

# Gil-Jae Yim

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

28

papers

309

citations

11

h-index

16

g-index

31

ext. papers

359

ext. citations

4.7

avg. IF

3.08

L-index

#	Paper	IF	Citations
28	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> , <b>2021</b> , 58, 237-248	0.2	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> , <b>2021</b> , 1	5.1	0
26	Zirconia-Assisted Pyrolysis of Coffee Waste in CO Environment for the Simultaneous Production of Fuel Gas and Composite Adsorbent. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 386, 121989	12.8	8
25	Water defluorination using granular composite synthesized via hydrothermal treatment of polyaluminum chloride (PAC) sludge. <i>Chemosphere</i> , <b>2020</b> , 247, 125899	8.4	11
24	An investigation into precipitate behaviour for effective operation of settling tanks through selective precipitation. <i>Water and Environment Journal</i> , <b>2018</b> , 32, 527-536	1.7	3
23	Applicability of electrochemical wastewater treatment system powered by temperature difference energy. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 351, 108-116	12.8	11
22	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> , <b>2018</b> , 55, 371-382	0.2	1
21	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> , <b>2017</b> , 189, 165	3.1	6
20	Reliability improvement for predicting acid-forming potential of rock samples using static tests. <i>Environmental Monitoring and Assessment</i> , <b>2017</b> , 189, 207	3.1	2
19	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> , <b>2017</b> , 54, 215-222	0.2	2
18	Study on electrocoagulation parameters (current density, pH, and electrode distance) for removal of fluoride from groundwater. <i>Environmental Earth Sciences</i> , <b>2016</b> , 75, 1	2.9	23
17	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> , <b>2016</b> , 37, 2483-93	2.6	7
16	Field application of selective precipitation for recovering Cu and Zn in drainage discharged from an operating mine. <i>Science of the Total Environment</i> , <b>2016</b> , 557-558, 212-20	10.2	17
15	Assessment of the potential occurrence of acid rock drainage through a geochemical stream sediment survey. <i>Environmental Earth Sciences</i> , <b>2015</b> , 73, 3375-3386	2.9	3
14	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> , <b>2015</b> , 73, 4717-4727	2.9	16
13	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> , <b>2015</b> , 73, 5363-5373	2.9	9
12	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> , <b>2014</b> , 21, 3722-32	5.1	7

11	Computational study on flow characteristics of acid mine drainage in oxidation pond with asymmetric and inclined shape. <i>Environmental Earth Sciences</i> , <b>2014</b> , 72, 757-766	2.9	1
10	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> , <b>2013</b> , 68, 241-249	2.9	8
9	Longevity of organic layers of vertical flow ponds for sulfate reduction in treating mine drainages in South Korea. <i>Environmental Geochemistry and Health</i> , <b>2012</b> , 34 Suppl 1, 115-21	4.7	4
8	Water quality changes of a closed underground coal mine in Korea. <i>Environmental Monitoring and Assessment</i> , <b>2012</b> , 184, 503-13	3.1	6
7	Performance of Mixed Organic Substrates during Treatment of Acidic and Moderate Mine Drainage in Column Bioreactors. <i>Journal of Environmental Engineering, ASCE</i> , <b>2012</b> , 138, 1077-1084	2	18
6	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> , <b>2012</b> , 111, 150-8	7.9	39
5	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> , <b>2012</b> , 116-117, 8-16	3.8	5
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> , <b>2011</b> , 197, 153-60	12.8	18
3	Comparative effectiveness of mixed organic substrates to mushroom compost for treatment of mine drainage in passive bioreactors. <i>Chemosphere</i> , <b>2011</b> , 83, 76-82	8.4	41
2	Treatment of acidic coal mine drainage: design and operational challenges of successive alkalinity producing systems. <i>Mine Water and the Environment</i> , <b>2008</b> , 27, 12-19	2.4	29
1	ARD generation and corrosion potential of exposed roadside rockmass at Boeun and Mujoo, South Korea. <i>Environmental Geology</i> , <b>2007</b> , 52, 1033-1043		11