Y K Chow

List of Publications by Year
in descending order

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60 papers	2,005 citations	236912 25 h-index	243610 44 g-index
61 all docs	61 docs citations	61 times ranked	693 citing authors

#	Article	IF	Citations
1	Analysis of vertically loaded pile groups. International Journal for Numerical and Analytical Methods in Geomechanics, 1986, 10, 59-72.	3.3	174
2	Centrifuge Model Study of Laterally Loaded Pile Groups in Clay. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2004, 130, 274-283.	3.0	118
3	Static and periodic infinite solid elements. International Journal for Numerical Methods in Engineering, 1981, 17, 503-526.	2.8	108
4	Revealing the bearing capacity mechanisms of a penetrating spudcan through sand overlying clay. Geotechnique, 2008, 58, 793-804.	4.0	99
5	Behavior of Pile Subject to Excavation-Induced Soil Movement. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2000, 126, 947-954.	3.0	95
6	Low Strain Integrity Testing of Piles: Three-Dimensional Effects. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2003, 129, 1057-1062.	3.0	95
7	Pile Behavior due to Excavation-Induced Soil Movement in Clay. I: Stable Wall. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2006, 132, 36-44.	3.0	93
8	Rational Wave Equation Model for Pileâ€Đriving Analysis. Journal of Geotechcnical Engineering, 1988, 114, 306-325.	0.4	72
9	Influence of base suction on extraction of jack-up spudcans. Geotechnique, 2005, 55, 741-753.	4.0	69
10	Dynamic Compaction Analysis. Journal of Geotechcnical Engineering, 1992, 118, 1141-1157.	0.4	68
11	ANALYSIS OF PILES USED FOR SLOPE STABILIZATION. International Journal for Numerical and Analytical Methods in Geomechanics, 1996, 20, 635-646.	3.3	66
12	Behavior of Pile Groups Subject to Excavation-Induced Soil Movement in Very Soft Clay. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2009, 135, 1462-1474.	3.0	64
13	Dynamic Compaction of Loose Granular Soils: Effect of Print Spacing. Journal of Geotechcnical Engineering, 1994, 120, 1115-1133.	0.4	62
14	Axial and lateral response of pile groups embedded in nonhomogeneous soils. International Journal for Numerical and Analytical Methods in Geomechanics, 1987, 11, 621-638.	3.3	58
15	Behavior of Pile Groups Subject to Excavation-Induced Soil Movement. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2003, 129, 58-65.	3.0	58
16	Pile Behavior Due to Excavation-Induced Soil Movement in Clay. II: Collapsed Wall. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2006, 132, 45-53.	3.0	54
17	Reliability Analysis of Pile Settlement. Journal of Geotechcnical Engineering, 1990, 116, 1717-1734.	0.4	48
18	Negative skin friction on pile groups. International Journal for Numerical and Analytical Methods in Geomechanics, 1990, 14, 75-91.	3.3	38

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19	A variational approach for vertical deformation analysis of pile group. International Journal for Numerical and Analytical Methods in Geomechanics, 1997, 21, 741-752.	3.3	37
20	Pileâ€Capâ€Pileâ€Group Interaction in Nonhomogeneous Soil. Journal of Geotechcnical Engineering, 1991, 117, 1655-1668.	0.4	36
21	Severe Damage of a Pile Group due to Slope Failure. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2015, 141, .	3.0	35
22	A variational approach for the analysis of pile groupâ€“pile cap interaction. Geotechnique, 2000, 50, 349-357.	4.0	34
23	Vertical deformation of rigid foundations of arbitrary shape on layered soil media. International Journal for Numerical and Analytical Methods in Geomechanics, 1987, 11, 1-15.	3.3	33
24	Axially loaded piles and pile groups embedded in a cross-anisotropic soil. Geotechnique, 1989, 39, 203-212.	4.0	33
25	Variational solution for vertically loaded pile groups in an elastic half-space. Geotechnique, 1999, 49, 199-213.	4.0	33
26	Torsional Piles in Two-Layered Nonhomogeneous Soil. International Journal of Geomechanics, 2007, 7, 410-422.	2.7	27
27	Response of pile groups subjected to lateral loads. International Journal for Numerical and Analytical Methods in Geomechanics, 1987, 11, 307-314.	3.3	22
28	A theoretical study of pile heave. Geotechnique, 1990, 40, 1-14.	4.0	22
29	Prediction of pile capacity from stress-wave measurements: A neural network approach. International Journal for Numerical and Analytical Methods in Geomechanics, 1995, 19, 107-126.	3.3	22
30	Centrifuge modelling of spudcanâ€“pile interaction in soft clay overlying sand. Geotechnique, 2017, 67, 69-77.	4.0	20
31	Analysis of Piled Raft Foundations Using a Variational Approach. International Journal of Geomechanics, 2001, 1, 129-147.	2.7	19
32	Threeâ€Dimensional Analysis of Pile Groups. Journal of Geotechcnical Engineering, 1987, 113, 637-651.	0.4	17
33	Vertical vibration of three-dimensional rigid foundations on layered media. Earthquake Engineering and Structural Dynamics, 1987, 15, 585-594.	4.4	17
34	Simplified analysis of dynamic response of rigid foundations with arbitrary geometries. Earthquake Engineering and Structural Dynamics, 1986, 14, 643-653.	4.4	15
35	Prediction of load-carrying capacity of driven piles. Canadian Geotechnical Journal, 1988, 25, 13-23.	2.8	15
36	Iterative analysis of pileâ€“soilâ€“pile interaction. Geotechnique, 1987, 37, 321-333.	4.0	11

