Christos Vrettos

List of Publications by Year
in descending order

47	1,015	623734	434195
papers	citations	14 h-index	31 g-index

58	58	58	970
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of mean grain size on shear modulus degradation and damping ratio curves of sands. Geotechnique, 2023, 73, 840-842.	4.0	1
2	Sandâ€“tyre chips mixtures in undrained and drained cyclic triaxial tests. Proceedings of the Institution of Civil Engineers: Ground Improvement, 2022, 175, 23-33.	1.0	3
3	Effects of specimen size and inertia on resonant column tests applied to sands. Soil Dynamics and Earthquake Engineering, 2022, 155, 107136.	3.8	4
4	Eine auÃŸergewÃ¶hnliche Situation. Geotechnik, 2021, 44, 1-1.	0.2	0
5	Indentation tests and rolling simulations of a compliant wheel on soil at different consistencies. Journal of Terramechanics, 2021, 94, 39-48.	3.1	10
6	Thermal Conductivity of the Martian Soil at the InSight Landing Site From HP³ Active Heating Experiments. Journal of Geophysical Research E: Planets, 2021, 126, e2021JE006861.	3.6	23
7	Integral abutment bridges: Investigation of seismic soilâ€structure interaction effects by shaking table testing. Earthquake Engineering and Structural Dynamics, 2021, 50, 1517-1538.	4.4	32
8	UnzulÃssige Niveaupflege. Geotechnik, 2020, 43, 1-1.	0.2	0
9	Subsurface Structure at the InSight Landing Site From Compliance Measurements by Seismic and Meteorological Experiments. Journal of Geophysical Research E: Planets, 2020, 125, e2020JE006387.	3.6	44
10	Geology of the InSight landing site on Mars. Nature Communications, 2020, 11, 1014.	12.8	107
11	Constraints on the shallow elastic and anelastic structure of Mars from InSight seismic data. Nature Geoscience, 2020, 13, 213-220.	12.9	207
12	Nachwuchsmangel. Geotechnik, 2019, 42, 1-1.	0.2	0
13	Bearing strength surfaces implied in conventional bearing capacity calculations. Geotechnique, 2019, 69, 932-935.	4.0	1
14	Sondierungen. Geotechnik, 2018, 41, 1-1.	0.2	0
15	Normenschleier. Geotechnik, 2017, 40, 1-1.	0.2	0
16	Extended Pile Driving Model to Predict the Penetration of the Insight/HP3 Mole into the Martian Soil. Space Science Reviews, 2017, 211, 217-236.	8.1	11
17	Meshfree generalized finite difference methods in soil mechanicsâ€”part II: numerical results. GEM - International Journal on Geomathematics, 2017, 8, 191-217.	1.6	12
18	Nachhaltig experimentieren. Geotechnik, 2016, 39, 1-1.	0.2	1

