

10. 研究成果

10.1 研究成果の概要

研究業績として、平成 26～28 年度に発表された発表論文等をまとめて整理した。業績の区分は、防災研究所自己点検データベースの定義に従い、以下、

- (A) 完全査読論文
- (B) 一般査読論文
- (C) 解説・総説
- (D) 著書
- (E) 紀要・報告書
- (F) 講義・講演会テキスト
- (G) 講演会概要集
- (H) 学術誌

に分類した。

「(A) 完全査読論文」は、定期的に刊行される学術雑誌(journal)に掲載された peer reviewed paper, 「(B) 一般査読論文」は講演会を伴いその講演会で発表される論文が前もって発表論文として査読されるものである。また、いわゆる「審査なし論文」については、「(E) 紀要・報告書」, 「(F) 講義・講演会テキスト」, 「(G) 新聞・雑誌記事」, 「(H) 講演会概要集」, 「(I) 学術誌」に細分類し、論文の種類がより詳細にわかるようにした。なお、論文の分類に当たっては、自己申告に従っている。

(A) の完全査読論文の総数は 678 編（前回：712 編）であり、(B) の一般査読論文の総数は

156 編（前回 223 編）である。一人一年あたりの発表論文数で比較すると以下のとおりである。

- (A) 2.05 編／人（前回 2.35 編／人）
- (B) 0.47 編／人（前回 0.74 編／人）

※人数は教員、非常勤研究員、大学院在籍学生の 1 年あたりの平均人数（330 人）

「(A) 完全査読論文」の総数は前回と同程度で、「(B) 一般査読論文」は 30% 減少した。在籍する教員、研究員、学生の数は前期より若干増加しているため、論文の総数と同様に、一人一年当たりの総論文数も減少している。

(C) の解説・総説は計 97 編（前回 52 編）、(D) の著書は計 56 編（前回 63 編）、(E) の紀要・報告書は、計 117 編、(F) の講義・講演会テキストは、計 3 編、(G) の講演会梗概集は、計 311 編、(H) の学術誌は、19 編であった。

