Kazuo Konagai

List of Publications by Year
in descending order

101	1,245	394286 19	395590 33
papers	citations	h-index	g-index

104	104	104	729
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nonlinear Soilâ€Pile Interaction Model for Dynamic Lateral Motion. Journal of Geotechcnical Engineering, 1992, 118, 89-106.	0.4	166
2	Time Domain Axial Response of Dynamically Loaded Single Piles. Journal of Engineering Mechanics - ASCE, 1986, 112, 1241-1252.	1.6	103
3	Time Domain Flexural Response of Dynamically Loaded Single Piles. Journal of Engineering Mechanics - ASCE, 1988, 114, 1512-1525.	1.6	79
4	Kizawa tunnel cracked on 23 October 2004 Mid-Niigata earthquake: An example of earthquake-induced damage to tunnels in active-folding zones. Soil Dynamics and Earthquake Engineering, 2009, 29, 394-403.	1.9	47
5	Dynamic Response of Vertically Loaded Nonlinear Pile Foundations. Journal of Geotechcnical Engineering, 1987, 113, 147-160.	0.4	44
6	Seismic isolation effect of a tunnel covered with coating material. Tunnelling and Underground Space Technology, 2000, 15, 437-443.	3.0	42
7	Fault induced permanent ground deformations: Experimental verification of wet and dry soil, numerical findingsâ€™ relation to field observations of tunnel damage and implications for design. Soil Dynamics and Earthquake Engineering, 2007, 27, 938-956.	1.9	39
8	Reconnaissance Investigation on the Damage of the 2009 L'Aquila, Central Italy Earthquake. Journal of Earthquake Engineering, 2010, 14, 817-841.	1.4	39
9	Key parameters governing the performance of soft tunnel coating for seismic isolation. Earthquake Engineering and Structural Dynamics, 2001, 30, 1333-1343.	2.5	38
10	Numerical analysis of nonlinear soilâ€“pile group interaction under lateral loads. Soil Dynamics and Earthquake Engineering, 2007, 27, 463-474.	1.9	35
11	Recent rainfall-induced rapid and long-traveling landslide on 17 May 2016 in Aranayaka, Kagelle District, Sri Lanka. Landslides, 2019, 16, 155-164.	2.7	34
12	Maps of soil subsidence for Tokyo bay shore areas liquefied in the March 11th, 2011 off the Pacific Coast of Tohoku Earthquake. Soil Dynamics and Earthquake Engineering, 2013, 53, 240-253.	1.9	33
13	Fault induced permanent ground deformationsâ€”an experimental comparison of wet and dry soil and implications for buried structures. Soil Dynamics and Earthquake Engineering, 2006, 26, 45-53.	1.9	29
14	Single beam analogy for describing soilâ€“pile group interaction. Soil Dynamics and Earthquake Engineering, 2003, 23, 31-39.	1.9	28
15	An example of landslide-inflicted damage to tunnel in the 2004 Mid-Niigata Prefecture earthquake. Landslides, 2005, 2, 159-163.	2.7	27
16	Partial breaching of Hattian Bala Landslide Dam formed in the 8th October 2005 Kashmir Earthquake, Pakistan. Landslides, 2012, 9, 1-11.	2.7	27
17	Simple evaluation of the effect of seismic isolation by covering a tunnel with a thin flexible material. Soil Dynamics and Earthquake Engineering, 2001, 21, 287-295.	1.9	24
18	Data archives of seismic fault-induced damage. Soil Dynamics and Earthquake Engineering, 2005, 25, 559-570.	1.9	24

#	Article	IF	Citations
19	Breaching Failure of a Huge Landslide Dam Formed by the 2005 Kashmir Earthquake. Soils and Foundations, 2011, 51, 1179-1190.	1.3	22
20	Numerical simulation for runout process of debris flow using depth-averaged material point method. Soils and Foundations, 2016, 56, 869-888.	1.3	22
