

Amirhomayoun Saffarzadeh

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50
papers

792
citations

17
h-index

27
g-index

50
ext. papers

913
ext. citations

5.9
avg, IF

4.45
L-index

#	Paper	IF	Citations
50	Mineralogical characterization of municipal solid waste incineration bottom ash with an emphasis on heavy metal-bearing phases. <i>Journal of Hazardous Materials</i> , 2011 , 187, 534-43	12.8	115
49	Existence of Cl in municipal solid waste incineration bottom ash and dechlorination effect of thermal treatment. <i>Journal of Hazardous Materials</i> , 2014 , 267, 214-20	12.8	68
48	Impacts of natural weathering on the transformation/neoformation processes in landfilled MSWI bottom ash: a geoenvironmental perspective. <i>Waste Management</i> , 2011 , 31, 2440-54	8.6	68
47	Modeling the formation of the quench product in municipal solid waste incineration (MSWI) bottom ash. <i>Waste Management</i> , 2016 , 52, 159-68	8.6	41
46	Evaluation of chemical speciation and environmental risk levels of heavy metals during varied acid corrosion conditions for raw and solidified/stabilized MSWI fly ash. <i>Waste Management</i> , 2019 , 87, 407-416	8.6	36
45	Chemical and mineralogical evaluation of slag products derived from the pyrolysis/melting treatment of MSW. <i>Waste Management</i> , 2006 , 26, 1443-52	8.6	33
44	Influence of ignition process on mineral phase transformation in municipal solid waste incineration (MSWI) fly ash: Implications for estimating loss-on-ignition (LOI). <i>Waste Management</i> , 2017 , 59, 222-228	8.6	30
43	Characterization study of heavy metal-bearing phases in MSW slag. <i>Journal of Hazardous Materials</i> , 2009 , 164, 829-34	12.8	29
42	Aluminum and aluminum alloys in municipal solid waste incineration (MSWI) bottom ash: A potential source for the production of hydrogen gas. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 820-831	6.7	26
41	Behavior of stabilized fly ashes in solid waste landfills. <i>Waste Management</i> , 1996 , 16, 545-554	8.6	26
40	Cesium distribution and phases in proxy experiments on the incineration of radioactively contaminated waste from the Fukushima area. <i>Journal of Environmental Radioactivity</i> , 2014 , 136, 76-84	2.4	25
39	Hydrogen gas generation from metal aluminum-water interaction in municipal solid waste incineration (MSWI) bottom ash. <i>Waste Management</i> , 2018 , 73, 342-350	8.6	24
38	Utilization of waste natural fishbone for heavy metal stabilization in municipal solid waste incineration fly ash. <i>Journal of Cleaner Production</i> , 2018 , 172, 3111-3118	10.3	22
37	Site specific diel methane emission mechanisms in landfills: A field validated process based on vegetation and climate factors. <i>Environmental Pollution</i> , 2016 , 218, 673-680	9.3	21
36	Characterization of chlorine and heavy metals for the potential recycling of bottom ash from municipal solid waste incinerators as cement additives. <i>Frontiers of Environmental Science and Engineering</i> , 2016 , 10, 1	5.8	21
35	Application of portable gas detector in point and scanning method to estimate spatial distribution of methane emission in landfill. <i>Waste Management</i> , 2017 , 59, 255-266	8.6	20
34	Influence of operations on leachate characteristics in the Aerobic-Anaerobic Landfill Method. <i>Waste Management</i> , 2018 , 78, 698-707	8.6	18

