

Ehsan Vahidi

List of Publications by Year in descending order

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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	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
2	Dual functionality of mixed Cu-based two-dimensional (2D) heterostructures derived from electronic waste. <i>Green Chemistry</i> , 2021, 23, 5511-5523.	9.0	5
3	The role of concrete in life cycle greenhouse gas emissions of US buildings and pavements. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	15
4	Regional variation of greenhouse gas mitigation strategies for the United States building sector. <i>Applied Energy</i> , 2021, 302, 117527.	10.1	12
5	Value recovery from spent lithium-ion batteries: A review on technologies, environmental impacts, economics, and supply chain. <i>Clean Technologies and Recycling</i> , 2021, 1, 152-184.	2.8	12
6	Review and new life cycle assessment for rare earth production from bastn�site, ion adsorption clays and lateritic monazite. <i>Resources, Conservation and Recycling</i> , 2020, 155, 104675.	10.8	44
7	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
8	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
9	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
10	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
11	The Influence of Anode Composition on Energy Consumption and Current Efficiency in Zinc Electrowinning. <i>Journal of the Electrochemical Society</i> , 2017, 164, E166-E172.	2.9	8
12	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
13	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
14	Life Cycle Analysis for Solvent Extraction of Rare Earth Elements from Aqueous Solutions. , 2016, , 113-120.		8
15	Environmental life cycle analysis of pipe materials for sewer systems. <i>Sustainable Cities and Society</i> , 2016, 27, 167-174.	10.4	54
16	Optimization and dissolution kinetics of vanadium recovery from LD converter slag in alkaline media. <i>Russian Journal of Non-Ferrous Metals</i> , 2016, 57, 395-404.	0.6	4
17	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
18	Comparative Life Cycle Analysis of Materials in Wastewater Piping Systems. <i>Procedia Engineering</i> , 2015, 118, 1177-1188.	1.2	22

#	ARTICLE	IF	CITATIONS
19	Selective recovery and separation of nickel and vanadium in sulfate media using mixtures of D2EHPA and Cyanex 272. Separation and Purification Technology, 2014, 136, 265-273.	7.9	41
20	Selective separation of nickel and cadmium from sulfate solutions of spent nickel-cadmium batteries using mixtures of D2EHPA and Cyanex 302. Journal of Power Sources, 2014, 247, 127-133.	7.8	46
21	Potential of Steelmaking Slag as New Phosphorous Resource in Terms of Total Materials Requirement. , 2013, , 238-239.		0
22	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
23	Recovery of manganese from electric arc furnace dust of ferromanganese production units by reductive leaching. Minerals Engineering, 2011, 24, 174-176.	4.3	35
24	Recovery of zinc from leach residues with minimum iron dissolution using oxidative leaching. Waste Management and Research, 2011, 29, 165-171.	3.9	15
25	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
26	Leaching of vanadium from LD converter slag using sulfuric acid. Hydrometallurgy, 2010, 102, 14-21.	4.3	172
27	Investigating the Synergistic Effect of D2EHPA and Cyanex 302 on Zinc and Manganese Separation. Separation Science and Technology, 2010, 45, 1158-1164.	2.5	20
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	Recovery of zinc from an industrial zinc leach residue by solvent extraction using D2EHPA. Minerals Engineering, 2009, 22, 204-206.	4.3	86