Paul Imhoff

List of Publications by Year
in descending order

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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	Diurnal landfill methane flux patterns across different seasons at a landfill in Southeastern US. Waste Management, 2022, 144, 76-86.	7.4	2
2	Spatial heterogeneity of biochar (segregation) in biochar-amended media: An overlooked phenomenon, and its impact on saturated hydraulic conductivity. Journal of Environmental Management, 2021, 279, 111588.	7.8	3
3	Preparing and characterizing repacked columns for experiments in biochar-amended soils. MethodsX, 2021, 8, 101205.	1.6	1
4	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
5	Predicting the impact of biochar on the saturated hydraulic conductivity of natural and engineered media. Journal of Environmental Management, 2021, 295, 113143.	7.8	12
6	Models for Predicting Water Retention in Pyrogenic Carbon (Biochar) and Biocharâ€Amended Soil at Low Water Contents. Water Resources Research, 2020, 56, e2020WR027726.	4.2	9
7	Predicting water retention of biochar-amended soil from independent measurements of biochar and soil properties. Advances in Water Resources, 2020, 142, 103638.	3.8	37
8	Drying of fecal sludge in 3D laminate enclosures for urban waste management. Science of the Total Environment, 2019, 672, 927-937.	8.0	5
9	In-situ drying of faecal sludge in breathable membrane-lined collection containers. Journal of Water Sanitation and Hygiene for Development, 2019, 9, 281-288.	1.8	7
10	Understanding fecal sludge drying in membrane-lined container-based toilets for developing countries with CFD modeling. Environmental Science: Water Research and Technology, 2019, 5, 2219-2231.	2.4	1
11	Quantifying biochar content in a field soil with varying organic matter content using a two-temperature loss on ignition method. Science of the Total Environment, 2019, 658, 1106-1116.	8.0	20
12	A pilot-scale, bi-layer bioretention system with biochar and zero-valent iron for enhanced nitrate removal from stormwater. Water Research, 2019, 148, 378-387.	11.3	114
13	Atmospheric modeling to assess wind dependence in tracer dilution method measurements of landfill methane emissions. Waste Management, 2018, 73, 197-209.	7.4	12
14	Assessing clogging of laminated hydrophobic membrane during fecal sludge drying. Science of the Total Environment, 2018, 627, 713-722.	8.0	8
15	Properties of Biochar-Amended Highway Soils: Biochar â€“ An Eco-friendly Geomaterial. Geo-strata, 2018, 22, 48-55.	0.1	0
16	Modeling biosolids drying through a laminated hydrophobic membrane. Water Research, 2017, 111, 244-253.	11.3	7
17	Numerical simulations to assess the tracer dilution method for measurement of landfill methane emissions. Waste Management, 2016, 56, 298-309.	7.4	18
18	Nutrient release and ammonium sorption by poultry litter and wood biochars in stormwater treatment. Science of the Total Environment, 2016, 553, 596-606.	8.0	97

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19	Short-term landfill methane emissions dependency on wind. Waste Management, 2016, 55, 288-298.	7.4	21
20	The Origin and Reversible Nature of Poultry Litter Biochar Hydrophobicity. Journal of Environmental Quality, 2015, 44, 963-971.	2.0	31
21	Phosphorus release behaviors of poultry litter biochar as a soil amendment. Science of the Total Environment, 2015, 512-513, 454-463.	8.0	139
22	Performance of green waste biocovers for enhancing methane oxidation. Waste Management, 2015, 39, 205-215.	7.4	17
23	Quantifying capture efficiency of gas collection wells with gas tracers. Waste Management, 2015, 43, 319-327.	7.4	8
24	Assessing methods to estimate emissions of non-methane organic compounds from landfills. Waste Management, 2014, 34, 2260-2270.	7.4	10
25	Application of a Coupled Overland Flowâ€“Vadose Zone Model to Rapid Infiltration Basin Systems. Vadose Zone Journal, 2012, 11, vzj2011.0140.	2.2	6
26	Photoacoustic infrared spectroscopy for conducting gas tracer tests and measuring water saturations in landfills. Waste Management, 2012, 32, 297-304.	7.4	7
27	Gas transport properties of compostâ€“woodchip and green waste for landfill biocovers and biofilters. Chemical Engineering Journal, 2012, 191, 314-325.	12.7	19
28	Estimation of Landfill Gas Generation Rate and Gas Permeability Field of Refuse Using Inverse Modeling. Transport in Porous Media, 2011, 90, 41-58.	2.6	15
29	Mitigating methane emissions and air intrusion in heterogeneous landfills with a high permeability layer. Waste Management, 2011, 31, 1049-1058.	7.4	19
30	Measuring fluid flow properties of waste and assessing alternative conceptual models of pore structure. Waste Management, 2011, 31, 445-456.	7.4	38
31	Influence of High-Permeability Layers for Enhancing Landfill Gas Capture and Reducing Fugitive Methane Emissions from Landfills. Journal of Environmental Engineering, ASCE, 2009, 135, 138-146.	1.4	18
32	Review of state of the art methods for measuring water in landfills. Waste Management, 2007, 27, 729-745.	7.4	85
33	Measuring seasonal variations of moisture in a landfill with the partitioning gas tracer test. Waste Management, 2006, 26, 344-355.	7.4	18
34	Water Saturation Measurements by Gas Tracers in Unsaturated Porous Mediaâ€”Effect of Mass Transfer Limitations. Vadose Zone Journal, 2005, 4, 1107-1118.	2.2	5
35	Scaling DNAPL migration from the laboratory to the field. Journal of Contaminant Hydrology, 2003, 64, 73-92.	3.3	26
36	Partitioning Gas Tracer Tests for Measurement of Water in Municipal Solid Waste. Journal of the Air and Waste Management Association, 2003, 53, 1391-1400.	1.9	8

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37	Evolving interface between clean and nonaqueous phase liquid (NAPL)-contaminated regions in two-dimensional porous media. Water Resources Research, 2002, 38, 29-1-29-14.	4.2	23
38	Physicochemical Groundwater Remediation. Eos, 2002, 83, 424.	0.1	0
39	Mobilization of small DNAPL pools formed by capillary entrapment. Journal of Contaminant Hydrology, 2002, 56, 137-158.	3.3	4