Resume and Professional Record (as of April 1, 2017)

Name:	Junichi KOSEKI
Birth:	April 22, 1962 - Tokyo, Japan
Affiliation:	Professor, Department of Civil Engineering, The University of Tokyo
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Education:	B. Eng., Univ. Tokyo (1985)
	M. Eng., Univ. Tokyo (1987)
	D. Eng., Univ. Tokyo (1994)
Experience:	1987-1994: Researcher and Senior Researcher, Public Works
	Research Institute, Ministry of Construction, Japan
	1991-1992: Visiting Engineer, Massachusetts Institute of Technology, USA
	1994-2003: Associate Professor, Institute of Industrial Science, University of Tokyo
	2003-2014: Professor, Institute of Industrial Science, University of Tokyo
	2014-current: Professor, Department of Civil Engineering, University of Tokyo
	2007-2008: Chief of Research Department, IIS, University of Tokyo
	2010-2011: Adviser to the President, University of Tokyo
	2012-2013: Head of Department of Civil Engineering, Graduate School,
	Oniversity of Tokyo
Specialty:	Laboratory stress-strain testing of soils
	Deformation and strength properties of geomaterials
	Dynamic behavior and seismic design of earth structures
	Soil liquefaction and its countermeasure
Awards:	June 2000: C. A. Hogentogler Award from Committee D-18 on Soil and Rock, ASTM for the paper "A triaxial testing system to evaluate stress-strain behavior of soils for wide range of strain and strain rate" co-authored with Santucci de Magistris, F. et al.

- June 2004: C. A. Hogentogler Award from Committee D-18 on Soil and Rock, ASTM for the paper "Comparison of Young's moduli of dense sand and gravel measured by dynamic and static methods" co-authored with AnhDan, L.Q. et al.
- May 2007: Best Paper Award from Japanese Geotechnical Society for the paper "Reliability-based seismic deformation analysis of reinforced soil slopes" co-authored with Shinoda, M. et al.
- March 2009: Excellent Paper Award from Taiwan Geotechnical Society for the paper "Study on resistant mechanism of aseismic countermeasure for geosynthetic-reinforced wall and leaning type retaining wall" co-authored with Nakajima, S. et al.
- May 2009: Best Paper Award from Japanese Geotechnical Society for the paper "Evaluation of tensile strength of cement-treated sand based on several types of laboratory tests" co-authored with Namikawa, T.
- May 2010: Best Paper Award from Japanese Geotechnical Society for the paper "Aging effects on small strain shear moduli and liquefaction properties of in-situ frozen and reconstituted sandy soils" co-authored with Kyota, T. et al.
- 2010-2011; Mercer Lecturer on "Use of geosynthetics to improve seismic performance of earth structures," endorsed jointly by the International Society for Soil Mechanics and Geotechnical Engineering and the International Geosynthetics Society
- December 2011: Technical Award from Japan Chapter of International Geosynthetics Society for the report "Shaking table tests on railway ballasts reinforced by geotextiles" co-authored with Kobayashi, M. et al.
- May 2012: Service Award from Japanese Geotechnical Society
- June 2012: Best English Paper Award from Japanese Geotechnical Society for the paper "Seismic earth pressure exerted on retaining walls under a large seismic load" co-authored with Watanabe, K. and Tateyama, M.
- December 2015: Best Geosynthetics International Paper for 2014 for the paper "Performance of reinforced soil walls during the 2011 Tohoku earthquake" co-authored with Kuwano, J. and Miyata, Y.
- December 2015: 2015 Best Paper Award from Editorial Committee of Transportation Infrastructure Geotechnology
- May 2016: 2015 ASCE Outstanding Reviewer for Journal of Geotechnical and Geoenvironmental Engineering
- June 2016: Best Japanese Paper Award from Japanese Geotechnical Society for the paper "Study on effect of embedment of sheetpile for aseismic

countermeasure of retaining wall -Simulation on case histories during the 1995 Hyogo ken-Nanbu earthquake-" co-authored with Nakajima, S., Watanabe, K. and Tateyama, M.

