

# Louis Ge

## List of Publications by Year in descending order

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Version: 2024-02-01

75  
papers

1,189  
citations

331259

21  
h-index

414034

32  
g-index

82  
all docs

82  
docs citations

82  
times ranked

962  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strength variations due to re-liquefactionâ€™ indication from cyclic tests on undisturbed and remold samples of a liquefaction-recurring site. Bulletin of Engineering Geology and the Environment, 2022, 81, 1.	1.6	0
2	Influence of horizontally variable soil properties on nonlinear seismic site response and ground motion coherency. Earthquake Engineering and Structural Dynamics, 2022, 51, 704-722.	2.5	6
3	Performance of artificial neural network and convolutional neural network on slope failure prediction using data from the random finite element method. Acta Geotechnica, 2022, 17, 5801-5811.	2.9	9
4	Breakage behavior of gravel rock particles under impact force. Computational Particle Mechanics, 2021, 8, 1075-1087.	1.5	10
5	Stiffness degradation of coarse and fine sand mixtures due to cyclic loading. Engineering Geology, 2021, 288, 106155.	2.9	12
6	Method of estimating the effective zone induced by rapid impact compaction. Scientific Reports, 2021, 11, 18336.	1.6	6
7	Permeability Characteristics of Poorly Graded Sand Conditioned with Foam in Different Conditioning States. Journal of Testing and Evaluation, 2021, 49, 3620-3636.	0.4	10
8	A case study on TBM cutterhead temperature monitoring and mud cake formation discrimination method. Scientific Reports, 2021, 11, 19983.	1.6	9
9	Small strain moduli of compacted silt by ultrasonic pulse velocity measurements. Marine Georesources and Geotechnology, 2020, 38, 1257-1264.	1.2	1
10	Estimation of settlement after soil liquefaction for structures built on shallow foundations. Soil Dynamics and Earthquake Engineering, 2020, 129, 105916.	1.9	8
11	A Mesh-Free Approach for Multiscale Modeling in Continuumâ€™ Granular Systems. International Journal of Computational Methods, 2020, 17, 2050006.	0.8	5
12	Packing void ratios of very dense ternary mixtures of similar ellipsoids. Granular Matter, 2020, 22, 1.	1.1	3
13	Centrifuge modeling of failure behaviors of sandy slope caused by gravity, rainfall, and base shaking. Engineering Geology, 2020, 271, 105609.	2.9	11
14	Calibration of Advanced Constitutive Model Using Optimization Techniques. Journal of Testing and Evaluation, 2020, 48, 2196-2212.	0.4	1
15	Assessment of Direct Tension Tests on Compacted Sand-Clay Mixtures. Journal of Materials in Civil Engineering, 2019, 31, 04019236.	1.3	0
16	Investigation into mechanical behaviour of loess-wheat straw mixtures. Japanese Geotechnical Society Special Publication, 2019, 7, 418-423.	0.2	0
17	The critical state and steady state of sand: A literature review. Marine Georesources and Geotechnology, 2019, 37, 1105-1118.	1.2	20
18	Effective Tensile Strength of Lightly Cemented Sand. Journal of Materials in Civil Engineering, 2019, 31, .	1.3	6

