

Paul Imhoff

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

871
citations

516710

16
h-index

477307

29
g-index

40
all docs

40
docs citations

40
times ranked

1037
citing authors

#	ARTICLE	IF	CITATIONS
1	Phosphorus release behaviors of poultry litter biochar as a soil amendment. <i>Science of the Total Environment</i> , 2015, 512-513, 454-463.	8.0	139
2	A pilot-scale, bi-layer bioretention system with biochar and zero-valent iron for enhanced nitrate removal from stormwater. <i>Water Research</i> , 2019, 148, 378-387.	11.3	114
3	Nutrient release and ammonium sorption by poultry litter and wood biochars in stormwater treatment. <i>Science of the Total Environment</i> , 2016, 553, 596-606.	8.0	97
4	Review of state of the art methods for measuring water in landfills. <i>Waste Management</i> , 2007, 27, 729-745.	7.4	85
5	Measuring fluid flow properties of waste and assessing alternative conceptual models of pore structure. <i>Waste Management</i> , 2011, 31, 445-456.	7.4	38
6	Predicting water retention of biochar-amended soil from independent measurements of biochar and soil properties. <i>Advances in Water Resources</i> , 2020, 142, 103638.	3.8	37
7	The Origin and Reversible Nature of Poultry Litter Biochar Hydrophobicity. <i>Journal of Environmental Quality</i> , 2015, 44, 963-971.	2.0	31
8	Scaling DNAPL migration from the laboratory to the field. <i>Journal of Contaminant Hydrology</i> , 2003, 64, 73-92.	3.3	26
9	Evolving interface between clean and nonaqueous phase liquid (NAPL)-contaminated regions in two-dimensional porous media. <i>Water Resources Research</i> , 2002, 38, 29-1-29-14.	4.2	23
10	Short-term landfill methane emissions dependency on wind. <i>Waste Management</i> , 2016, 55, 288-298.	7.4	21
11	Quantifying biochar content in a field soil with varying organic matter content using a two-temperature loss on ignition method. <i>Science of the Total Environment</i> , 2019, 658, 1106-1116.	8.0	20
12	Mitigating methane emissions and air intrusion in heterogeneous landfills with a high permeability layer. <i>Waste Management</i> , 2011, 31, 1049-1058.	7.4	19
13	Gas transport properties of compost-woodchip and green waste for landfill biocovers and biofilters. <i>Chemical Engineering Journal</i> , 2012, 191, 314-325.	12.7	19
14	Measuring seasonal variations of moisture in a landfill with the partitioning gas tracer test. <i>Waste Management</i> , 2006, 26, 344-355.	7.4	18
15	Influence of High-Permeability Layers for Enhancing Landfill Gas Capture and Reducing Fugitive Methane Emissions from Landfills. <i>Journal of Environmental Engineering, ASCE</i> , 2009, 135, 138-146.	1.4	18
16	Numerical simulations to assess the tracer dilution method for measurement of landfill methane emissions. <i>Waste Management</i> , 2016, 56, 298-309.	7.4	18
17	Performance of green waste biocovers for enhancing methane oxidation. <i>Waste Management</i> , 2015, 39, 205-215.	7.4	17
18	Estimation of Landfill Gas Generation Rate and Gas Permeability Field of Refuse Using Inverse Modeling. <i>Transport in Porous Media</i> , 2011, 90, 41-58.	2.6	15

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19	Atmospheric modeling to assess wind dependence in tracer dilution method measurements of landfill methane emissions. <i>Waste Management</i> , 2018, 73, 197-209.	7.4	12
20	Predicting the impact of biochar on the saturated hydraulic conductivity of natural and engineered media. <i>Journal of Environmental Management</i> , 2021, 295, 113143.	7.8	12
21	Assessing methods to estimate emissions of non-methane organic compounds from landfills. <i>Waste Management</i> , 2014, 34, 2260-2270.	7.4	10
22	Models for Predicting Water Retention in Pyrogenic Carbon (Biochar) and Biochar-Amended Soil at Low Water Contents. <i>Water Resources Research</i> , 2020, 56, e2020WR027726.	4.2	9
23	Partitioning Gas Tracer Tests for Measurement of Water in Municipal Solid Waste. <i>Journal of the Air and Waste Management Association</i> , 2003, 53, 1391-1400.	1.9	8
24	Quantifying capture efficiency of gas collection wells with gas tracers. <i>Waste Management</i> , 2015, 43, 319-327.	7.4	8
25	Assessing clogging of laminated hydrophobic membrane during fecal sludge drying. <i>Science of the Total Environment</i> , 2018, 627, 713-722.	8.0	8
26	Photoacoustic infrared spectroscopy for conducting gas tracer tests and measuring water saturations in landfills. <i>Waste Management</i> , 2012, 32, 297-304.	7.4	7
27	Modeling biosolids drying through a laminated hydrophobic membrane. <i>Water Research</i> , 2017, 111, 244-253.	11.3	7
28	In-situ drying of faecal sludge in breathable membrane-lined collection containers. <i>Journal of Water Sanitation and Hygiene for Development</i> , 2019, 9, 281-288.	1.8	7
29	Application of a Coupled Overland Flow-Vadose Zone Model to Rapid Infiltration Basin Systems. <i>Vadose Zone Journal</i> , 2012, 11, vj2011.0140.	2.2	6
30	Water Saturation Measurements by Gas Tracers in Unsaturated Porous Media—Effect of Mass Transfer Limitations. <i>Vadose Zone Journal</i> , 2005, 4, 1107-1118.	2.2	5
31	Drying of fecal sludge in 3D laminate enclosures for urban waste management. <i>Science of the Total Environment</i> , 2019, 672, 927-937.	8.0	5
32	Mobilization of small DNAPL pools formed by capillary entrapment. <i>Journal of Contaminant Hydrology</i> , 2002, 56, 137-158.	3.3	4
33	Spatial heterogeneity of biochar (segregation) in biochar-amended media: An overlooked phenomenon, and its impact on saturated hydraulic conductivity. <i>Journal of Environmental Management</i> , 2021, 279, 111588.	7.8	3
34	Diurnal landfill methane flux patterns across different seasons at a landfill in Southeastern US. <i>Waste Management</i> , 2022, 144, 76-86.	7.4	2
35	Understanding fecal sludge drying in membrane-lined container-based toilets for developing countries with CFD modeling. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 2219-2231.	2.4	1
36	Preparing and characterizing repacked columns for experiments in biochar-amended soils. <i>MethodsX</i> , 2021, 8, 101205.	1.6	1

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37	Field demonstration of breathable laminate-lined container-based toilets in Kanpur, India. Journal of Water Sanitation and Hygiene for Development, 2021, 11, 505-514.	1.8	1
38	Physicochemical Groundwater Remediation. Eos, 2002, 83, 424.	0.1	0
39	Properties of Biochar-Amended Highway Soils: Biochar – An Eco-friendly Geomaterial. Geo-strata, 2018, 22, 48-55.	0.1	0