Professional Memberships:

1985-current: Japanese Geotechnical Society
1985-current: Japan Society of Civil Engineers
1996-current: International Geosynthetics Society
2001-current: Japan Society for Earthquake Engineering
2003-current: American Society for Testing and Materials
2004-current: Membrane Structures Association of Japan
2016-current: Japan Society of Dam Engineers

Professional Activities:

1994-1999: Editorial committee for Soils and Foundations, the Japanese Geotechnical Society

1995: Panelist at 1st International Conference on Earthquake Geotechnical Engineering (IS-Tokyo 95') (Tokyo, Japan)

1999: Panelist at 2nd International Symposium on Pre-failure Deformation Characteristics of Geomaterials (IS-Torino 99') (Torino, Italy)

2001-2003: Editorial committee for Journal of Geotechnical Engineering, Japan Society of Civil Engineers

2001: Panelist at 15th International Conference on Soil Mechanics and Geotechnical Engineering (Istanbul)

2003: General reporter at 12th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering (Singapore)

2003: Keynote lecturer at 3rd International Symposium on Deformation Characteristics of Geomaterials (Lyon, France)

2003-2005: Editorial committee for Journal of Japan Society for Earthquake Engineering

2005: Panelist at 16th International Conference on Soil Mechanics and Geotechnical Engineering (Osaka, Japan)

2006: Keynote Lecturer at 8th International Symposium on Geosynthetics (Yokohama, Japan)

2006: Panelist at KGS-AGS Joint Workshop, 2006 Fall Geotechnical Engineering Conference (Daegue, Korea)

2006-2007: Ad hoc alliance member of committee on construction of secure and safe society against global changes of natural disasters, Science Council of

Japan

2006-2010: Secretary of the Japanese Geotechnical Society

2006-: Member of editorial board for Journal of GeoEngineering, Taiwan Geotechnical Society

2006-: Member of editorial board for Geosynthetics International, International Geosynthetics Society

2006-2009: Core member of TC29 on laboratory stress strain strength testing of geomaterials, International Society for Soil Mechanics and Geotechnical Engineering

2006: Head of Damage Survey Team of Japanese Geotechnical Society on 2006 Mid-Java earthquake, Indonesia

2007: Keynote Lecturer at 3rd China-Japan Geotechnical Symposium (Chongqing, China)

2007: Panelist at 5th International Symposium on Earth Reinforcement (IS-Kyusyu 07') (Fukuoka, Japan)

2007: Keynote Lecturer at 13th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering (Kolkata, India)

2008: Keynote Lecturer at 4th International Symposium on Deformation Characteristics of Geomaterials (Atlanta, USA)

2008: Keynote Lecturer at International Workshop on Contributions of Geotechnical Engineering to Sustainable Civil Constructions (Bandung, Indonesia)

2008-2010: Editor in chief for Journal of Japan Society of Civil Engineers, Division C

2009: Theme Lecturer at International Conference on Performance-Based Design in Earthquake Geotechnical Engineering (Tsukuba, Japan)

2009-2012: Member of Investigatory Advisory Board on Assessment of Seismic Safety, Nuclear Safety Commission of Japan

2009-2011: Associate editor for Journal of Civil Engineering, Korean Society of Civil Engineers

2009-2013: Secretary of TC101 on laboratory stress strain strength testing of geomaterials, International Society for Soil Mechanics and Geotechnical Engineering

2013-2017: Chair of TC101 on laboratory stress strain strength testing of geomaterials, International Society for Soil Mechanics and Geotechnical Engineering

2013: Keynote lecturer at the International Symposium on Design and Practice of Geosynthetic-Reinforced Soil Structures (Bologna, Italy)

2014-2015: Editorial committee for Soils and Foundations, the Japanese Geotechnical Society
2016-: Editor in chief for monthly journal in Japanese "Engineering for Dams"
2016-: Vice president of Japanese Geotechnical Society
2016-: Council member of International Geosynthetics Society

Authored/edited books and proceedings in English:

- 1. Critical Urban Infrastructure Handbook, CRC Press, 2014.12 (co-authored with Hamada M. et al., Section IV)
- 2. Soil Stress-strain behavior: Measurement, Modeling and Analysis, Springer, 2007 (co-edited with Ling, H. et al.)
- 3. Underground Construction Technology in Japan, Japanese Geotechnical Society, 2006.8 (co-authored with Akagi H. et al., chapter 3, CD-ROM)
- Proceedings of 8th International Conference on Geosynthetics, 2006 (co-edited with Kuwano, J.)
- 5. Geomechanics: Testing, Modeling and Simulation, Geotechnical Special Publication, No. 143, ASCE, 2005 (co-edited with Yamamuro, J.)

