

# Y K Chow

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

2,005  
citations

270111

25  
h-index

274796

44  
g-index

61  
all docs

61  
docs citations

61  
times ranked

756  
citing authors

#	ARTICLE	IF	CITATIONS
1	Centrifuge modelling of spudcanâ€“pile interaction in soft clay overlying sand. <i>Geotechnique</i> , 2017, 67, 69-77.	2.2	20
2	Tunneling beneath Existing Buildings Supported on Shallow Foundations. , 2016, , .		0
3	Prediction of Drag Anchor Trajectory With Both Shallow and Deep Anchor Behavior. , 2016, , .		0
4	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. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2016, 142, 07016004.	1.5	1
5	Severe Damage of a Pile Group due to Slope Failure. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2015, 141, .	1.5	35
6	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. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2011, 137, 112-113.	1.5	3
7	Behavior of Pile Groups Subject to Excavation-Induced Soil Movement in Very Soft Clay. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2009, 135, 1462-1474.	1.5	64
8	Revealing the bearing capacity mechanisms of a penetrating spudcan through sand overlying clay. <i>Geotechnique</i> , 2008, 58, 793-804.	2.2	99
9	Torsional Piles in Two-Layered Nonhomogeneous Soil. <i>International Journal of Geomechanics</i> , 2007, 7, 410-422.	1.3	27
10	Application of enhanced assumed strain finite element method to predict collapse loads of undrained geotechnical problems. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2007, 31, 1033-1043.	1.7	4
11	Hybrid and enhanced finite element methods for problems of soil consolidation. <i>International Journal for Numerical Methods in Engineering</i> , 2007, 69, 221-249.	1.5	11
12	Centrifuge Model Study on Pile Responses due to Adjacent Excavation. , 2006, , 145.		3
13	Pile Behavior Due to Excavation-Induced Soil Movement in Clay. II: Collapsed Wall. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2006, 132, 45-53.	1.5	54
14	Pile Behavior due to Excavation-Induced Soil Movement in Clay. I: Stable Wall. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2006, 132, 36-44.	1.5	93
15	Influence of base suction on extraction of jack-up spudcans. <i>Geotechnique</i> , 2005, 55, 741-753.	2.2	69
16	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. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2005, 131, 1308-1308.	1.5	3
17	Centrifuge Model Study of Laterally Loaded Pile Groups in Clay. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2004, 130, 274-283.	1.5	118
18	Low Strain Integrity Testing of Piles: Three-Dimensional Effects. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2003, 129, 1057-1062.	1.5	95

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19	Behavior of Pile Groups Subject to Excavation-Induced Soil Movement. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2003, 129, 58-65.	1.5	58
20	Analysis of Piled Raft Foundations Using a Variational Approach. International Journal of Geomechanics, 2001, 1, 129-147.	1.3	19
21	Improvement of granular soils by high-energy impact. Proceedings of the Institution of Civil Engineers: Ground Improvement, 2000, 4, 31-35.	0.7	6
22	A variational approach for the analysis of pile group-pile cap interaction. Geotechnique, 2000, 50, 349-357.	2.2	34
23	Behavior of Pile Subject to Excavation-Induced Soil Movement. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2000, 126, 947-954.	1.5	95
24	Practical Method for Settlement Analysis of Pile Groups. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2000, 126, 890-897.	1.5	5
25	A method for the analysis of large vertically loaded pile groups. , 1999, 23, 243-262.		8
26	Variational solution for vertically loaded pile groups in an elastic half-space. Geotechnique, 1999, 49, 199-213.	2.2	33
27	A variational approach for vertical deformation analysis of pile group. International Journal for Numerical and Analytical Methods in Geomechanics, 1997, 21, 741-752.	1.7	37
28	ANALYSIS OF PILES USED FOR SLOPE STABILIZATION. International Journal for Numerical and Analytical Methods in Geomechanics, 1996, 20, 635-646.	1.7	66
29	ANALYSIS OF PILES USED FOR SLOPE STABILIZATION. , 1996, 20, 635.		4
30	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.	1.7	22
31	Dynamic Compaction of Loose Granular Soils: Effect of Print Spacing. Journal of Geotechnical Engineering, 1994, 120, 1115-1133.	0.4	62
32	Negative skin friction on single piles in a layered half-space. International Journal for Numerical and Analytical Methods in Geomechanics, 1993, 17, 625-645.	1.7	7
33	Further Contributions to Reliability-Based Pile-Settlement Analysis. Journal of Geotechnical Engineering, 1992, 118, 726-741.	0.4	10
34	Dynamic Compaction Analysis. Journal of Geotechnical Engineering, 1992, 118, 1141-1157.	0.4	68
35	Pile-Cap-Pile-Group Interaction in Nonhomogeneous Soil. Journal of Geotechnical Engineering, 1991, 117, 1655-1668.	0.4	36
36	Pile group settlement: A probabilistic approach. International Journal for Numerical and Analytical Methods in Geomechanics, 1991, 15, 817-832.	1.7	10