33	Geochemically structural characteristics of municipal solid waste incineration fly ash particles and mineralogical surface conversions by chelate treatment. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 734-43	5.1	17
32	Impact of intermittent aerations on leachate quality and greenhouse gas reduction in the aerobic-anaerobic landfill method. <i>Waste Management</i> , 2016 , 55, 71-82	8.6	14
31	Stimulation of waste decomposition in an old landfill by air injection. <i>Bioresource Technology</i> , 2016 , 222, 66-74	11	12
30	Tasks and problems involved in the handling of disaster waste upon April 2016 Kumamoto Earthquake, Japan. <i>Natural Hazards</i> , 2017 , 89, 1273-1290	3	11
29	Metal mobilization from municipal solid waste incineration bottom ash through metal complexation with organic and inorganic ligands. <i>Journal of Material Cycles and Waste Management</i> , 2010 , 12, 1-9	3.4	10
28	Enhanced Pb and Zn stabilization in municipal solid waste incineration fly ash using waste fishbone hydroxyapatite. <i>Waste Management</i> , 2020 , 118, 281-290	8.6	10
27	Geoenvironmental weathering/deterioration of landfilled MSWI-BA glass. <i>Journal of Hazardous Materials</i> , 2014 , 278, 610-9	12.8	9
26	Nitrous oxide production during nitrification from organic solid waste under temperature and oxygen conditions. <i>Environmental Technology (United Kingdom)</i> , 2016 , 37, 2890-7	2.6	9
25	Simulating the impact of heavy rain on leaching behavior of municipal solid waste incineration bottom ash (MSWI BA) in semi-aerobic landfill. <i>Waste Management</i> , 2020 , 113, 280-293	8.6	8
24	Field study of nitrous oxide production with in situ aeration in a closed landfill site. <i>Journal of the Air and Waste Management Association</i> , 2016 , 66, 280-7	2.4	8
23	Kinetics of nitrous oxide production by denitrification in municipal solid waste. <i>Chemosphere</i> , 2015 , 125, 64-9	8.4	8
22	Separation and characterization of magnetic fractions from waste-to-energy bottom ash with an emphasis on the leachability of heavy metals. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 14970-14979	5.1	7
21	The impact of thermal treatment and cooling methods on municipal solid waste incineration bottom ash with an emphasis on Cl. <i>Environmental Technology (United Kingdom)</i> , 2016 , 37, 2564-71	2.6	7
20	The weathering of municipal solid waste incineration bottom ash evaluated by some weathering indices for natural rock. <i>Waste Management</i> , 2012 , 32, 2294-305	8.6	6
19	Comparative study on inorganic Cl removal of municipal solid waste fly ash using different types and concentrations of organic acids. <i>Chemosphere</i> , 2020 , 261, 127754	8.4	6
18	Impact of secondary generated minerals on toxic element immobilization for air pollution control fly ash of a municipal solid waste incinerator. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 20700-20712	5.1	5
17	Intra- and inter-particle heterogeneity of municipal solid waste incineration fly ash particles. <i>Journal of Material Cycles and Waste Management</i> , 2019 , 21, 925-941	3.4	4
16	Dechlorination of Municipal Solid Waste Incineration Fly Ash by Leaching with Fermentation Liquid of Food Waste. <i>Sustainability</i> , 2020 , 12, 4389	3.6	3

15	Lessons learned from the EzgelehBarpol Zahab earthquake of November 2017: status of damage and disposal of disaster waste. <i>Waste Disposal & Sustainable Energy</i> , 2019 , 1, 301-317	4.3	3
14	Physical and mechanical properties of municipal solid waste incineration residues with cement and coal fly ash using X-ray Computed Tomography scanners. <i>Frontiers of Structural and Civil Engineering</i> , 2019 , 13, 640-652	2.5	2
13	Application of micro-scale correlation analysis to estimate metal speciation and the matrix in municipal solid waste incineration fly ash. <i>Journal of Material Cycles and Waste Management</i> , 2020 , 22, 1081-1093	3.4	2
12	Heterogeneities of fly ash particles generated from a fluidized bed combustor of municipal solid waste incineration. <i>Journal of Material Cycles and Waste Management</i> , 2020 , 22, 836-850	3.4	2
11	Characterization of Grate Sifting Deposition Ash, Unquenched Bottom Ash and Water-Quenched Bottom Ash from Mass-Burn Moving Grate Waste to Energy Plant. <i>Journal of Japan Society of Civil Engineers Ser G (Environmental Research)</i> , 2014 , 70, III_469-III_475	0.1	2
10	Dechlorination of fly ash by hydrolysate of municipal solid waste leachate.. <i>RSC Advances</i> , 2020 , 10, 26397-26406	3.7	2
9	Cost Analysis of Municipal Solid Waste Management in Major Indonesian Cities. <i>Journal of Japan Society of Civil Engineers Ser G (Environmental Research)</i> , 2012 , 68, II_79-II_88	0.1	1
8	Behavior of soft plastic in illegally dumped solid waste according to effective stress changes. <i>Japanese Geotechnical Society Special Publication</i> , 2016 , 2, 1798-1801	0.2	1
7	Behavior of gas and heat transport in a simulated temporary disaster waste pile. <i>Journal of Japan Society of Civil Engineers Ser G (Environmental Research)</i> , 2014 , 70, III_477-III_481	0.1	
6	MUNICIPAL SOLID WASTE LANDFILL SETTLEMENT MODEL CONSIDERING MICROBIAL KINETICS IN BIODEGRADATION. <i>Journal of Japan Society of Civil Engineers Ser G (Environmental Research)</i> , 2012 , 68, III_121-III_129	0.1	
5	Sustainable alkali-activated materials 2022 , 489-508		
4	Development of an Open Channel Classification Technique for Solid Waste Incineration Bottom Ash to Accelerate Coastal Landfill Site Stabilization. <i>Journal of the Japan Society of Material Cycles and Waste Management</i> , 2020 , 31, 189-200	0.1	
3	CURRENT STATE OF SOLID WASTE LANDFILL MANAGEMENT AND HEAVY RAIN IMPACTS ON LEACHATE: CASE STUDY IN VIETNAM. <i>Journal of Japan Society of Civil Engineers Ser G (Environmental Research)</i> , 2020 , 76, III_287-III_298	0.1	
2	Dechlorination of Municipal Solid Waste Incineration Residues for Beneficial Reuse as a Resource for Cement 2012 , 412-433		
1	Formation of Secondary Products under Natural Weathering and their Affinity with Heavy Metals in Landfilled MSWI Bottom Ash. <i>Material Cycles and Waste Management Research</i> , 2012 , 23, 401-407	0	