Journal papers in English:

- Enomoto, T., Koseki, J., Tatsuoka, F. and Sato, T.: Creep failure of natural gravelly soil and its simulation, Geotechnique, 66(11), 865-877, 2016. http://www.icevirtuallibrary.com/doi/10.1680/jgeot.15.P.144
- Enomoto, T., Koseki, J., Tatsuoka, F. and Sato, T.: Rate-dependent behavior of undisturbed gravelly soil, Soils and Foundations, 56(3), 547-558, 2016. http://dx.doi.org/10.1016/j.sandf.2016.04.018
- 3. Wananabe, K., Sawada, R. and Koseki, J.: Uplift mechanism of open-cut tunnel in liquefied ground and simplified method to evaluate the stability against uplifting, Soils and Foundations, 56(3), 412-426, 2016. http://dx.doi.org/10.1016/j.sandf.2016.04.008
- 4. Deng, J.L., Xu, Q. and Koseki, J.; How the toe loading suppresses the movements of an instable slope: Mechanisms revealed from triaxial compression tests under varied strain, Engineering Geology, Vol. 209, pp. 93-105, 2016.5
- 5. Araki, H., Koseki, J. and Sato, T.: Tensile strength of compacted rammed earth materials, Soils and Foundations, Vol. 56, No. 2, pp. 189-204, 2016.4. doi:10.1016/j.sandf.2016.02.003
- Wang, H., Koseki, J., Sato, T., Chiaro, G. and Tan Tian, J.: Effect of saturation on liquefaction resistance of iron ore fines and two sandy soils, Soils and Foundations, Vol. 56, No. 4, pp. 732-744, 2016.8
- 7. Wang, H., Sato, T., Koseki, J., Chiaro, G. and Tan Tian, J.: A system to measure volume

change of unsaturated soils in undrained cyclic triaxial tests, Geotechnical Testing Journal, ASTM, Vol.39, No.4, 2016.7 DOI: 10.1520/GTJ20150125

- 8. Enomoto, T., Koseki, J., Tatsuoka, F. and Sato, T.: Creep failure of sands exhibiting various viscosity types and its simulation, Soils and Foundations, Vol.55, No.6, 2015.12. http://dx.doi.org/10.1016/j.sandf.2015.10.002
- Koseki, J., Wakamatsu, K., Sawada, S. and Matsushita, K.: Liquefaction-induced damage to houses and its countermeasures at Minami-Kurihashi in Kuki city during the 2011 Tohoku Earthquake, Japan, Soil Dynamics and Earthquake Engineering, Vol. 79,pp.391-400, 2015.8 http://dx.doi.org/10.1016/j.soildyn.2015.07.014
- De Silva, L.I.N, Koseki, J., Chiaro, G. and Sato, T.: A stress-strain description of saturated sand under undrained cyclic torsional shear loading, Soils and Foundations, Vol.55, No.3, pp.559-574, 2015.6 http://dx.doi.org/10.1016/j.sandf.2015.04.008
- Towhata, I., Maruyama, S., Kasuda, K., Koseki, J., Wakamatsu, K., Kiku, H., Kiyota, T., Yasuda, S., Taguchi, Y., Aoyama, S. and Hayashida, T.: Liquefaction in the Kanto region during the 2011 off the pacific coast of Tohoku earthquake, Soils and Foundations, Vol.54, No.4, 859-873, 2014.8
- 12. De Silva, L.I.N, Koseki, J., Wahyudi, S. and Sato, T.: Stress-dilatancy relationships of sand in the simulation of volumetric behavior during cyclic torsional shear loadings, Soils and Foundations, 54(4), 845-858, 2014.8
- 13. Lenart, S., Koseki, J., Miyashita, Y. and Sato, T.: Large-scale triaxial tests of dense gravel material at low confining pressure, Soils and Foundations, 54(1), 45-55, 2014.2
- Kuwano, J., Miyata, Y. and Koseki, J.: Performance of reinforced soil walls during the 2011 Tohoku Earthquake, Geosynthetics International, Vol.21, No.3, pp.179-196, 2014.6
- Tatsuoka, F., Tateyama, M., Koseki, J. and Yonezawa, T.: Geosynthetic-reinforced soil structures for railways in Japan, Transportation Infrastructure Geotechnology, 1(1), 3-53, 2014.3
- Koseki, J., Mikami, T. and Sato, T.: Deformation characteristics of granular materials in cyclic one-dimensional loading tests, Transportation Infrastructure Geotechnology, 1(1), 54-67, 2014.3
- Koseki, J. and Shibuya, S.: Mitigation of disasters by earthquakes, tsunamis and rains by means of geosynthetic-reinforced soil retaining walls and embankments, Keynote Lecture of International Symposium on Design and Practice of Geosynthetic-Reinforced Soil Structures, Bologna, Italy, Transportation Infrastructure Geotechnology, 1(3-4), 231-261, 2014.12
- Tatsuoka, F., Tateyama, M., Koseki, J. and Yonezawa, T.: Geosynthetic-reinforced soil structures for railways in Japan, Transportation Infrastructure Geotechnology, 1(1), 3-53, 2014.3
- 19. Tatsuoka, F., Tateyama, M., Koseki, J. and Yonezawa, T.: Geosynthetic-reinforced soil structures for railways: twenty five year experiences in Japan, Geotechnical Engineering Journal of the SEAGS & AGSSEA 44(1), 2014.3
- 20. Kiyota, T., Koseki, J. and Sato, T.: Relationship between limiting shear strain and reduction

