

Nelson Tk Lam

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8745733/publications.pdf>

Version: 2024-02-01

50
papers

618
citations

623574

14
h-index

677027

22
g-index

57
all docs

57
docs citations

57
times ranked

287
citing authors

#	ARTICLE	IF	CITATIONS
1	Velocity attenuation of debris flows and a new momentum-based load model for rigid barriers. <i>Landslides</i> , 2017, 14, 617-629.	2.7	50
2	Large-scale successive boulder impacts on a rigid barrier shielded by gabions. <i>Canadian Geotechnical Journal</i> , 2016, 53, 1688-1699.	1.4	49
3	Effects of polymer and bentonite support fluids on concrete-sand interface shear strength. <i>Geotechnique</i> , 2014, 64, 28-39.	2.2	41
4	Dynamic response of flexible rockfall barriers under different loading geometries. <i>Landslides</i> , 2017, 14, 905-916.	2.7	35
5	Finite element analysis for rockfall and debris flow mitigation works. <i>Canadian Geotechnical Journal</i> , 2019, 56, 1225-1250.	1.4	33
6	Critical assessment of pile modulus determination methods. <i>Canadian Geotechnical Journal</i> , 2011, 48, 1433-1448.	1.4	29
7	Rheological Properties of PHPA Polymer Support Fluids. <i>Journal of Materials in Civil Engineering</i> , 2015, 27, .	1.3	28
8	Back-analysis of geophysical flows using three-dimensional runout model. <i>Canadian Geotechnical Journal</i> , 2018, 55, 1081-1094.	1.4	28
9	Effects of polymer and bentonite support fluids on the performance of bored piles. <i>Soils and Foundations</i> , 2015, 55, 1487-1500.	1.3	27
10	Comparison of Cushioning Mechanisms between Cellular Glass and Gabions Subjected to Successive Boulder Impacts. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2018, 144, 04018058.	1.5	23
11	Hydraulic Characteristics of Bentonite Cake Fabricated on Cutoff Walls. <i>Clays and Clay Minerals</i> , 2012, 60, 557-560.	0.6	21
12	Analytical Solution for Estimating Sliding Displacement of Rigid Barriers Subjected to Boulder Impact. <i>Journal of Engineering Mechanics - ASCE</i> , 2019, 145, .	1.6	19
13	Displacement-Based Approach for the Assessment of Overturning Stability of Rectangular Rigid Barriers Subjected to Point Impact. <i>Journal of Engineering Mechanics - ASCE</i> , 2018, 144, .	1.6	18
14	Performance of ethylene-vinyl acetate foam as cushioning material for rigid debris-resisting barriers. <i>Landslides</i> , 2018, 15, 1779-1786.	2.7	17
15	The use of polymer solutions for deep excavations: lessons from Far Eastern experience. <i>HKIE Transactions</i> , 2014, 21, 262-271.	1.9	15
16	Construction techniques for bored piling in sand using polymer fluids. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , 2014, 167, 565-573.	0.9	14
17	Performance of Bored Piles Constructed Using Polymer Fluids: Lessons from European Experience. <i>Journal of Performance of Constructed Facilities</i> , 2016, 30, .	1.0	14
18	Interpretation of Viscometer Test Results for Polymer Support Fluids. , 2014, , .		13