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19	Changes of Atterberg limits and electrochemical behaviors of clays with dispersants as conditioning agents for EPB shield tunnelling. <i>Tunnelling and Underground Space Technology</i> , 2018, 73, 244-251.	3.0	61
20	Evaluation of the wall deflections of a deep excavation in Central Jakarta using three-dimensional modeling. <i>Tunnelling and Underground Space Technology</i> , 2018, 72, 84-96.	3.0	46
21	An Alternative Method for Soil Characterisation Using Pipe-Jacking Parameters and Spoil Characteristics. , 2018, , 224-231.		0
22	Modeling Slope Topography Using Unmanned Aerial Vehicle Image Technique. <i>MATEC Web of Conferences</i> , 2018, 147, 07002.	0.1	13
23	Assessment of strength development of slag cement stabilized kaolinite. <i>Construction and Building Materials</i> , 2018, 184, 492-501.	3.2	28
24	Laboratory tests for permeability of sand during liquefaction. <i>Soil Dynamics and Earthquake Engineering</i> , 2017, 100, 249-256.	1.9	31
25	Variation of Slurry Pipe Jacking Force in Coarse and Fine Soils. , 2016, , .		1
26	Evaluation of the scale of fluctuation of geotechnical parameters by autocorrelation function and semivariogram function. <i>Engineering Geology</i> , 2016, 214, 43-49.	2.9	53
27	Special Issue on Experimental and Computational Geomechanics for Unsaturated Soils. <i>International Journal of Geomechanics</i> , 2016, 16, .	1.3	3
28	Cement Hydration-Based Micromechanics Modeling of the Time-Dependent Small-Strain Stiffness of Fly Ash-Stabilized Soils. <i>International Journal of Geomechanics</i> , 2016, 16, 04015071.	1.3	23
29	Assessment of concrete maturity and overturning mechanism of primary diaphragm walls in very soft clay during cold winter. <i>KSCE Journal of Civil Engineering</i> , 2016, 20, 1314-1322.	0.9	3
30	Strain-Controlled Cyclic Simple Shear Tests on Sand with Radial Strain Measurements. <i>Journal of Materials in Civil Engineering</i> , 2016, 28, .	1.3	26
31	Enhanced series-parallel model for estimating the time-dependent thermal conductivity of fly ash soil mixtures. <i>Granular Matter</i> , 2015, 17, 579-592.	1.1	21
32	Mechanical Properties of Gravel Deposits Evaluated by Nonconventional Methods. <i>Journal of Materials in Civil Engineering</i> , 2015, 27, .	1.3	10
33	Laboratory investigation of the strength, stiffness, and thermal conductivity of fly ash and lime kiln dust stabilised clay subgrade materials. <i>Road Materials and Pavement Design</i> , 2015, 16, 928-945.	2.0	60
34	Assessment of empirical equations for the compression index of fine-grained soils in Missouri. <i>Bulletin of Engineering Geology and the Environment</i> , 2015, 74, 705-716.	1.6	39
35	Modeling of minimum void ratio for sand-silt mixtures. <i>Engineering Geology</i> , 2015, 196, 293-304.	2.9	71
36	Chemically Stabilized Soft Clays for Road-Base Construction. <i>Journal of Materials in Civil Engineering</i> , 2015, 27, .	1.3	90

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37	Slope creep behavior: observations and simulations. Environmental Earth Sciences, 2015, 73, 275-287.	1.3	26
38	Radial Strain Behaviors and Stress State Interpretation of Soil Under Direct Simple Shear. Journal of Testing and Evaluation, 2015, 43, 1594-1601.	0.4	12
39	Effects of chemical stabilizers on an expansive clay. KSCE Journal of Civil Engineering, 2014, 18, 1009-1017.	0.9	63
40	Characterization of Shear Wave Velocity and Its Anisotropy in Uniform Granular Materials. , 2014, , .		4
41	Investigation on the shear moduli and damping ratios of silica gel. Granular Matter, 2014, 16, 449-456.	1.1	32
42	A simple data reduction method for pumping tests with tidal, partial penetration, and storage effects. Soils and Foundations, 2013, 53, 894-902.	1.3	33
43	Scale of Fluctuation of Geotechnical Parameters Estimated from CPTu and Laboratory Test Data. , 2013, , .		7
44	Centrifuge Modeling and Mitigation of Manhole Uplift due to Liquefaction. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 458-469.	1.5	17
45	Modified Time of Setting Test for Fly Ash Paste and Fly Ash-Soil Mixtures. Journal of Materials in Civil Engineering, 2013, 25, 296-301.	1.3	30
46	Constitutive, Physical, and Numerical Modeling in Transportation Geotechnics. International Journal of Geomechanics, 2013, 13, 331-331.	1.3	2
47	Factors Influencing Crack-Induced Tensile Strength of Compacted Soil. Journal of Materials in Civil Engineering, 2012, 24, 315-320.	1.3	56
48	Cyclic Behaviors of Railroad Ballast within the Parallel Gradation Scaling Framework. Journal of Materials in Civil Engineering, 2012, 24, 797-804.	1.3	40
49	Effect of Parallel Gradations on Crushed Rock-Concrete Interface Behaviors. Journal of Testing and Evaluation, 2012, 40, 103773.	0.4	9
50	Spatial Variation and Correlation between Undrained Shear Strength and Plasticity Index. , 2011, , .		6
51	Variability Analysis of Undrained Shear Strength for Reliability-Based Design. , 2011, , .		0
52	Correction Factors for an Analytical Method of Pile Foundation Response Subjected to Horizontal Dynamic Vibrations. , 2011, , .		0
53	Effectiveness of Objective Functions in Soil Model Calibration through Numerical Optimization. , 2011, , .		1
54	Modeling Unbound Granular Materials under Complex Stress Paths. , 2011, , .		0

