

Gil-Jae Yim

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

405
citations

840585

11
h-index

752573

20
g-index

31
all docs

31
docs citations

31
times ranked

394
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative effectiveness of mixed organic substrates to mushroom compost for treatment of mine drainage in passive bioreactors. <i>Chemosphere</i> , 2011, 83, 76-82.	4.2	55
2	Pilot-scale passive bioreactors for the treatment of acid mine drainage: Efficiency of mushroom compost vs. mixed substrates for metal removal. <i>Journal of Environmental Management</i> , 2012, 111, 150-158.	3.8	46
3	Treatment of acidic coal mine drainage: design and operational challenges of successive alkalinity producing systems. <i>Mine Water and the Environment</i> , 2008, 27, 12-19.	0.9	34
4	An engineered cover system for mine tailings using a hardpan layer: A solidification/stabilization method for layer and field performance evaluation. <i>Journal of Hazardous Materials</i> , 2011, 197, 153-160.	6.5	30
5	Study on electrocoagulation parameters (current density, pH, and electrode distance) for removal of fluoride from groundwater. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	29
6	The influences of the amount of organic substrate on the performance of pilot-scale passive bioreactors for acid mine drainage treatment. <i>Environmental Earth Sciences</i> , 2015, 73, 4717-4727.	1.3	26
7	Water defluorination using granular composite synthesized via hydrothermal treatment of polyaluminum chloride (PAC) sludge. <i>Chemosphere</i> , 2020, 247, 125899.	4.2	22
8	Performance of Mixed Organic Substrates during Treatment of Acidic and Moderate Mine Drainage in Column Bioreactors. <i>Journal of Environmental Engineering, ASCE</i> , 2012, 138, 1077-1084.	0.7	21
9	Field application of selective precipitation for recovering Cu and Zn in drainage discharged from an operating mine. <i>Science of the Total Environment</i> , 2016, 557-558, 212-220.	3.9	21
10	Applicability of electrochemical wastewater treatment system powered by temperature difference energy. <i>Journal of Hazardous Materials</i> , 2018, 351, 108-116.	6.5	14
11	Zirconia-Assisted Pyrolysis of Coffee Waste in CO ₂ Environment for the Simultaneous Production of Fuel Gas and Composite Adsorbent. <i>Journal of Hazardous Materials</i> , 2020, 386, 121989.	6.5	13
12	ARD generation and corrosion potential of exposed roadside rockmass at Boeun and Mujoo, South Korea. <i>Environmental Geology</i> , 2007, 52, 1033-1043.	1.2	11
13	Performance and bacterial communities of successive alkalinity-producing systems (SAPSs) in passive treatment processes treating mine drainages differing in acidity and metal levels. <i>Environmental Science and Pollution Research</i> , 2014, 21, 3722-3732.	2.7	11
14	Efficiency assessment of cascade aerator in a passive treatment system for Fe(II) oxidation in ferruginous mine drainage of net alkaline. <i>Environmental Earth Sciences</i> , 2015, 73, 5363-5373.	1.3	11
15	Study on distribution characteristics of some water parameters properties of mine drainage in an oxidation pond, Hwangji-Yuchang coal mine, South Korea. <i>Environmental Earth Sciences</i> , 2013, 68, 241-249.	1.3	10
16	Seasonal effects of rainwater infiltration on volumetric water Content and water quality in mine wastes at the Gyopung mine, South Korea. <i>Journal of Geochemical Exploration</i> , 2012, 116-117, 8-16.	1.5	9
17	Evaluation of net acid generation pH as a single indicator for acid forming potential of rocks using geochemical properties. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 165.	1.3	8
18	Evaluation of design factors for a cascade aerator to enhance the efficiency of an oxidation pond for ferruginous mine drainage. <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 2483-2493.	1.2	7

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19	Water quality changes of a closed underground coal mine in Korea. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 503-513.	1.3	6
20	Longevity of organic layers of vertical flow ponds for sulfate reduction in treating mine drainages in South Korea. <i>Environmental Geochemistry and Health</i> , 2012, 34, 115-121.	1.8	4
21	Assessment of the potential occurrence of acid rock drainage through a geochemical stream sediment survey. <i>Environmental Earth Sciences</i> , 2015, 73, 3375-3386.	1.3	3
22	Reliability improvement for predicting acid-forming potential of rock samples using static tests. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 207.	1.3	3
23	An investigation into precipitate behaviour for effective operation of settling tanks through selective precipitation. <i>Water and Environment Journal</i> , 2018, 32, 527-536.	1.0	3
24	Treatment of Selective Sequential Precipitation for Recovering Fe and Al From Mine Water an Abandoned Coal Mine. <i>Journal of the Korean Society of Mineral and Energy Resources Engineers</i> , 2017, 54, 215-222.	0.1	2
25	Computational study on flow characteristics of acid mine drainage in oxidation pond with asymmetric and inclined shape. <i>Environmental Earth Sciences</i> , 2014, 72, 757-766.	1.3	1
26	A Review of the Regeneration Models using a Closed Stone Quarry Area through Domestic and Overseas Cases. <i>Journal of the Korean Society of Mineral and Energy Resources Engineers</i> , 2021, 58, 237-248.	0.1	1
27	Fabrication of aluminum beads derived from selectively recovered Al-rich precipitates and their application into defluoridation. <i>Environmental Science and Pollution Research</i> , 2022, 29, 999-1008.	2.7	1
28	Water Quality and Methane Emission Characteristics of Aerobic Wetlands Constructed in Coal Mine Area. <i>Journal of the Korean Society of Mineral and Energy Resources Engineers</i> , 2018, 55, 371-382.	0.1	1