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37	Hybrid and enhanced finite element methods for problems of soil consolidation. International Journal for Numerical Methods in Engineering, 2007, 69, 221-249.	2.8	11
38	Accuracy of consistent and lumped viscous dampers in wave propagation problems. International Journal for Numerical Methods in Engineering, 1985, 21, 723-732.	2.8	10
39	Pile group settlement: A probabilistic approach. International Journal for Numerical and Analytical Methods in Geomechanics, 1991, 15, 817-832.	3.3	10
40	Further Contributions to Reliabilityâ€Based Pileâ€Settlement Analysis. Journal of Geotechcnical Engineering, 1992, 118, 726-741.	0.4	10
41	Dynamic finite strip analysis of surface foundations. Earthquake Engineering and Structural Dynamics, 1988, 16, 457-467.	4.4	9
42	Dynamic response of surface foundations on layered media. Earthquake Engineering and Structural Dynamics, 1991, 20, 1065-1081.	4.4	8
43	A method for the analysis of large vertically loaded pile groups. , 1999, 23, 243-262.		8
44	Negative skin friction on single piles in a layered half-space. International Journal for Numerical and Analytical Methods in Geomechanics, 1993, 17, 625-645.	3.3	7
45	Settlement Analysis of Socketed Pile Groups. Journal of Geotechcnical Engineering, 1990, 116, 1171-1184.	0.4	6
46	Improvement of granular soils by high-energy impact. Proceedings of the Institution of Civil Engineers: Ground Improvement, 2000, 4, 31-35.	1.0	6
47	Practical Method for Settlement Analysis of Pile Groups. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2000, 126, 890-897.	3.0	5
48	Interaction between jack-up rig foundations and offshore platform piles. International Journal for Numerical and Analytical Methods in Geomechanics, 1987, 11, 325-344.	3.3	4
49	Application of enhanced assumed strain finite element method to predict collapse loads of undrained geotechnical problems. International Journal for Numerical and Analytical Methods in Geomechanics, 2007, 31, 1033-1043.	3.3	4
50	ANALYSIS OF PILES USED FOR SLOPE STABILIZATION. International Journal for Numerical and Analytical Methods in Geomechanics, 1996, 20, 635-646.	3.3	4
51	Prediction of pile capacity from stress-wave measurements: Some numerical aspects. International Journal for Numerical and Analytical Methods in Geomechanics, 1988, 12, 505-512.	3.3	3
52	Closure to â€œCentrifuge Model Study of Laterally Loaded Pile Groups in Clay,â€•by T. Ilyas, C. F. Leung, Y. K. Chow, and S. S. Budi. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2005, 131, 1308-1308.	3.0	3
53	Centrifuge Model Study on Pile Responses due to Adjacent Excavation. , 2006, , 145.		3
54	Closure to â€œBehavior of Pile Groups Subject to Excavation-Induced Soil Movement in Very Soft Clayâ€• by D. E. L. Ong, C. F. Leung, and Y. K. Chow. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2011, 137, 112-113.	3.0	3

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55	Analysis of dynamic behaviour of piles. International Journal for Numerical and Analytical Methods in Geomechanics, 1985, 9, 383-390.	3.3	2
56	Reply by authors to E. kausel. Earthquake Engineering and Structural Dynamics, 1989, 18, 1085-1085.	4.4	1
57	Closure to â€œSevere Damage of a Pile Group due to Slope Failureâ€•by D. E. L. Ong, C. F. Leung, Y. K. Chow, and T. G. Ng. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2016, 142, 07016004.	3.0	1
58	Closure to â€œRational Wave Equation Model for Pileâ€Ðriving Analysisâ€•by S. L. Lee, Y. K. Chow, G. P. Karunarantne, and K. Y. Wong (March, 1988, Vol. 114, No. 3). Journal of Geotechcnical Engineering, 1989, 115, 1195-1197.	0.4	0
59	Tunneling beneath Existing Buildings Supported on Shallow Foundations. , 2016, , .		0
60	Prediction of Drag Anchor Trajectory With Both Shallow and Deep Anchor Behavior. , 2016, , .		0