21	LASER-AIDED TOMOGRAPHY: A TOOL FOR VISUALIZATION OF CHANGES IN THE FABRIC OF GRANULAR ASSEMBLAGE. Doboku Gakkai Ronbunshu, 1992, 1992, 25-33.	0.2	19
22	Measurement of debris mass changes and assessment of the dam-break flood potential of earthquake-triggered Hattian landslide dam. Landslides, 2011, 8, 171-182.	2.7	19
23	SIMULATION OF NONLINEAR SOIL-STRUCTURE INTERACTION ON A SHAKING TABLE. Journal of Earthquake Engineering, 2002, 6, 31-51.	1.4	18
24	LAS COLINAS LANDSLIDE CAUSED BY THE JANUARY 13, 2001 OFF THE COAST OF EL SALVADOR EARTHQUAKE. Journal of Japan Association for Earthquake Engineering, 2002, 2, 1-15.	0.0	18
25	Landslides triggered by the West Japan Heavy Rain of July 2018, and geological and geomorphological features of soaked mountain slopes. Landslides, 2019, 16, 189-194.	2.7	18
26	Analog circuit to simulate dynamic soilâ€“structure interaction in shake table test. Soil Dynamics and Earthquake Engineering, 1998, 17, 279-287.	1.9	17
27	Timeâ€Domain Axial Response of Dynamically Loaded Pile Groups. Journal of Engineering Mechanics - ASCE, 1987, 113, 417-430.	1.6	16
28	Substantiation of debris flow velocity from super-elevation: a numerical approach. Landslides, 2017, 14, 633-647.	2.7	16
29	Tectonic deformation buildup in folded mountain terrains in the October 23, 2004, Mid-Niigata earthquake. Soil Dynamics and Earthquake Engineering, 2009, 29, 261-267.	1.9	15
30	STIFFNESS DESIGN OF ISOLATION RUBBER FOR CENTER COLUMNS OF TUNNEL. Doboku Gakkai Ronbunshu, 2001, 2001, 415-420.	0.2	14
31	SIMPLE EXPRESSION OF THE DYNAMIC STIFFNESS OF GROUPED PILES IN SWAY MOTION. Journal of Earthquake Engineering, 2000, 4, 355-376.	1.4	11
32	A Simplified Method for Expression of the Dynamic Stiffnesses of Large-Scaled Grouped Piles in Sway and Rocking Motions. Journal of Applied Mechanics, 2001, 4, 415-422.	0.1	11
33	TWO DIMENSIONAL LAGRANGIAN PARTICLE FINITE DIFFERENCE METHOD FOR MODELING LARGE SOIL DEFORMATIONS. Doboku Gakkai Ronbunshu, 2001, 2001, 25-30.	0.2	8
34	Field Measurements and Numerical Simulation of Debris Flows from Dolomite Slopes Destabilized during the 2005 Kashmir Earthquake, Pakistan. Journal of Earthquake Engineering, 2014, 18, 364-388.	1.4	8
35	Co-seismic stress changes and damage to tunnels in the 23 October 2004 Mid-Niigata Prefecture earthquake. Canadian Geotechnical Journal, 2018, 55, 736-748.	1.4	8
36	A hands-on approach to estimate debris flow velocity for rational mitigation of debris hazard. Canadian Geotechnical Journal, 2018, 55, 941-955.	1.4	8

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37	Mapping of liquefaction risk on road network based on relationship between liquefaction potential and liquefaction-induced road subsidence. Soils and Foundations, 2020, 60, 1202-1214.	1.3	8
38	Las Colinas landslide: Rapid and long-traveling soil flow caused by the January 13, 2001, El Salvador earthquake. , 2004, , .		7
39	A NEW METHOD FOR THE RUN-OUT ANALYSIS AND MOTION PREDICTION OF RAPID AND LONG-TRAVELING LANDSLIDES WITH MPM. Doboku Gakkai Ronbunshuu C, 2007, 63, 93-109.	0.1	7
40	Estimation of the past and future landslide hazards in the neighboring slopes of the 2016 Aranayake landslide, Sri Lanka. Landslides, 2020, 17, 1727-1738.	2.7	6
41	Simulation of Nonlinear Soil-Structure Interaction on a Shaking Table. Journal of Earthquake Engineering, 2002, 06, 31-51.	1.4	6