of shear moduli due to liquefaction in large strain torsional shear tests, Soil Dynamics and Earthquake Engineering, Vol. 49, pp.122-134, 2013.6

- 21. Enomoto, T., Qureshi, O.H., Sato, T. and Koseki, J.: Strength and deformation characteristics and small strain properties of undisturbed gravelly soils, Soils and Foundations, Vol. 53, No. 6 pp.961-965, 2013.12
- 22. Kachi, T., Kobayashi, M., Seki, M. and Koseki, J.: Reinforcement of railway ballasted track with geosynthetic bags for preventing derailment, Geosynthetic International, Vol. 20, No. 5, pp.316-331, 2013.10
- 23. Chiaro, G., Kiyota, T. and Koseki, J.: Strain localization characteristics of loose saturated Toyoura sand in undrained cyclic torsional shear tests with initial static shear, Soils and Foundations, Vol.53, No.1, pp.23-34, 2013.2
- 24. Chiaro, G., Koseki, J. and De Silva, L.I.N.: A density- and stress-dependent elasto-plastic model for sands subjected to monotonic torsional shear loading, Geotechnical Engineering Journal of SEAGS & AGSSEA, 44(2), pp.18-26, 2013.6
- Namikawa, T. and Koseki, J.: Effects of spatial correlation on compression behavior of a cement-treated column, Journal of Geotechnical and Geoenvironmental Engineering, ASCE, Vol. 139, No. 8, pp.1346-1359, 2013
- 26. Koseki, J., Koda, M., Matsuo, S., Takasaki, H. and Fujiwara, T.: Damage to railway earth structures and foundations caused by the 2011 off the Pacific Coast of Tohoku Earthquake, Soils and Foundations, Vol. 52, No.5, pp.872-889, 2012.10
- 27. Chiaro, G., Koseki, J. and Sato, T.: Effects of initial static shear on liquefaction and large deformation properties of loose saturated Toyoura sand in undrained cyclic torsional shear tests, Soils and Foundations, Vol.52, No.3, pp.498-510, 2012.6
- 28. Nishimura, T., Koseki, J., Fredlund, D.G. and Rahardjo, H.: Microporous membrane technology for measurement of soil-water characteristic curve, Geotechnical Testing Journal, Vol.35, No.1, 2012.1
- 29. Koseki, J.: Use of geosynthetics to improve seismic performance of earth structures, Geotextiles and Geomembranes, Vol. 34, pp.51-68, 2012.
- 30. Lenart, S., Koseki, J. and Miyashita, Y.: Soil liquefaction in the Tone river basin during the 2011 Earthquake off the pacific coast of Tohoku, ACTA GEOTECHNICA SLOVENICA, Vol. 9, pp.5-15, 2012.2
- 31. Modoni, G., Koseki, J. and AnhDan, L.Q.: Cyclic stress-strain response of compacted gravel, Geotechnique, Vol. 61, No. 6, pp.473-485, 2011.
- 32. Maqbool, S. and Koseki, J.: Improvement and application of a P- wave measurement system for laboratory specimens of sand and gravel, Soils and Foundations, Vol. 51, No. 1, pp.41-52, 2011.
- 33. Watanabe, K., Koseki, J. and Tateyama, M.: Seismic earth pressure exerted on retaining walls under a large seismic load, Soils and Foundations, Vol. 51, No. 3, pp.379-394, 2011.
- 34. Deng, J.L., Miyashita, Y., Sato, T., Kuwano, R. and Koseki, J.: Effects of system compliance on liquefaction behavior of thin sandy layer in undrained cyclic triaxial test, Soils and Foundations, Vol. 51, No. 3, pp.549-558, 2011.

