

Jean-Louis Briaud

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

1,769
citations

361413

20
h-index

302126

39
g-index

60
all docs

60
docs citations

60
times ranked

1079
citing authors

#	ARTICLE	IF	CITATIONS
1	SRICOS: Prediction of Scour Rate in Cohesive Soils at Bridge Piers. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 1999, 125, 237-246.	3.0	256
2	Case Histories in Soil and Rock Erosion: Woodrow Wilson Bridge, Brazos River Meander, Normandy Cliffs, and New Orleans Levees. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2008, 134, 1425-1447.	3.0	134
3	Thermo-mechanical behavior of energy piles in high plasticity clays. Acta Geotechnica, 2014, 9, 399-412.	5.7	123
4	Behavior of Five Large Spread Footings in Sand. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 1999, 125, 787-796.	3.0	99
5	Shrink Test Water Content Method for Shrink and Swell Predictions. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2003, 129, 590-600.	3.0	75
6	Spread Footings in Sand: Load Settlement Curve Approach. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2007, 133, 905-920.	3.0	75
7	Flume Tests for Scour in Clay at Circular Piers. Journal of Hydraulic Engineering, 2001, 127, 969-978.	1.5	61
8	Statistical, Risk, and Reliability Analyses of Bridge Scour. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2014, 140, .	3.0	56
9	Hydrate Melting in Soil around Hot Conductor. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 1997, 123, 645-653.	3.0	54
10	An experimental, analytical and numerical study on the thermal efficiency of energy piles in unsaturated soils. Computers and Geotechnics, 2016, 71, 207-220.	4.7	54
11	Tieback Walls in Sand: Numerical Simulation and Design Implications. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 1999, 125, 101-110.	3.0	49
12	Three-dimensional resistivity tomography in extreme coastal terrain amidst dense cultural signals: application to cliff stability assessment at the historic D-Day site. Geophysical Journal International, 2011, 185, 201-220.	2.4	49
13	Probability of Exceedance Estimates for Scour Depth around Bridge Piers. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2008, 134, 175-184.	3.0	43
14	Soil-Nailed Wall Under Piled Bridge Abutment: Simulation and Guidelines. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 1997, 123, 1043-1050.	3.0	39
15	SALLOP: Simple Approach for Lateral Loads on Piles. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 1997, 123, 958-964.	3.0	37
16	BCD: A Soil Modulus Device for Compaction Control. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2006, 132, 108-115.	3.0	37
17	Stochastic Flow Analysis for Predicting River Scour of Cohesive Soils. Journal of Hydraulic Engineering, 2006, 132, 493-500.	1.5	36
18	Should Grouted Anchors Have Short Tendon Bond Length?. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 1998, 124, 110-119.	3.0	35

#	ARTICLE	IF	CITATIONS
19	Typical geomechanical problems associated with railroads on shrink-swell soils. <i>Transportation Geotechnics</i> , 2014, 1, 257-274.	4.5	30
20	Beam-Column Method for Tieback Walls. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 1998, 124, 67-79.	3.0	23
21	The National Geotechnical Experimentation Sites at Texas A&M University: Clay and Sand, A Summary. , 2000, , 26-51.		23
22	Behavior of Full-Scale VERT Wall in Sand. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2000, 126, 808-818.	3.0	21
23	Thermal performance and economic study of an energy piles system under cooling dominated conditions. <i>Renewable Energy</i> , 2020, 147, 2736-2747.	8.9	19
24	Coupled water content method for shrink and swell predictions. <i>International Journal of Pavement Engineering</i> , 2010, 11, 13-23.	4.4	18
25	Stiffened Slab-On-Grade on Shrink-Swell Soil: New Design Method. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2016, 142, .	3.0	17
26	Three dimensional numerical simulation of residential building on shrink-swell soils in response to climatic conditions. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2015, 39, 1369-1409.	3.3	13
27	Power Law Model to Predict Creep Movement and Creep Failure. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2019, 145, .	3.0	13
28	Investigation into the Effect of Enzymes on the Erodibility of a Low-Plasticity Silt and a Silty Sand by EFA Testing. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2019, 145, .	3.0	12
29	San Jacinto Monument Case History. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2007, 133, 1337-1351.	3.0	11
30	Effect of the Unsaturated Soil Condition on the Thermal Efficiency of Energy Piles. , 2015, , .		11
31	Erosion Resistance of HPTRM Strengthened Levee from Combined Wave and Surge Overtopping. <i>Geotechnical and Geological Engineering</i> , 2014, 32, 847-857.	1.7	10
32	Cyclic axial loads on piles: Analysis of existing data. <i>Canadian Geotechnical Journal</i> , 1986, 23, 362-371.	2.8	9
33	LATWAK: Impact Test to Obtain Pile Lateral Static Stiffness. <i>Journal of Geotechnical Engineering</i> , 1996, 122, 437-444.	0.4	9
34	Evaluation of Unknown Foundations of Bridges Subjected to Scour. <i>Transportation Research Record</i> , 2014, 2433, 27-38.	1.9	8
35	Scour Depth at Bridges: Method Including Soil Properties. II: Time Rate of Scour Prediction. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2015, 141, .	3.0	7
36	Prediction of time-dependent channel meander migration based on large-scale laboratory experiments. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2011, 49, 617-629.	1.7	6