42	Extracting earthquake induced Lagrangian ground displacements and their implication for source inversion analysis. Soil Dynamics and Earthquake Engineering, 2013, 48, 198-208.	1.9	5
43	Evidence of a hidden landslide slip surface beneath a mountain hamlet. Environmental Earth Sciences, 2014, 71, 4615-4624.	1.3	5
44	More than just technology for landslide disaster mitigation: signatories to The Kyoto Landslide Commitment 2020â€"No. 1. Landslides, 2021, 18, 513-520.	2.7	5
45	Recent Landslide Damming Events and Their Hazard Mitigation Strategies. , 0, , .		5
46	Subgrade model for transient response analysis of multiple embedded bodies. Earthquake Engineering and Structural Dynamics, 1994, 23, 1097-1114.	2.5	4
47	DAMAGE INVESTIGATION AND SOURCE CHARACTERIZATION OF THE 2014 NORTHERN PART OF NAGANO PREFECTURE EARTHQUAKE. Journal of Japan Society of Civil Engineers Ser A1 (Structural Engineering &) Tj ETQq1 1 0.784314 rgBT /Ov		
48	DIAGONAL EXPANSION AND CONTRACTION OF A CIRCULAR TUNNEL DURING EARTHQUAKES. Doboku Gakkai Ronbunshu, 1998, 1998, 47-51.	0.2	3
49	REAL TIME CONTROL OF SHAKING TABLE FOR SOIL-STRUCTURE INTERACTION SIMULATION. Doboku Gakkai Ronbunshu, 1998, 1998, 203-210.	0.2	3
50	Surface Fault Rupture through a Ridge in an Aftershock of the 2011 Tohoku Earthquake. , 2013, , .		3
51	Invited and accepted speakers of the Fifth World Landslide Forum in Kyoto, 2020. Landslides, 2019, 16, 431-446.	2.7	3
52	More than just technology for landslide disaster mitigationâ€"signatories to The Kyoto Landslide Commitment 2020â€"No. 2. Landslides, 2021, 18, 799-805.	2.7	3
53	More than just technology for landslide disaster mitigation: signatories to The Kyoto Landslide Commitment 2020â€"No. 3. Landslides, 2021, 18, 1951-1957.	2.7	3
54	Survey report on Liquefaction-induced damage in Urayasu city caused by The 2011 of the Pacific coast of Tohoku Earthquake. Japanese Geotechnical Journal, 2012, 7, 265-273.	0.0	3

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55	FUNDAMENTAL STUDY FOR ESTIMATION OF INITIAL GEO-STRESS USING THE ACOUSTIC EMISSION. Doboku Gakkai Ronbunshu, 1985, 1985, 23-30.	0.2	2
56	DEPENDENCE ON FREQUENCY OF DYNAMIC INTER-PARTICLE DISLOCATION WITHIN A SLOPE. Doboku Gakkai Ronbunshu, 1994, 1994, 21-29.	0.2	2
57	RECONNAISSANCE REPORT ON THE 2000 TOTTORI-KEN SEIBU EARTHQUAKE. Doboku Gakkai Ronbunshuu A, 2007, 63, 374-385.	0.3	2
58	RESEARCH AND DEVELOPMENT FOR PREVENTING DERAILMENT BY LARGE-SCALE EARTHQUAKES. Journal of Japan Society of Civil Engineers Ser F6 (Safety Problem), 2013, 69, 1-18.	0.1	2
59	AN ATTEMPT FOR VELOCITY ESTIMATION OF NEBUKAWA DEBRIS FLOW TRIGGERED BY THE GREAT KANTO EARTHQUAKE, 1923. Journal of Japan Society of Civil Engineers Ser A1 (Structural Engineering &) Tj ETQq1 1 0.784314 rgBT /Overlock	0.1	2
60	IDENTIFICATION OF FACTORS AFFECTING LIQUEFACTION-INDUCED ROAD SUBSIDENCE IN URAYASU CITY EXTRACTED FROM DIGITA SURFACE MODELS. Journal of Japan Society of Civil Engineers Ser C (Geosphere) Tj ETQq1 1 0 rgBT /Overlock	0.1	2
61	GROUND DEFORMATION BUILT UP ALONG SEISMIC FAULT ACTIVATED IN THE 2016 KUMAMOTO EARTHQUAKE. Journal of Japan Society of Civil Engineers Ser A1 (Structural Engineering & Earthquake Engineering) Tj ETQq1 1 0.784314 rgBT /Overlock	0.1	2
62	Establishment of ICL-Japan for the Kyoto 2020 commitment. Landslides, 2018, 15, 2109-2111.	2.7	2
63	Liquefaction-induced ground subsidence extracted from Digital Surface Models and its application to hazard map of Urayasu city, Japan. Japanese Geotechnical Society Special Publication, 2016, 2, 829-834.	0.2	2
