

Amirhomayoun Saffarzadeh

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.

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 | Sustainable alkali-activated materials 2022 , 489-508 | | |
| 49 | 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 |
| 48 | 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 |
| 47 | 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 |
| 46 | 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 |
| 45 | 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 | |
| 44 | 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 | |
| 43 | 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 |
| 42 | 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 |
| 41 | Dechlorination of fly ash by hydrolysate of municipal solid waste leachate.. <i>RSC Advances</i> , 2020 , 10, 26397-26406 | 3.7 | 2 |
| 40 | 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 |
| 39 | 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 |
| 38 | 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 |
| 37 | Lessons learned from the Ezgeleh-Barpol 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 |
| 36 | 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 |
| 35 | 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 |
| 34 | 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 |

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| 33 | Influence of operations on leachate characteristics in the Aerobic-Anaerobic Landfill Method. <i>Waste Management</i> , 2018 , 78, 698-707 | 8.6 | 18 |
| 32 | 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 |
| 31 | 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 |
| 30 | 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 |
| 29 | 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 |
| 28 | 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 |
| 27 | 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 |
| 26 | 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 |
| 25 | 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 |
| 24 | 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 |
| 23 | 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 |
| 22 | 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 |
| 21 | 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 |
| 20 | 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 |
| 19 | 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 |
| 18 | Stimulation of waste decomposition in an old landfill by air injection. <i>Bioresource Technology</i> , 2016 , 222, 66-74 | 11 | 12 |
| 17 | Kinetics of nitrous oxide production by denitrification in municipal solid waste. <i>Chemosphere</i> , 2015 , 125, 64-9 | 8.4 | 8 |
| 16 | Geoenvironmental weathering/deterioration of landfilled MSWI-BA glass. <i>Journal of Hazardous Materials</i> , 2014 , 278, 610-9 | 12.8 | 9 |

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| 15 | 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 |
| 14 | 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 |
| 13 | 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 | |
| 12 | 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 |
| 11 | 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 |
| 10 | 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 | |
| 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 | Dechlorination of Municipal Solid Waste Incineration Residues for Beneficial Reuse as a Resource for Cement 2012 , 412-433 | | |
| 7 | 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 | |
| 6 | Impacts of natural weathering on the transformation/neof ormation processes in landfilled MSWI bottom ash: a geoenvironmental perspective. <i>Waste Management</i> , 2011 , 31, 2440-54 | 8.6 | 68 |
| 5 | 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 |
| 4 | 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 |
| 3 | Characterization study of heavy metal-bearing phases in MSW slag. <i>Journal of Hazardous Materials</i> , 2009 , 164, 829-34 | 12.8 | 29 |
| 2 | 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 |
| 1 | Behavior of stabilized fly ashes in solid waste landfills. <i>Waste Management</i> , 1996 , 16, 545-554 | 8.6 | 26 |