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55	Characterization of Crushed Rock-Concrete Interface Behavior through the Parallel Gradation Technique. , 2011, , .		1
56	A case history of field pumping tests in a deep gravel formation in the Taipei Basin, Taiwan. Engineering Geology, 2011, 117, 17-28.	2.9	50
57	Influence of Geotechnical Dataset on the Range of Influence of Undrained Shear Strength. , 2011, , .		0
58	Evaluation of Pre-Consolidation Stress Determination Methods. , 2011, , .		0
59	Special Section on Advanced Modeling and Numerical Simulations in Geomechanics. International Journal of Geomechanics, 2011, 11, 153-153.	1.3	0
60	Investigation of the Thermal Conductivity of Compacted Silts and Its Correlation to the Elastic Modulus. Journal of Materials in Civil Engineering, 2010, 22, 408-412.	1.3	10
61	Modeling Permanent Deformation of Unbound Granular Materials under Repeated Loads. International Journal of Geomechanics, 2010, 10, 236-241.	1.3	28
62	Evaluation of Compacted Silt Characteristics by Ultrasonic Pulse Velocity Testing. , 2010, , .		3
63	Finite Element Modeling of a Field-Scale Shored Mechanically Stabilized Earth Wall. , 2010, , .		0
64	Seismic centrifuge modelling of earth dams. Geomechanics and Geoengineering, 2010, 5, 247-257.	0.9	4
65	Low Viscosity Pore Fluid to Manufacture Transparent Soil. Geotechnical Testing Journal, 2010, 33, 463-468.	0.5	12
66	Evaluation of the Stiffness and Volumetric Behaviors of Medium Dense Sand under Principal Stress Rotations. Journal of Testing and Evaluation, 2010, 38, 319-323.	0.4	0
67	Ultrasonic Pulse Velocity Tests on Compacted Soil. , 2009, , .		9
68	Modeling Resilient Modulus of Unbound Granular Materials under Repeated Loading. , 2009, , .		0
69	Laboratory Evaluation of the Briaud Compaction Device. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2009, 135, 1543-1546.	1.5	9
70	Use of Geogrids to Enhance Stability of Slope in Bioreactor Landfills: A Conceptual Method. , 2009, , .		1
71	A Large-Scale Triaxial Apparatus for Prototype Railroad Ballast Testing. Geotechnical Testing Journal, 2009, 32, 102033.	0.5	6
72	Camera Calibration Using Neural Network for Image-Based Soil Deformation Measurement Systems. Geotechnical Testing Journal, 2008, 31, 100729.	0.5	4

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73	Effects of Parallel Gradation on Strength Properties of Ballast Materials. , 2007, , 1.		10
74	Dynamic Properties of Transparent Soil. , 2007, , 1.		4
75	Calibration of Soil Moisture Probes in Saline Conditions. , 2007, , .		2