64	Earthquake Response Analysis of Ground Surface by Wave Front Tracing Method.. Journal of Physics of the Earth, 1992, 40, 285-295.	1.4	2
65	Co-seismic stress changes and triggering mechanism of earthquake-induced landslides: a case of 2005 Kashmir earthquake. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	2
66	STUDY ON RESPONSE CHARACTERISTICS OF A PILE UNDER VERTICAL EXCITATION. Proceedings of the Japan Society of Civil Engineers, 1982, 1982, 11-21.	0.1	1
67	STUDY ON PESPONSE CHARACTERISTICS OF A PILE UNDER HORIZONTAL EXCITATION. Proceedings of the Japan Society of Civil Engineers, 1983, 1983, 49-58.	0.1	1
68	NORMAL COMPLIANCE OF A RIGID CIRCULAR DISK IN AN INFINITE ELASTIC SOLID. Proceedings of the Japan Society of Civil Engineers, 1983, 1983, 231-234.	0.1	1
69	Geological and Microtremor Survey, Damage Distribution, and Reconstruction of Muzaffarabad and Surroundings after the 2005 Kashmir Earthquake. , 2008, , .		1
70	Earthquake-induced soil displacements and their impact on rehabilitations. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2011, 87, 433-449.	1.6	1
71	Shear Plane Found in the Interior of Soil/Rock near a Tunnel Damaged in 2004 Niigata-Ken Chuetsu Earthquake. Advanced Materials Research, 0, 368-373, 1621-1625.	0.3	1
72	Simple Expression of the Ultimate Lateral Resistance of Piles on Sand based on Active Pile Length. Journal of Japan Society of Civil Engineers Ser A1 (Structural Engineering & Earthquake Engineering) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5		1

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73	DETECTION OF HIDDEN LANDSLIDES IN THE MOUNTAIN TERRAIN AFFECTED BY THE MID-NIIGATA EARTHQUAKE OF OCT. 23RD, 2004. Journal of Japan Society of Civil Engineers Ser A1 (Structural) Tj ETQq1 1 0.784314 rgBT /Overlock 10		0
74	CREATION OF A NEW LIQUEFACTION HAZARD MAP REFLECTING RELATIONSHIP BETWEEN LIQUEFACTION POTENTIAL AND LIQUEFACTION-INDUCED ROAD SUBSIDENCE. Journal of Japan Society of Civil Engineers Ser A1 (Structural Engineering & Earthquake Engineering (SE/EE)), 2016, 72, I_234-I_240.	0.1	1
75	Ultimate Lateral Resistance of Piles in Soils Based on Active Pile Length. , 2017, , 525-534.		1
76	Annex of establishment of ICL-Japan for the Kyoto 2020 Commitment. Landslides, 2018, 15, 2315-2319.	2.7	1
77	More than just technology for landslide disaster mitigationâ€"signatories to the Kyoto Landslide Commitment 2020â€"no. 4. Landslides, 2021, 18, 2335.	2.7	1
78	EXPERIMENTS STUDY ON SOIL-PILE DYNAMICS USING ELECTROMAGNETIC INDUCTION TYPE SHOCK WAVE SOURCE. Doboku Gakkai Ronbunshu, 1985, 1985, 175-184.	0.2	0
79	A PHOTOELASTIC METHOD FOR DISPLACEMENT MEASUREMENT ON ROUGH SURFACES OF OPAQUE MATERIALS. Doboku Gakkai Ronbunshu, 1986, 1986, 67-73.	0.2	0
80	Earthquake Response Analysis of a Soft Soil Deposit on Uneven Bedrock.. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 1993, 69, 107-112.	1.6	0
81	DEFORMATION BUILD UP WITHIN A GRANULAR ASSEMBLAGE DURING AN INTENSE EARTHQUAKE. Journal of Earthquake Engineering, 1998, 2, 419-441.	1.4	0
82	Simple approach to obtain ground amplification motion of surface soil deposits with a radical change of depth. Canadian Geotechnical Journal, 2005, 42, 491-498.	1.4	0
83	Prediction of Lateral Response of Nonlinear Soil-Pile Group Interaction. , 2006, , 1.		0
