification Technology</i> , 2014, 136, 265-273. | 7.9 | 41 |
| 13 | Recovery of manganese from electric arc furnace dust of ferromanganese production units by reductive leaching. <i>Minerals Engineering</i> , 2011, 24, 174-176. | 4.3 | 35 |
| 14 | Comparative Life Cycle Analysis of Materials in Wastewater Piping Systems. <i>Procedia Engineering</i> , 2015, 118, 1177-1188. | 1.2 | 22 |
| 15 | Assessing the environmental footprint of the production of rare earth metals and alloys via molten salt electrolysis. <i>Resources, Conservation and Recycling</i> , 2018, 139, 178-187. | 10.8 | 22 |
| 16 | Investigating the Synergistic Effect of D2EHPA and Cyanex 302 on Zinc and Manganese Separation. <i>Separation Science and Technology</i> , 2010, 45, 1158-1164. | 2.5 | 20 |
| 17 | Characterization of contaminant leaching from asphalt pavements: A critical review of measurement methods, reclaimed asphalt pavement, porous asphalt, and waste-modified asphalt mixtures. <i>Water Research</i> , 2022, 219, 118584. | 11.3 | 19 |
| 18 | Recovery of zinc from leach residues with minimum iron dissolution using oxidative leaching. <i>Waste Management and Research</i> , 2011, 29, 165-171. | 3.9 | 15 |

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 19 | The role of concrete in life cycle greenhouse gas emissions of US buildings and pavements. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 7.1 | 15 |
| 20 | Regional variation of greenhouse gas mitigation strategies for the United States building sector. Applied Energy, 2021, 302, 117527. | 10.1 | 12 |
| 21 | Value recovery from spent lithium-ion batteries: A review on technologies, environmental impacts, economics, and supply chain. Clean Technologies and Recycling, 2021, 1, 152-184. | 2.8 | 12 |
| 22 | Life Cycle Analysis for Solvent Extraction of Rare Earth Elements from Aqueous Solutions. , 2016, , 113-120. | | 8 |
| 23 | The Influence of Anode Composition on Energy Consumption and Current Efficiency in Zinc Electrowinning. Journal of the Electrochemical Society, 2017, 164, E166-E172. | 2.9 | 8 |
| 24 | Dual functionality of mixed Cu-based two-dimensional (2D) heterostructures derived from electronic waste. Green Chemistry, 2021, 23, 5511-5523. | 9.0 | 5 |
| 25 | Optimization and dissolution kinetics of vanadium recovery from LD converter slag in alkaline media. Russian Journal of Non-Ferrous Metals, 2016, 57, 395-404. | 0.6 | 4 |
| 26 | Effect of Additives on Kinetics of Liquid-Liquid Extraction in a ZnSO ₄ /D2EHPA/Kerosene System. Canadian Metallurgical Quarterly, 2010, 49, 235-240. | 1.2 | 3 |
| 27 | Modeling of synergistic effect of Cyanex 302 and D2EHPA on separation of nickel and cadmium from sulfate leach liquors of spent Ni-Cd batteries. , 2013, , 262-271. | | 2 |
| 28 | Effect of Additives on Kinetics of Liquid-Liquid Extraction in a ZnSO ₄ /D2EHPA/Kerosene System. Canadian Metallurgical Quarterly, 2010, 49, 235-240. | 1.2 | 1 |
| 29 | Potential of Steelmaking Slag as New Phosphorous Resource in Terms of Total Materials Requirement. , 2013, , 238-239. | | 0 |