#	Article	IF	Citations
19	Seismic pressures on rigid cantilever walls retaining elastic continuously non-homogeneous soil: An exact solution. Soil Dynamics and Earthquake Engineering, 2016, 82, 142-153.	3.8	26
20	Konkurrenz durch QualitÃt. Geotechnik, 2015, 38, 1-1.	0.2	0
21	Simulation of liquefied sand by the Lattice Boltzmann method. Geotechnik, 2014, 37, 96-104.	0.2	3
22	KontinuitÃt des Wissens. Geotechnik, 2014, 37, 1-1.	0.2	1
23	Rectangular footing on soil with depth-degrading stiffness: Vertical and rocking impedances under conditional existence of surface waves. Soil Dynamics and Earthquake Engineering, 2014, 65, 294-302.	3.8	6
24	A discrete element model and its experimental validation for the prediction of draft forces in cohesive soil. Journal of Terramechanics, 2014, 53, 93-104.	3.1	50
25	Meshfree generalized finite difference methods in soil mechanicsâ€"part I: theory. GEM - International Journal on Geomathematics, 2013, 4, 167-184.	1.6	10
26	Fallstudie zur seismischen Auslegung der Stationen und der Tunnel einer U-Bahnlinie in weichem Boden. Bautechnik, 2013, 90, 333-340.	0.1	7
27	Dynamic response of soil deposits to vertical SH waves for different rigidity depth-gradients. Soil Dynamics and Earthquake Engineering, 2013, 47, 41-50.	3.8	33
28	Anwendung der Diskreteâ€Elementeâ€Methode zur Vorhersage von KrÃften bei der Bodenbearbeitung. Geotechnik, 2013, 36, 231-242.	0.2	7
29	A bonded-particle model for cemented sand. Computers and Geotechnics, 2013, 49, 299-313.	4.7	126
30	Design and execution of special foundation works for the deep excavations of the Thessaloniki Metro / Projektierung und Anwendung von Spezialtiefbaumethoden bei den tiefen Baugruben der Metro Thessaloniki. Geomechanik Und Tunnelbau, 2013, 6, 471-478.	0.3	1
31	Versuche zur einaxialen Druckfestigkeit geklebter Gesteinsproben. Geotechnik, 2013, 36, 113-118.	0.2	1
32	Wer schreibt, der bleibt. Geotechnik, 2013, 36, 1-2.	0.2	0
33	Shear Strength Investigations for a Class of Extraterrestrial Analogue Soils. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2012, 138, 508-515.	3.0	10
34	Mechanisches Verhalten eines teilgesÃttigten Kaolinit-Tons: Experimentelle Untersuchungen, Stoffmodell und Implementierung. Geotechnik, 2012, 35, 236-244.	0.2	4
35	Prediction of draft forces in cohesionless soil with the Discrete Element Method. Journal of Terramechanics, 2011, 48, 347-358.	3.1	78
36	Quellverhalten eines teilgesÃttigten Kaolinitâ€Tons: Laborversuche, Modell und numerische Simulation. Geotechnik, 2011, 34, 32-41.	0.2	1

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37	Metro Thessaloniki: Tiefe Baugruben in Deckelbauweise. Geotechnik, 2011, 34, 291-296.	0.2	1
38	A model for multiphase flow and transport in porous media including a phenomenological approach to account for deformationâ€"a model concept and its validation within a code intercomparison study. Computational Geosciences, 2009, 13, 281-300.	2.4	8
39	Discussion of the Paper â€œShear Modulus and Damping Ratio of Organic Soilsâ€•by P. Kallioglou, Th. Tika, G. Koninis, St. Papadopoulos, K. Pitilakis: Geotechnical and Geological Engineering, DOI 10.1007/s10706-008-9224-1. Geotechnical and Geological Engineering, 2009, 27, 485-487.	1.7	0
40	Green's functions for vertical point load on an elastic half-space with depth-degrading stiffness. Engineering Analysis With Boundary Elements, 2008, 32, 1037-1045.	3.7	12
41	Vertical and rocking impedances for rigid rectangular foundations on soils with bounded non-homogeneity. Earthquake Engineering and Structural Dynamics, 1999, 28, 1525-1540.	4.4	37
42	Elastic settlement and rotation of rectangular footings on nonhomogeneous soil. Geotechnique, 1998, 48, 703-707.	4.0	5
43	Simple inversion procedure for shallow seismic refraction in continuously nonhomogeneous soils. Soil Dynamics and Earthquake Engineering, 1996, 15, 381-386.	3.8	6
44	Scattering of waves by subterranean structures via the boundary element method. Soil Dynamics and Earthquake Engineering, 1996, 15, 387-397.	3.8	29
45	Closure to â€œ Evaluation of In Situ Effective Shear Modulus from Dispersion Measurements â€•by Christos Vrettos and Bernd Prange (October, 1990, Vol. 116, No. 10). Journal of Geotechcnical Engineering, 1992, 118, 1125-1127.	0.4	0
46	Time-harmonic boussinesq problem for a continuously non-homogeneous soil. Earthquake Engineering and Structural Dynamics, 1991, 20, 961-977.	4.4	48
47	Evaluation of In Situ Effective Shear Modulus from Dispersion Measurements. Journal of Geotechcnical Engineering, 1990, 116, 1581-1585.	0.4	17