84	RECONNAISSANCE REPORT ON THE 2000 TOTTORI-KEN SEIBU EARTHQUAKE. Structural Engineering/Earthquake Engineering, 2007, 24, 1s-12s.	0.3	0
85	A METHOD FOR COMBINING MICROTREMOR MEASUREMENTS AND WIDE-AREA GROUND RESPONSE ANALYSIS. Journal of Japan Society of Civil Engineers Ser A1 (Structural Engineering & Earthquake) Tj ETQq1 1 0.784314 rgBT /Overlock		0
86	ROAD BRIDGES IN MINAMI-SANRIKU WASHED AWAY IN THE MARCH 11th 2011 GREAT EAST JAPAN EARTHQUAKE AND TSUNAMI. Journal of Japan Society of Civil Engineers Ser A1 (Structural Engineering) Tj ETQq0 0 0 rgBT /Overlock 10	0.1	0
87	SURFACE RUPTURE OF THE NORMAL SEISMIC FAULTS AND SLOPE FAILURES APPEARED IN APRIL 11th, 2011 FUKUSHIMA-PREFECTURE HAMADOORI EARTHQUAKE. Journal of Japan Society of Civil Engineers Ser A1 (Structural Engineering & Earthquake Engineering (SE/EE)), 2012, 68, I_1285-I_1292.	0.1	0
88	ESTIMATE OF THE LIQUEFACTION STRENGTH OF SHINKIBA, TOKYO, JAPAN, THAT LIQUEFIED BY THE 2011 OFF THE PACIFIC COAST OF TOHOKU EARTHQUAKE. Journal of Japan Society of Civil Engineers Ser A1 (Structural Engineering & Earthquake Engineering (SE/EE)), 2013, 69, I_678-I_687.	0.1	0
89	STRONG GROUND MOTION ESTIMATION IN HOKKAIDO AREA AND DAMAGE ESTIAMTION OF THE ROAD BRIDGE STRUCTURES. Journal of Japan Society of Civil Engineers Ser A1 (Structural Engineering &) Tj ETQq1 1 0.784314 rgBT /Overlock		0
90	GROUND MOTIONS RECORDED AT BOTH ENDS OF LONG SUSPENSION BRIDGE DURING EARTHQUAKE NEAR AWAJISHIMA ON APRIL 13, 2013. Journal of Japan Society of Civil Engineers Ser A1 (Structural) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 57		0

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91	PROPOSAL OF SIMPLIFIED STRONG GROUND MOTION PREDICTION METHOD FOR SYNTHETIC PROCEDURE USING FAULT MODEL REFLECTING NONLINEAR SITE EFFECT. Journal of Japan Society of Civil Engineers Ser A1 (Structural Engineering & Earthquake Engineering (SE/EE)), 2014, 70, I_252-I_262.	0.1	0
92	EFFECTS OF GROUND SURFACE CONDITIONS ON LIQUEFACTION-INDUCED GROUND SUBSIDENCE OBSERVED THROUGH DIGITAL SURFACE MODELS. Journal of Japan Society of Civil Engineers Ser A1 (Structural) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.1	0
93	Actual Threat of Earthquakes. Journal of the Society of Mechanical Engineers, 2009, 112, 790-793.	0.0	0
94	Extracting Earthquake Induced Coherent Soil Mass Movements. , 0, , .		0
95	Introduction: Earthquake-Induced Landslides. , 2014, , 137-140.		0
96	Visualization of Chages in Configuration of Coarse Particle Assemblages making up Civil Engineering Structures.. Journal of the Visualization Society of Japan, 1992, 12, 224-230.	0.0	0
97	Session Introduction Earthquake-Induced Landslide. , 2017, , 3-4.		0
98	EFFECT OF SURFACE LAYER FREEZE TO SOIL-PILE INTERACTION. Journal of Japan Society of Civil Engineers Ser A1 (Structural Engineering & Earthquake Engineering (SE/EE)), 2019, 75, I_426-I_432.	0.1	0
99	SATREPS Project for Sri Lanka with Regard to â€œDevelopment of Early Warning Technology of Rain-Induced Rapid and Long-Travelling Landslidesâ€• ICL Contribution To Landslide Disaster Risk Reduction, 2021, , 205-214.	0.3	0
100	Recent Earthquakes that Hit Areas Covered and/or Underlain by Pyroclastic Matters and Their Impacts on Lifelines. ICL Contribution To Landslide Disaster Risk Reduction, 2021, , 3-18.	0.3	0
101	Extracting Necessary Pparameters from Real Landslide Mass for Mitigating Landslide Disaster. , 2007, , 277-284.		0