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37	Dynamic response of surface foundations on layered media. Earthquake Engineering and Structural Dynamics, 1991, 20, 1065-1081.	2.5	8
38	A theoretical study of pile heave. Geotechnique, 1990, 40, 1-14.	2.2	22
39	Negative skin friction on pile groups. International Journal for Numerical and Analytical Methods in Geomechanics, 1990, 14, 75-91.	1.7	38
40	Settlement Analysis of Socketed Pile Groups. Journal of Geotechnical Engineering, 1990, 116, 1171-1184.	0.4	6
41	Reliability Analysis of Pile Settlement. Journal of Geotechnical Engineering, 1990, 116, 1717-1734.	0.4	48
42	Closure to "Rational Wave Equation Model for Pile Driving Analysis" by S. L. Lee, Y. K. Chow, G. P. Karunaratne, and K. Y. Wong (March, 1988, Vol. 114, No. 3). Journal of Geotechnical Engineering, 1989, 115, 1195-1197.	0.4	0
43	Axially loaded piles and pile groups embedded in a cross-anisotropic soil. Geotechnique, 1989, 39, 203-212.	2.2	33
44	Reply by authors to E. kausel. Earthquake Engineering and Structural Dynamics, 1989, 18, 1085-1085.	2.5	1
45	Prediction of pile capacity from stress-wave measurements: Some numerical aspects. International Journal for Numerical and Analytical Methods in Geomechanics, 1988, 12, 505-512.	1.7	3
46	Dynamic finite strip analysis of surface foundations. Earthquake Engineering and Structural Dynamics, 1988, 16, 457-467.	2.5	9
47	Rational Wave Equation Model for Pile Driving Analysis. Journal of Geotechnical Engineering, 1988, 114, 306-325.	0.4	72
48	Prediction of load-carrying capacity of driven piles. Canadian Geotechnical Journal, 1988, 25, 13-23.	1.4	15
49	Iterative analysis of pile-soil-pile interaction. Geotechnique, 1987, 37, 321-333.	2.2	11
50	Three-Dimensional Analysis of Pile Groups. Journal of Geotechnical Engineering, 1987, 113, 637-651.	0.4	17
51	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.	1.7	33
52	Response of pile groups subjected to lateral loads. International Journal for Numerical and Analytical Methods in Geomechanics, 1987, 11, 307-314.	1.7	22
53	Interaction between jack-up rig foundations and offshore platform piles. International Journal for Numerical and Analytical Methods in Geomechanics, 1987, 11, 325-344.	1.7	4
54	Axial and lateral response of pile groups embedded in nonhomogeneous soils. International Journal for Numerical and Analytical Methods in Geomechanics, 1987, 11, 621-638.	1.7	58

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55	Vertical vibration of three-dimensional rigid foundations on layered media. Earthquake Engineering and Structural Dynamics, 1987, 15, 585-594.	2.5	17
56	Analysis of vertically loaded pile groups. International Journal for Numerical and Analytical Methods in Geomechanics, 1986, 10, 59-72.	1.7	174
57	Simplified analysis of dynamic response of rigid foundations with arbitrary geometries. Earthquake Engineering and Structural Dynamics, 1986, 14, 643-653.	2.5	15
58	Analysis of dynamic behaviour of piles. International Journal for Numerical and Analytical Methods in Geomechanics, 1985, 9, 383-390.	1.7	2
59	Accuracy of consistent and lumped viscous dampers in wave propagation problems. International Journal for Numerical Methods in Engineering, 1985, 21, 723-732.	1.5	10
60	Static and periodic infinite solid elements. International Journal for Numerical Methods in Engineering, 1981, 17, 503-526.	1.5	108