Kohji Tokimatsu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10969939/publications.pdf

Version: 2024-02-01

47 papers	2,855 citations	394421 19 h-index	265206 42 g-index
48 all docs	48 docs citations	48 times ranked	1362 citing authors

#	Article	IF	Citations
1	Standard Penetration Test-Based Probabilistic and Deterministic Assessment of Seismic Soil Liquefaction Potential. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2004, 130, 1314-1340.	3.0	493
2	Evaluation of Settlements in Sands Due to Earthquake Shaking. Journal of Geotechcnical Engineering, 1987, 113, 861-878.	0.4	396
3	Empirical Correlation of Soil Liquefaction Based on SPT N-Value and Fines Content. Soils and Foundations, 1983, 23, 56-74.	3.1	314
4	Effects of Multiple Modes on Rayleigh Wave Dispersion Characteristics. Journal of Geotechcnical Engineering, 1992, 118, 1529-1543.	0.4	283
5	EFFECTS OF LIQUEFACTION-INDUCED GROUND DISPLACEMENTS ON PILE PERFORMANCE IN THE 1995 HYOGOKEN-NAMBU EARTHQUAKE. Soils and Foundations, 1998, 38, 163-177.	0.7	224
6	Effects of inertial and kinematic interaction on seismic behavior of pile with embedded foundation. Soil Dynamics and Earthquake Engineering, 2005, 25, 753-762.	3.8	137
7	BUILDING DAMAGE ASSOCIATED WITH GEOTECHNICAL PROBLEMS. Soils and Foundations, 1996, 36, 219-234.	0.7	123
8	Undrained Cyclic Shear Strength of a Dense Niigata Sand. Soils and Foundations, 1984, 24, 131-145.	3.1	110
9	Elastic and Large-Strain Nonlinear Seismic Site Response from Analysis of Vertical Array Recordings. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 1789-1801.	3.0	104
10	Soil Liquefactionâ€“Induced Uplift of Underground Structures: Physical and Numerical Modeling. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2014, 140, .	3.0	97
11	Use of Shortâ€Period Microtremors for Vs Profiling. Journal of Geotechcnical Engineering, 1992, 118, 1544-1558.	0.4	81
12	Liquefactionâ€Induced Damage to Buildings in 1990 Luzon Earthquake. Journal of Geotechcnical Engineering, 1994, 120, 290-307.	0.4	61
13	New charts for predicting large residual post-liquefaction ground deformation. Soil Dynamics and Earthquake Engineering, 1998, 17, 427-438.	3.8	54
14	Liquefaction-Induced Lateral Load on Pile in a Medium D_rSand Layer. Journal of Earthquake Engineering, 2009, 13, 916-938.	2.5	50
15	V Determination from Steady State Rayleigh Wave Method. Soils and Foundations, 1991, 31, 153-163.	3.1	48
16	One-Dimensional Volume Change Characteristics of Sands Under Very Low Confining Stresses. Soils and Foundations, 1975, 15, 51-60.	3.1	30
17	Seismic Earth Pressure Theory for Retaining Walls Under any Lateral Displacement. Soils and Foundations, 1998, 38, 143-163.	3.1	26
18	Comparison of Equivalent Linear and Nonlinear Site Response Analysis Results and Model to Estimate Maximum Shear Strain. Earthquake Spectra, 2016, 32, 1867-1887.	3.1	23