- 35. Deng, J.L., Kameya, H., Miyashita, Y., Kuwano, J., Kuwano, R. and Koseki, J.: Study on dip slope failure at Higashi Takezawa induced by 2004 Niigata-ken Chuetsu Earthquake, Soils and Foundations, Vol. 51, No. 5, pp.929-943, 2011.
- 36. Deng, J.L., Kameya, H., Miyashita, Y., Kuwano, J., Kuwano, R. and Koseki, J.: Study on a failed dip slope with a thin sandy layer in 2004 Niigata-ken Chuetsu Earthquake, Engineering Geology, Vol. 123, No. 4, pp.302-314, 2011.
- 37. Koseki, J., Hong, K., Nakajima, S., Mulmi, S., Watanabe, K. and Tateyama, M.: Negative pore air pressure generation in backfill of retaining walls during earthquakes and its effect on seismic earth pressure, Soils and Foundations, Vol. 50, No. 5, pp.747-755, 2010.
- 38. Koseki, J. and Kawaguchi, T.: Observation of geometerial behavior, Soils and Foundations, Vol. 50, No. 6, pp.847-860, 2010.
- 39. Deng, J.L. Tsutsumi, Y., Kameya, H. and Koseki, J.: A modified procedure to evaluate earthquake-induced displacement of slopes containing a weak layer, Soils and Foundations, Vol. 50, No.3, pp. 413-420, 2010.
- 40. Kiyota, T., Koseki, J. and Sato, T.: Comparison of liquefaction-induced ground deformation between results from undrained cyclic torsional shear tests and observations from previous model tests and case studies, Soils and Foundations, Vol. 50, No.3, pp. 421-429, 2010.6
- 41. Maqbool, S. and Koseki, J.: Large scale triaxial tests to study effects of compaction energy and large cyclic loading history on shear behavior of gravel, Soils and Foundations, Vol. 50, No. 5, pp.633-644, 2010.
- 42. Nakajima, S., Koseki, J., Watanabe, K. and Tateyama, M.: Simplified procedure to evaluate earthquake-induced residual displacements of geosynthetic-reinforced soil retaining walls, Soils and Foundations, Vol. 50, No. 5, pp.659-677, 2010.
- 43. Nakajima, S., Koseki, J., Watanabe, K. and Tateyama, M.: A simplified procedure to evaluate earthquake-induced residual displacements of conventional type retaining walls, Soils and Foundations, Vol.49, No.2, pp.287-303, 2009.
- 44. Kiyota T., Koseki, J., Sato, T. and Kuwano, R.: Aging effects on small strain shear moduli and liquefaction properties of in-situ frozen and reconstituted sandy soils, Soils and Foundations, Vol.49, No.2, pp.259-274, 2009.
- 45. Kiyota T., Koseki, J., Sato, T. and Tsutsumi, Y.: Effects of sample disturbance on small strain characteristics and liquefaction properties of Holocene and Pleistocene sandy soils, Soils and Foundations, Vol.49, No.4, pp.509-523, 2009.
- 46. Nakajima, S., Koseki, J., Watanabe, K. and Tateyama, M.: Study on resistant mechanism of aseismic countermeasure for GRS wall and leaning type retaining wall, Journal of GeoEngineering, Taiwan Geotechnical Society, Vol.3, No.3, pp.121-129, 2008.
- 47. Kiyota, T., Sato, T., Koseki, J. and Abadi, M. M.: Behavior of liquefied sands under extremely large strain levels in cyclic torsional shear tests, Soils and Foundations, Vol.48, No.5, pp.727-739, 2008.
- 48. HongNam, N., Koseki, J. and Sato, T.: Effect of specimen size on quasi-elastic properties of Toyoura sand in hollow cylinder triaxial and torsional shear tests Geotechnical Testing Journal, ASTM, Vol.31 No.2, 2008.

