

Alexandre R Cabral

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,055
citations

516710

16
h-index

414414

32
g-index

37
all docs

37
docs citations

37
times ranked

799
citing authors

#	ARTICLE	IF	CITATIONS
1	Behaviour of tire shred & sand mixtures. Canadian Geotechnical Journal, 2004, 41, 227-241.	2.8	312
2	Measurement of gas diffusion through soils: comparison of laboratory methods. Journal of Environmental Monitoring, 2008, 10, 1326.	2.1	77
3	Biotic methane oxidation within an instrumented experimental landfill cover. Ecological Engineering, 2008, 33, 102-109.	3.6	66
4	Use of Sequential Extraction in the Study of Heavy Metal Retention by Silty Soils. Water, Air, and Soil Pollution, 1998, 102, 329-344.	2.4	55
5	Can soil gas profiles be used to assess microbial CH ₄ oxidation in landfill covers?. Waste Management, 2011, 31, 987-994.	7.4	50
6	Quantifying Microbial Methane Oxidation Efficiencies in Two Experimental Landfill Biocovers Using Stable Isotopes. Water, Air, and Soil Pollution, 2010, 209, 157-172.	2.4	44
7	Methanotrophs and methanotrophic activity in engineered landfill biocovers. Waste Management, 2009, 29, 2509-2517.	7.4	39
8	Evaluation of the effectiveness of a cover with capillary barrier effect to control percolation into a waste disposal facility. Canadian Geotechnical Journal, 2011, 48, 996-1009.	2.8	36
9	Diffusion of oxygen through a pulp and paper residue barrier. Canadian Geotechnical Journal, 2000, 37, 201-217.	2.8	34
10	Design of Inclined Covers with Capillary Barrier Effect. Geotechnical and Geological Engineering, 2006, 24, 689-710.	1.7	34
11	Evaluation of Methane Oxidation Efficiency of Two Biocovers: Field and Laboratory Results. Journal of Environmental Engineering, ASCE, 2012, 138, 164-173.	1.4	26
12	Evaluation of the efficiency of an experimental biocover to reduce BTEX emissions from landfill biogas. Chemosphere, 2014, 97, 98-101.	8.2	26
13	Reduction of odours in pilot-scale landfill biocovers. Waste Management, 2014, 34, 770-779.	7.4	22
14	Evaluating Methane Oxidation Efficiencies in Experimental Landfill Biocovers by Mass Balance and Carbon Stable Isotopes. Water, Air, and Soil Pollution, 2012, 223, 5623-5635.	2.4	19
15	Effect of compost, nitrogen salts, and NPK fertilizers on methane oxidation potential at different temperatures. Applied Microbiology and Biotechnology, 2012, 93, 2633-2643.	3.6	18
16	Modeling Methane Migration and Oxidation in Landfill Cover Materials with TOUGH2-LGM. Water, Air, and Soil Pollution, 2009, 198, 253-267.	2.4	17
17	Does vegetation affect the methane oxidation efficiency of passive biosystems?. Waste Management, 2015, 38, 240-249.	7.4	17
18	Water retention curve and hydraulic conductivity function of highly compressible materials. Canadian Geotechnical Journal, 2007, 44, 1200-1214.	2.8	16

#	ARTICLE	IF	CITATIONS
19	Assessment of the Design of an Experimental Cover with Capillary Barrier Effect Using 4 Years of Field Data. <i>Geotechnical and Geological Engineering</i> , 2011, 29, 783-802.	1.7	16
20	Methodology to determine the extent of anaerobic digestion, composting and CH ₄ oxidation in a landfill environment. <i>Waste Management</i> , 2018, 76, 364-373.	7.4	14
21	Predicting the diversion length of capillary barriers using steady state and transient state numerical modeling: case study of the Saint-Tite-des-Caps landfill final cover. <i>Canadian Geotechnical Journal</i> , 2015, 52, 2141-2148.	2.8	13
22	Two Novel Biofilters to Remove Volatile Organic Compounds Emitted by Landfill Sites. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	2.4	13
23	Influence of capillary barrier effect on biogas distribution at the base of passive methane oxidation biosystems: Parametric study. <i>Waste Management</i> , 2017, 63, 172-187.	7.4	11
24	Optimization of a landfill gas collection shutdown based on an adapted first-order decay model. <i>Waste Management</i> , 2017, 63, 238-245.	7.4	10
25	Anaerobic biodegradation of an organic by-products leachate by interaction with different mine tailings. <i>Journal of Hazardous Materials</i> , 2004, 110, 93-104.	12.4	9
26	Landfill gas distribution at the base of passive methane oxidation biosystems: Transient state analysis of several configurations. <i>Waste Management</i> , 2017, 69, 298-314.	7.4	9
27	Biofiltration of methane from cow barns: Effects of climatic conditions and packing bed media acclimatization. <i>Waste Management</i> , 2018, 78, 669-676.	7.4	9
28	Diversity and Dynamics of Methanotrophs within an Experimental Landfill Cover Soil. <i>Soil Science Society of America Journal</i> , 2009, 73, 1479-1487.	2.2	8
29	Power generation and gaseous emissions performance of an internal combustion engine fed with blends of soybean and beef tallow biodiesel. <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 1480-1489.	2.2	7
30	Elements of Design of Passive Methane Oxidation Biosystems: Fundamental and Practical Considerations About Compaction and Hydraulic Characteristics on Biogas Migration. <i>Geotechnical and Geological Engineering</i> , 2018, 36, 2593-2609.	1.7	7
31	Evolution of biodegradation of deinking by-products used as alternative cover material. <i>Waste Management</i> , 2008, 28, 85-96.	7.4	6
32	Examination of the Effects of Solids Content on Thickened Gold Mine Tailings Sedimentation and Self-Weight Consolidation. <i>Geotechnical Testing Journal</i> , 2019, 42, 1493-1517.	1.0	6
33	Effects of preconditioning the rhizosphere of different plant species on biotic methane oxidation kinetics. <i>Waste Management</i> , 2016, 55, 313-320.	7.4	5
34	FUGITIVE METHANE EMISSIONS FROM TWO EXPERIMENTAL BIOCOVERS CONSTRUCTED WITH TROPICAL RESIDUAL SOILS: FIELD STUDY USING A LARGE FLUX CHAMBER. <i>Detritus</i> , 2019, Volume 07 - September 2019, 1.	0.9	3
35	Evaluation of methane oxidation in a landfill cover material using a simple indicator approach. <i>International Journal of Environmental Engineering</i> , 2011, 3, 298.	0.1	1
36	Preliminary evaluation of the influence of surfactant injection on the mechanical behaviour of a compacted till. <i>Canadian Geotechnical Journal</i> , 1995, 32, 539-544.	2.8	0