#	ARTICLE	IF	CITATIONS
19	Overtuning stability of L-shaped rigid barriers subjected to rockfall impacts. Landslides, 2018, 15, 1347-1357.	2.7	13
20	Determination of Residual Concentration of Active Polymer in a Polymeric Support Fluid. Geotechnical Testing Journal, 2014, 37, 20130019.	0.5	13
21	Observations on Viscosity Reduction of PHPA Polymer Support Fluids. , 2010, , .		11
22	Permeation behaviour of PHPA polymer fluids in sand. Geotechnique, 2021, 71, 561-570.	2.2	11
23	Contact force generated by impact of boulder on concrete surface. International Journal of Impact Engineering, 2019, 132, 103324.	2.4	9
24	Eco-friendly recycled crushed glass for cushioning boulder impacts. Canadian Geotechnical Journal, 2019, 56, 1251-1260.	1.4	8
25	Predictions of Localised Damage to Concrete Caused by a Low-Velocity Impact. International Journal of Impact Engineering, 2021, 149, 103799.	2.4	8
26	Reply to the discussion by Fellenius on "Critical assessment of pile modulus determination methods" Appears in the Canadian Geotechnical Journal, 49(5): 614-621 [doi: 10.1139/t2012-027].. Canadian Geotechnical Journal, 2012, 49, 622-629.	1.4	7
27	Ageing behaviour of polyacrylamide-based excavation fluids. Proceedings of Institution of Civil Engineers: Construction Materials, 2016, 169, 301-307.	0.7	7
28	Treatment of bentonite fluid for excavation into Chalk. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2018, 171, 518-529.	0.9	7
29	Physical Properties of Polymer Support Fluids in Use and Their Measurement Techniques. Geotechnical Testing Journal, 2015, 38, 20140032.	0.5	7
30	Closed-form expressions for improved impact resistant design of reinforced concrete beams. Structures, 2021, 29, 1828-1836.	1.7	6
31	Development and applications of debris mobility models in Hong Kong. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2021, 174, 593-610.	0.9	6
32	Evaluation of Seabed Stability and Scour Control Around Subsea Gravity Protection Structures. , 2010, , .		4
33	Cantilevered RC Wall Subjected to Combined Static and Impact Actions. International Journal of Impact Engineering, 2020, 143, 103596.	2.4	4
34	Evaluation of Density-Measurement Methods for Construction Slurries. Geotechnical Testing Journal, 2016, 39, 507-514.	0.5	3
35	Discussion of "Distribution of residual load and true shaft resistance for a driven instrumented test pile" Appears in the Canadian Geotechnical Journal, 48(4): 583-598 [doi: 10.1139/t10-084].. Canadian Geotechnical Journal, 2012, 49, 244-245.	1.4	2
36	Local intraplate earthquake considerations for Singapore. IES Journal Part A: Civil and Structural Engineering, 2015, 8, 62-70.	0.4	2

#	ARTICLE	IF	CITATIONS
37	Discussion: Use of viscous pore fluids in dynamic centrifuge modelling. International Journal of Physical Modelling in Geotechnics, 2016, 16, 97-100.	0.5	2
38	The On-Site Management of Polymer Support Fluids for the Construction of Drilled Shafts and Diaphragm Walls. , 2017, , .		2
39	Discussion of "Comprehensive Load Test on Prestressed Concrete Piles in Alluvial Clays and Marl in Savannah, Georgia" by Yong Tan and Guoming Lin. Journal of Performance of Constructed Facilities, 2015, 29, 07014001.	1.0	1
40	Determination of contact force by compression testing of cylindrical specimens. MethodsX, 2019, 6, 1957-1966.	0.7	1
41	Recent advances in landslide risk management measures in Hong Kong. , 2016, , 1219-1227.		1
42	Special Issue on Sustainable Civil Infrastructures: Innovative Technologies and Materials. Journal of Performance of Constructed Facilities, 2016, 30, .	1.0	0
43	Velocity Attenuation of Granular Debris Flows During Impact on Rigid Barriers. , 2017, , 385-390.		0
44	Commercial polymer systems. , 2017, , 57-88.		0
45	Site equipment and procedures. , 2017, , 89-111.		0
46	Fluid properties and field testing. , 2017, , 113-144.		0
47	Applications of polymer fluids to the construction of deep foundations around the world. , 2017, , 145-186.		0
48	Detailed analysis of case studies. , 2017, , 187-228.		0
49	Rheological properties of polymer support fluids. , 2017, , 229-263.		0
50	Specifications and associated controls. , 2017, , 265-284.		0