- 49. Koseki, J., Yoshimine, M., Hara, T., Kiyota, T., Wicaksono, R.I., Goto, S. and Agustian, Y.: Damage survey report on May 27, 2006, Mid Java Earthquake, Indonesia, Soils and Foundations, Vol.47, No.5, pp.973-989, 2007.
- 50. Maqbool S. and Koseki, J.: Large-scale plane strain compression tests on compacted gravel with active and passive controls, Soils and Foundations, Vol.47, No.6, pp.1063-1074, 2007.
- 51. Namikawa T., Koseki, J. and Suzuki, K.: Finite element analysis of lattice-shaped ground improvement by cement-mixing for liquefaction mitigation, Soils and Foundations, Vol.47, No.3, pp.559-576, 2007.
- 52. Namikawa, T. and Koseki, J.: Evaluation of tensile strength of cement-treated sand based on several types of laboratory tests, Soils and Foundations, Vol.47, No.4, pp.657-674, 2007.
- 53. Koseki, J., Sasaki, T., Wada, N., Hida, J., Endo, M. and Tsutsumi, Y.: Damage to earth structures for national highways by the 2004 Niigata-ken Chuetsu earthquake, Soils and Foundations, Vol.46, No.6, pp.739-750, 2006.
- AnhDan, L.Q., Tatsuoka, F. and Koseki, J.: Viscous effects on the stress-strain behavior of gravelly soil in drained triaxial compression, Geotechnical Testing Journal, ASTM, Vol.29, No.4, pp.330-340, 2006.
- 55. AnhDan, L.Q., Koseki, J. and Sato, T.: Evaluation of quasi-elastic properties of gravel using a large-scale true triaxial apparatus, Geotechnical Testing Journal, ASTM, Vol.29, No.5, pp.374-384,2006.
- 56. Shirato, M., Fukui, J. and Koseki, J.: Current status of ductility design of abutment foundations against large earthquakes, Soils and Foundations, Vol.46, No.3, pp.377-396, 2006.
- 57. Shirato, M., Koseki, J., Fukui, J. and Kimura, Y.: Effects of stress-dilatancy behavior of soil on load transfer hysteresis in soil-pile interaction, Soils and Foundations, Vol.46, No.3, pp.281-298, 2006.
- 58. Shirato, M., Koseki, J. and Fukui, J.: A new nonlinear hysteretic rule for Winkler type soil-pile interaction springs that considers loading pattern dependency, Soils and Foundations, Vol.46, No.2, pp.173-188, 2006.
- 59. Shinoda, M., Horii, K., Yonezawa, T., Tateyama, M. and Koseki, J.. Reliability-based seismic deformation analysis of reinforced soil slopes, Soils and Foundations, Vol.46, No.4, pp.477-490, 2006.
- 60. Namikawa T. and Koseki, J.: Experimental determination of softening relations for cement-treated sand, Soils and Foundations, Vol.46, No.4, pp.491-504, 2006.
- 61. AnhDan, L.Q. and Koseki, J.: Small strain behaviour of dense gravel and sand by true triaxial tests, Soils and Foundations, Vol. 45, No. 3, pp.21-38, 2005.
- 62. HongNam, N. and Koseki, J.: Quasi-elastic deformation properties of Toyoura sand in cyclic triaxial and torsional loadings, Soils and Foundations, Vol. 45, No. 5, pp.19-38, 2005.
- 63. Koseki, J., Yoshida, T. and Sato, T.: Liquefaction properties of Toyoura sand in cyclic torsional shear tests under low confining stress, Soils and Foundations, Vol. 45, No. 5, pp.103-113, 2005.
- 64. Watanabe K., Koseki, J. and Tateyama, M.: Application of high speed digital CCD camera

to observe dynamic deformation characteristics of sand, Geotechnical Testing Journal, ASTM, Vol.28, No.5, pp.423-435, 2005.

