

Lucas Silveira Machado

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,011
citations

566801

15
h-index

454577

30
g-index

51
all docs

51
docs citations

51
times ranked

928
citing authors

#	ARTICLE	IF	CITATIONS
1	Constitutive Model for Municipal Solid Waste. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2002, 128, 940-951.	1.5	129
2	Methane generation in tropical landfills: Simplified methods and field results. Waste Management, 2009, 29, 153-161.	3.7	115
3	Constitutive model for long term municipal solid waste mechanical behavior. Computers and Geotechnics, 2008, 35, 775-790.	2.3	88
4	Evaluation of the geotechnical properties of MSW in two Brazilian landfills. Waste Management, 2010, 30, 2579-2591.	3.7	83
5	A laboratory study on the MSW mechanical behavior in triaxial apparatus. Waste Management, 2011, 31, 1807-1819.	3.7	49
6	Microabrasion in tooth enamel discoloration defects: three cases with long-term follow-ups. Journal of Applied Oral Science, 2014, 22, 347-354.	0.7	48
7	ANN prediction of some geotechnical properties of soil from their index parameters. Arabian Journal of Geosciences, 2015, 8, 2911-2920.	0.6	47
8	Clinical Comparison of At-Home and In-Office Dental Bleaching Procedures: A Randomized Trial of a Split-Mouth Design. International Journal of Periodontics and Restorative Dentistry, 2016, 36, 251-260.	0.4	46
9	Municipal solid waste effective stress analysis. Waste Management, 2009, 29, 2918-2930.	3.7	44
10	An investigation on the geotechnical properties of sand-eps mixture using large oedometer apparatus. Construction and Building Materials, 2016, 113, 773-782.	3.2	44
11	Effect of long-term storage on nanomechanical and morphological properties of dentin-adhesive interfaces. Dental Materials, 2015, 31, 141-153.	1.6	43
12	An attempt to perform water balance in a Brazilian municipal solid waste landfill. Waste Management, 2012, 32, 471-481.	3.7	25
13	A constitutive framework to model the undrained loading of municipal solid waste. Computers and Geotechnics, 2017, 85, 207-219.	2.3	22
14	Influence of microthreads and platform switching on stress distribution in bone using angled abutments. Journal of Prosthodontic Research, 2012, 56, 256-263.	1.1	20
15	A study of the routes of contamination by lead and cadmium in Santo Amaro, Brazil. Environmental Technology (United Kingdom), 2013, 34, 559-571.	1.2	20
16	Chumbo e cádmio detectados em alimentos vegetais e gramineas no município de Santo Amaro-Bahia. Química Nova, 2013, 36, 989-997.	0.3	15
17	Esthetic recovery of teeth presenting fluorotic enamel stains using enamel microabrasion and home-monitored dental bleaching. Journal of Conservative Dentistry, 2019, 22, 401.	0.3	14
18	The use of index parameters to predict soil geotechnical properties. Arabian Journal of Geosciences, 2015, 8, 4907-4919.	0.6	13