#	Article	IF	Citations
19	Lateral spreading near deep foundations and influence of soil permeability. Canadian Geotechnical Journal, 2017, 54, 846-861.	2.8	16
20	Factors affecting stress distribution of a 3Ã—3 pile group in dry sand based on three-dimensional large shaking table tests. Soils and Foundations, 2014, 54, 699-712.	3.1	15
21	EFFECTS OF DYNAMIC SOIL-PILE-STRUCTURE INTERACTION ON PILE STRESS. Journal of Structural and Construction Engineering, 2005, 70, 125-132.	0.5	14
22	Three-dimensionalVS profiling using microtremors in Kushiro, Japan. Earthquake Engineering and Structural Dynamics, 2008, 37, 845-859.	4.4	14
23	CORRELATIONS BETWEEN CPT DATA AND SOIL CHARACTERISTICS OBTAINED FROM SPT. Journal of Structural and Construction Engineering, 2003, 68, 73-80.	0.5	13
24	BUCKLING STRESS OF SLENDER PILE WITH LATERAL DISPLACEMENT AT THE PILE HEAD IN LIQUEFIED SOIL. Journal of Structural and Construction Engineering, 2007, 72, 169-175.	0.5	12
25	NONLINEAR DYNAMIC PROPERTIES OF SURFACE SOILS ESTIMATED FROM STRONG MOTION ACCELEROGRAMS AT K-NET AND JMA STATIONS IN OJIYA. Journal of Structural and Construction Engineering, 2006, 71, 43-49.	0.5	10
26	EFFECTS OF RAYLEIGH TO LOVE WAVE AMPLITUDE RATIO ON MICROTREMOR HORIZONTAL-TO-VERTICAL SPECTRAL RATIO. Journal of Structural and Construction Engineering, 1998, 63, 69-75.	0.5	10
27	BUCKLING STRESS OF STEEL PILE WITH VERTICAL LOAD IN LIQUEFIED SOIL. Journal of Structural and Construction Engineering, 2005, 70, 73-78.	0.5	8
28	HORIZONTAL-TO-VERTICAL AMPLITUDE RATIO OF SHORT-PERIOD MICROTREMORS AND ITS RELATION TO SITE CHARACTERISTICS. Journal of Structural and Construction Engineering, 1994, 59, 11-18.	0.5	7
29	DEEP SHEAR-WAVE STRUCTURE AND EARTHQUAKE GROUND MOTION CHARACTERISTICS IN SUMIYOSHI AREA, KOBE CITY, BASED ON MICROTREMOR MEASUREMENTS. Journal of Structural and Construction Engineering, 1997, 62, 37-45.	0.5	4
30	MODELING OF HORIZONTAL SUBGRADE REACTION OF PILE DURING SOIL LIQUEFACTION BASED ON LARGE SHAKING TABLE TESTS. Journal of Structural and Construction Engineering, 2002, 67, 135-141.	0.5	4
31	EXPERIMENTAL AND NUMERICAL STUDY ON INFLUENCE OF OVERTURNING MOMENT ON LATERAL LOAD DISTRIBUTION WITHIN A PILE GROUP. Journal of Structural and Construction Engineering, 2015, 80, 427-434.	0.5	4
32	CHARCTERISTICS OF SURFACE WAVES IN SHORT-PERIOD MICROTREMORS AND THEIR RELATOIN TO SHEAR-WAVE STRUCTURES. Journal of Structural and Construction Engineering, 1995, 60, 47-55.	0.5	4
33	CORRELATIONS BETWEEN CPT DATA AND LIQUEFACTION RESISTANCE OF IN SITU FROZEN SAMPLES. Journal of Structural and Construction Engineering, 2003, 68, 81-88.	0.5	4
34	INVESTIGATION ON PILE FOUNDATIONS OF HIGH-RISE BUILDINGS INCLINED LARGELY IN THE HYOGOKEN-NAMBU EARTHQUAKE. Journal of Structural and Construction Engineering, 1999, 64, 69-76.	0.5	3
35	EVALUATION OF SEISMIC EARTH PRESSURE ACTING ON EMBEDDED FOOTING BASED ON LIQUEFACTION TEST USING LARGE SCALE SHEAR BOX. Journal of Structural and Construction Engineering, 2003, 68, 101-106.	0.5	3
36	Geotechnical Problems in the 2007 Niigata-ken Chuetsu-oki Earthquake. , 2008, , .		3

#	Article	IF	Citations
37	A simplified model to estimate non-liquefiable NEHRP F site design spectra. Soil Dynamics and Earthquake Engineering, 2018, 110, 28-42.	3.8	3
38	EVALUATION OF LATERAL SUBGRADE REACTION OF PILE DURING SOIL LIQUEFACTION BASED ON LARGE SHAKING TABLE TESTS. Journal of Structural and Construction Engineering, 2002, 67, 57-64.	0.5	3
39	CORRELATION BETWEEN SOIL LIQUEFACTION DURING EARTHQUAKE AND CPT DATA. Journal of Structural and Construction Engineering, 2003, 68, 95-102.	0.5	2
40	MODEL TESTS ON INSTALLATION AND SKIN BEARING CAPACITY OF SCREWED STEEL PILE WITH SPIRAL WINGS. Journal of Structural and Construction Engineering, 2014, 79, 1825-1833.	0.5	1
41	INSTALLATION TORQUE AND SHAFT RESISTANCE OF SCREWED STEEL PILE WITH SPIRAL WINGS. Journal of Structural and Construction Engineering, 2015, 80, 1287-1295.	0.5	1
42	INVERSION OF RAYLEIGH WAVE DISPERSION CURVE IN CONSIDERATION OF HIGHER MODES AND PARTICLE ORBITS. Journal of Structural and Construction Engineering (Transactions of AIJ), 1992, 432, 97-103.	0.0	1
43	EFFECTS OF SHAFT AND WING DIAMETERS OF A WING PILE ON BEARING CAPACITY AND PULL-OUT RESISTANCE UNDER ALTERNATELY CYCLIC VERTICAL LOADING. Journal of Structural and Construction Engineering, 2015, 80, 1113-1122.	0.5	0
44	EFFECTS OF CYCLIC VERTICAL LOADING ON BEARING CAPACITY AND PULL-OUT RESISTANCE OF A PILE WITH OR WITHOUT SPIRAL WINGS. Journal of Structural and Construction Engineering, 2016, 81, 725-733.	0.5	0
45	CORRELATION BETWEEN SOIL LIQUEFACTION DURING EARTHQUAKE AND SHEAR WAVE VELOCITY. Journal of Structural and Construction Engineering, 2004, 69, 67-74.	0.5	0
46	CHARACTERISTICS OF STRONG-MOTION RECORDS FROM THE 1985 CHILE EARTHQUAKE : Site conditions and site effects on the records. Journal of Structural and Construction Engineering (Transactions of AIJ), 1992, 437, 75-82.	0.0	0
47	SHAFT RESISTANCE OF STEEL PILES WITH CONTINUOUS HELICAL WING. AIJ Journal of Technology and Design, 2017, 23, 83-86.	0.3	0