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37	Dynamic Response of In-Line Pile Groups Subjected to Vehicle Impact. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2017, 143, .	3.0	6
38	Improved Approach to Construct Constitutive Surfaces for Stable-Structured Soils Covering Both Saturated and Unsaturated Conditions. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2008, 134, 876-882.	3.0	5
39	Maximum Migration Distance of Meander Channel in Sand Using Hyperbolic Function Approach. Journal of Hydraulic Engineering, 2009, 135, 629-639.	1.5	5
40	Performance of Stiffened Slab-on-Grade Foundation on Shrink-Swell Soils: Case Study of the Ellison Office Building, College Station, Texas. Journal of Performance of Constructed Facilities, 2017, 31, .	2.0	4
41	Numerical study on the effect of rigid inclusions on existing railroads. International Journal for Numerical and Analytical Methods in Geomechanics, 2019, 43, 2772-2796.	3.3	4
42	Probabilistic Evaluation of Unknown Foundations for Scour Susceptible Bridges. Journal of Bridge Engineering, 2020, 25, 04020074.	2.9	3
43	A total stress-pore water pressure formulation of coupled consolidation analysis for saturated soils. International Journal of Geotechnical Engineering, 2009, 3, 171-185.	2.0	2
44	The T.E.A.M. Approach in Geotechnical Engineering. , 2002, , 976.		1
45	The Effect of Abutment Length for Abutment Scour in Cohesive Soil: Initial Results. , 2007, , 1.		1
46	Maximum Abutment Scour Depth in Cohesive Soils. , 2010, , .		1
47	Towards an Uncertainty-Based Design of Foundations for Onshore Oil and Gas Environmentally Friendly Drilling (EFD) Systems. , 2011, , .		1
48	Behavior of railroads on shrink-swell soils. E3S Web of Conferences, 2016, 9, 20007.	0.5	1
49	Meander migration: the observation method. Canadian Geotechnical Journal, 2017, 54, 1104-1117.	2.8	1
50	Closure to "Stiffened Slab-On-Grade on Shrink-Swell Soil: New Design Method" by Jean-Louis Briaud, Remon Abdelmalak, Xiong Zhang, and Charles Magbo. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2017, 143, 07017018.	3.0	1
51	Existing Railroads on Shrink-Swell Soils: Field Monitoring, Laboratory Tests, and Numerical Simulation. , 2018, , .		1
52	Creep Behavior of Soil Nails in High Plasticity Clay under Various Load Level. , 2018, , .		1
53	Closure to "Flume Tests for Scour in Clay at Circular Piers" by Francis C. K. Ting, Jean-Louis Briaud, H. C. Chen, Rao Gudavalli, Suresh Perugu, and Gengsheng Wei. Journal of Hydraulic Engineering, 2003, 129, 556-557.	1.5	0
54	Wave Forces on Bridge Decks during Hurricanes and Impact on the Foundation. , 2008, , .		0

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55	High-Speed Trains and Ground Mach 1: Numerical Simulation. , 2017, , .		0
56	Closure to "Erosion Charts for Selected Geomaterials" by Jean-Louis Briaud, Anand V. Govindasamy, and Iman Shafii. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2018, 144, 07018025.	3.0	0
57	Study of a Natural Unsaturated Clay and Its Effect on Railroads. , 2018, , .		0
58	Analysis of the Depth of the Active Zone via Coupled Hydro-Mechanical Analysis. , 2022, , .		0