#	ARTICLE	IF	CITATIONS
19	Prediction of Compaction Characteristics of Soils from Index Test™s Results. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2019, 43, 231-248.	1.0	12
20	Lead concentrations in whole blood, serum, saliva and house dust in samples collected at two time points (12 months apart) in Santo Amaro, BA, Brazil. Environmental Research, 2015, 142, 337-344.	3.7	11
21	Platform€Switching for Cemented Versus Screwed Fixed Dental Prostheses: Reliability and Failure Modes: An In Vitro Study. Clinical Implant Dentistry and Related Research, 2016, 18, 830-839.	1.6	10
22	Efficacy of auxiliary devices for removal of fluorescent residue after bracket debonding. Angle Orthodontist, 2017, 87, 440-447.	1.1	10
23	Surface effects after a combination of dental bleaching and enamel microabrasion: An <i>in vitro</i> and <i>in situ</i> study. Dental Materials Journal, 2016, 35, 13-20.	0.8	9
24	Clinical Trial Evaluating Color Change and Tooth Sensitivity Throughout and Following In-office Bleaching. International Journal of Periodontics and Restorative Dentistry, 2013, 33, 209-215.	0.4	8
25	Avalia€do da exposi€o ao Pb e Cd em crian€as de 0 a 17 anos por consumo de alimentos vegetais cultivados em solos contaminados no munic€pio de Santo Amaro (BA). Engenharia Sanitaria E Ambiental, 2014, 19, 3-12.	0.1	7
26	Fugitive methane emissions through the cover system of a Brazilian landfill cell. Journal of Environmental Engineering and Science, 2019, 14, 168-178.	0.3	7
27	Correlation between field electrical resistivity and geotechnical SPT blow counts at tropical soils in Brazil. Environmental Challenges, 2021, 5, 100220.	2.0	7
28	Biogas production in a tropical landfill: Long-term monitoring results and analysis of variables of influence. Environmental Monitoring and Assessment, 2021, 193, 485.	1.3	6
29	Dental bleaching with a 10% hydrogen peroxide product: A six-month clinical observation. Indian Journal of Dental Research, 2014, 25, 4.	0.1	6
30	Effect of Diamondlike Carbon Coating on Reliability of Implant-Supported Crowns. International Journal of Oral and Maxillofacial Implants, 2015, 30, 806-813.	0.6	5
31	Dental bleaching on teeth submitted to enamel microabrasion 30€years ago€a case report of patients€ compliance during bleaching treatment. Clinical Oral Investigations, 2019, 23, 321-326.	1.4	5
32	Effect of the characteristics of municipal solid waste on biogas production in landfills. Proceedings of Institution of Civil Engineers: Waste and Resource Management, 2020, 173, 55-64.	0.9	5
33	Solute Dispersion of Organic Compounds on Undisturbed Soil Columns. Transport in Porous Media, 2020, 132, 267-282.	1.2	5
34	Effect of Abutment Screw Surface Treatment on Reliability of Implant-Supported Crowns. International Journal of Oral and Maxillofacial Implants, 2014, 29, 585-592.	0.6	4
35	Modeling Soil Permeability When Percolated by Different Soil. Transport in Porous Media, 2016, 111, 763-793.	1.2	4
36	Briefing: Landfill mining for energy recovery in tropical developing countries. Journal of Environmental Engineering and Science, 2018, 13, 93-97.	0.3	4

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37	Modelling of two-dimensional infiltration experiments of water or diesel oil in an instrumented 2D channel. <i>European Journal of Environmental and Civil Engineering</i> , 2021, 25, 1627-1646.	1.0	3
38	Compacted Brazilian soil hydraulic behaviour during the percolation of petroleum-produced water. <i>Journal of Environmental Engineering and Science</i> , 2019, 14, 179-191.	0.3	3
39	Prediction of soil water retention curve based on physical characterization parameters using machine learning. <i>Soils and Rocks</i> , 2022, 45, 1-13.	0.2	3
40	A study of the routes of contamination by lead and cadmium in Santo Amaro, Brazil: A response to the comments of Andrade Lima. <i>Environmental Technology (United Kingdom)</i> , 2013, 34, 2905-2908.	1.2	2
41	Exposure to lead and cadmium and associated factors in children 0-17 years of age living in an area contaminated by metals. <i>Human and Ecological Risk Assessment (HERA)</i> , 2016, 22, 802-816.	1.7	2
42	Optimal ranges of soil index properties for diesel containment using compacted barriers. <i>Environmental Geotechnics</i> , 2020, 7, 540-553.	1.3	2
43	Laboratory Study on Dynamic Properties of Municipal Solid Waste in Saravan Landfill, Iran. <i>International Journal of Civil Engineering</i> , 2021, 19, 861-879.	0.9	2
44	Development of an Empirical Model to Capture Fiber Reinforcement Effect on Shear Strength of Soils. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 12889-12900.	1.7	2
45	Use of Column and Filter Paper Methods to Obtain Chloride Transportation Parameters on Mortar Samples. <i>Transport in Porous Media</i> , 2017, 118, 17-38.	1.2	1
46	Correlation between diffusion coefficient values of chloride ions obtained through column and ion migration tests in cementitious matrices with varying contents of silica fume and mortar. <i>Revista IBRACON De Estruturas E Materiais</i> , 2022, 15, .	0.3	1
47	Energy Recovery from the Aged Waste in Saravan Dump Site, Rasht, Iran. <i>Journal of Environmental Engineering and Science</i> , 2019, , 1-9.	0.3	0
48	Analysis of column reactor results with organic decay by native organic microbiota and varying permeability. <i>Scientific Reports</i> , 2021, 11, 5069.	1.6	0
49	Análise Crítica da Capacidade Preditiva de Dois Modelos de Avaliação do Risco à Saúde Humana pela Exposição ao Pb em Crianças de 0 a 7 Anos de Idade. <i>Brazilian Journal of Environmental Sciences (Online)</i> , 0, , 1-17.	0.1	0
50	Experimental review on the effective stress equation in sand-eps mixtures. <i>Geomechanics and Geoengineering</i> , 2023, 18, 380-393.	0.9	0