- 65. AnhDan, L.Q. and Koseki, J.: Effects of large number of cyclic loading on deformation characteristics of dense granular materials, Soils and Foundations, Vol.44, No.3, pp.115-123, 2004.6
- 66. Watanabe, K., Munaf, Y., Koseki, J., Tateyama, M. and Kojima, K.: Behaviors of several types of model retaining walls subjected to irregular excitation, Soils and Foundations, Vol.43, No.5, pp.13-27, 2003.10
- 67. Tatsuoka, F., Masuda, T., Siddiquee, M.S.A. and Koseki, J.: Modeling the stress-strain relations of sand in cyclic plane strain loading, Journal of Geotechnical and Geoenviromental Engineering, ASCE, Vol.129, No.6, pp.450-467, 2003.6
- 68. AnhDan L.Q., Koseki, J. and Sato,T.: Comparison of Young's moduli of dense sand and gravel measured by dynamic and static methods, Geotechnical Testing Journal, ASTM, Vol.25, No.4, pp.349-368, 2002.12
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- 70. Hayano, K., Matsumoto, M., Tatsuoka, F. and Koseki, J.: Evaluation of time-dependent deformation properties of sedimentary soft rock and their constitutive modeling, Soils and Foundations, No. 41, Vol. 2, pp.21-38, 2001.4
- Koseki, J., Kawakami, S., Nagayama, H. and Sato, T.: Change of small strain quasi-elastic deformation properties during undrained cyclic torsional shear and triaxial tests of Toyoura sand, Soils and Foundations, Vol.40, No.3, pp.101-110, 2000.6
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- 73. Santucci de Magistris, F., Koseki, J., Amaya, M., Hamaya, S., Sato, T. and Tatsuoka, F.: A triaxial testing system to evaluate stress-strain behaviour of soils for wide range of strain and strain rate, Geotechnical Testing Journal, Vol. 22, pp. 44-60, 1999.
- 74. Ogata, T., Kurachi, Y. and Koseki, J.: Scale effects on coefficient of horizontal subgrade reaction considering stress and strain level dependency of deformation characteristics of subsoils, Journal of Geotechnical Engineering, Japan Society of Civil Engineers, No.631/III-48, pp.371-381, 1999.9 (in Japanese)
- 75. Koseki, J., Matsuo, O. and Tanaka, S.: Uplift of sewer pipes caused by earthquake-induced liquefaction of surrounding soil, Soils and Foundations, Vol. 38, No. 3, pp.75-87, 1998.9
- 76. Koseki, J., Munaf, Y., Tatsuoka, F., Tateyama, M., Kojima, K. and Sato, T.: Shaking and tilt table tests of geosynthetic-reinforced soil and conventional-type retaining walls, Geosynthetics International, Vol. 5, Nos. 1-2, pp. 73-96, 1998.
- 77. Koseki, J., Tatsuoka, F., Munaf, Y., Tateyama, M. and Kojima, K.: A modified procedure to evaluate active earth pressure at high seismic loads, Soils and Foundations, Special Issue on Geotechnical Aspects of the January 17 1995 Hyogoken-Nambu Earthquake, Vol. 2,

pp.209-216, 1998.9

- Koseki, J., Matsuo, O. and Koga Y.: Uplift behavior of underground structures caused by liquefaction of surrounding soil during earthquake, Soils and Foundations, Vol.37, No.1, pp. 97-108, 1997.3
- 79. Koseki, J., Matsuo, O., Ninomiya, Y. and Yoshida, Y.: Uplift of sewer manholes during the 1993 Kushiro-oki earthquake, Soils and Foundations, Vol.37, No.1, pp.109-121, 1997.3
- 80. Tatsuoka, F., Kodaka, T, Wang, L., Hayano, K. and Koseki, J.: Deformation characteristics of sedimentary soft rocks, Journal of Geotechnical Engineering, Japan Society of Civil Engineers, No.561/III-38, pp.1-17, 1997.3 (in Japanese)
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- Tatsuoka, F., Tateyama, M., Uchimura, T. and Koseki, J.: Geosynthetic-Reinforced Soil Retaining Walls as Important Permanent Structures, Geosynthetics International, Vol.4, No.2, pp. 81-136, 1997
- 83. Tatsuoka, F., Tateyama M. and Koseki, J.: Performance of soil retaining walls for railway embankments, Soils and Foundations, Special Issue of Soils and Foundations on Geotechnical Aspects of the January 17 1995 Hyogoken-Nambu Earthquake, pp.311-324, 1996.1