(C)～(H) に関わる業績に関しては、特に「(C) 解説・総説」の総数が前回より増えており、社会への貢献や防災学の啓蒙活動の重要性を認識した結果がみてとれる。

次節に、完全査読論文と著書についてのみ、リストアップしておく。

10.2 研究成果リスト一覧

完全査読論文

- A. Ghosh, E. Uesca-Perez, E. Brodsky, Y. Ito: Very low frequency earthquakes (VLFEs) in Cascadia migrate with tremor, *Geophys. Res. Lett.*, 42, pp. 3228-3232, 2015, doi:10.1002/2015GL063286
- A. M. Cruz, Y. Kajitani, H. Tatano: Natach disaster risk reduction: Can integrated risk governance help?, *Risk governance. The articulation of hazard, politics and ecology*, pp. 441-462, 2015
- A. M. Cruz: Disaster Management: International lessons in risk reduction, response and recovery, *Managing infrastructure, environment and disaster risk*, pp. 352-, 2014
- Ahmed Aly El-Dien, Takebayashi,H., Fujita, M.: Erosion and collapse of riverbanks under different flood conditions, *Journal of Japan Society of Civil Engineers, Ser. B1 (Hydraulic Engineering)*, 59, 2015
- Aizawa Koki, Cimarelli,C., Alatorre-Ibarguenoitia,M.A., Yokoo Akihiko, Dingwell,D.B., Iguchi Masato: Physical properties of volcanic lightning at Sakurajima volcano, Japan: constraints from magnetotelluric and video observations, *Earth and Planetary Science Letters*, 2016
- Akasaka Keiichi, Tanaka Takahiro, Maruyama Takashi, Kitamura Nobutaka, Hashimoto Atsushi, Ito Yuko, Watanabe Hiroyoshi, Wakayama Tomoshige, Arai Takero, Hayashi Masachika, Moriyama Hiroshi, Uchida Kanji, Ohkouchi Shinya, Tazawa Ryushi, Takada Toshinori: A mathematical model to predict protein wash out kinetics during whole-lung lavage in autoimmune pulmonary alveolar proteinosis, *Am J Physiol Lung Cell Mol Physiol*, 308, pp. 105-117, 2014, DOI:10.1152/ajplung.00239.2014
- Akazawa Fumiaki, Ikeda Akikazu, Hayami Satoshi, Harada Norio, Satofuka Yoshifumi, Miyata Shusuke, Tsutsumi Daizo: Numerical Simulation of Landslide Dam Deformation by Overtopping Flow, *International Journal of Erosion Control Engineering*, 7, 3, pp. 85-91, 2014
- Akiyama S., Hattanji T., Matsushi Y., Matsukura Y.: Dissolution rates of subsoil limestone in a doline on the Akiyoshi-dai Plateau, Japan, *Geomorphology*, 247, pp. 2-9, 2015
- Akpabio,EM, K. Takara: Wash Risk in the Realm of Gender: A Special Focus on Women in Sub-Saharan Africa, *UNIUYO Journal of Gender Studies*, 2, pp. 38-57, 2014
- Akter Fatima, Ishikawa Hirohiko: Synoptic features and environmental conditions of the tornado outbreak on March 22, 2013 at Brahmanbaria in the east-central region of Bangladesh, *Natural Hazard*, 74, pp. 1309-1326, 2014, DOI: 10.1007/s11069-014-1252-y
- Alena Vasilyeva-Lyulina, Masamitsu Onishi, Kiyoshi Kobayashi: Delay analysis methods for construction projects: Mathematical modelling, *International Journal of Transportation*, 1, 3, pp. 27-36, 2015
- Amouzgar,R., Liang,Q., Clarke,P.J., Yasuda,T., Mase,H.: Computationally Efficient Tsunami Modeling on Graphics Processing Units (GPUs), *Int. Jour. of Offshore and Polar Engineering*, Vol. 26, No. 2, pp. pp. 154-160, 2016, <http://dx.doi.org/10.17736/ijope.2016.ak10>
- Andrea Mariel, Juarez-Lucas,Kelly, Maren Kibler, Miho Ohara, Takahiro Sayama,: Benefits of flood-prone land use and the role of coping capacity, *Candaba floodplains, Philippines, Natural Hazards*, 23, 84, pp. 2243-2264, 2016
- Antwi Effah K., Otsuki Kei, Saito Osamu, Francis Kwabena Obeng, Kwabena, Awere Gyekye, John Boakye-Danquah, Yaw Agyeman Boafo, Yasuko, Kusakari, G.A.B.Yiran, Alex Barima Owusu, Kwabena O.Asubonteng, Matsuda Hirotaka, Ishikawa Hirohiko, Ito Osamu, takeuchi Kazuhiko: Developing a Community-Based Resilience Assessment Model with reference to Northern Ghana, *Journal of Integrated Disaster Risk Management*, 4, 1, pp. 73-92, 2014, DOI:10.5595/idrim.2014.0066
- Aoki,S., Y. Iio, H. Katao, T. Miura, I. Yoneda, M. Sawada: Three-dimensional Distribution of S-wave Reflectors in the Northern Kinki District, Southwest Japan, *Earth Planets Space*, 68, 107, 2016, doi 10.11.12
- Arai R, Nukazawa K, Kazama S, Takemon Y: Variation in benthic invertebrate abundance along thermal gradients within headwater streams of a temperate basin in Japan, *Hydrobiologia*,762,pp.55-63,2015,doi:10.1007/s10750-015-2336-8
- Asano Kimiyuki, Iwata Tomotaka: Source rupture processes of the foreshock and mainshock in the 2016 Kumamoto earthquake sequence estimated from the kinematic waveform inversion of strong motion data, *Earth, Planets and Space*, 68, pp. 147-, 2016, doi:10.1186/s40623-016-0519-9
- Asano Kimiyuki, Sekiguchi Haruko, Iwata Tomotaka, Yoshimi Masayuki, Hayashida Takumi, Saomoto Hidetaka, Horikawa Haruo: Modelling of wave propagation and attenuation in the Osaka sedimentary basin, western Japan, during the 2013 Awaji Island earthquake, *Geophysical Journal International*, 204, 3, pp. 1678-1694, 2016, doi:10.1093/gji/ggv543
- Badri Bhakta SHRESTHA, Hajime NAKAGAWA: Prediction of debris-flow and flood characteristics caused by potential outburst of the Imja glacial lake in NepalPrediction of debris-flow and flood characteristics caused by potential outburst of the Imja glacial lake in Nepal, *International Journal of Erosion Control Engineering*, 1, 9, pp. 7-17, 2016
- Bai, L., H. Liu, J. Ritsema, J. Mori, T. Zhang, Y. Ishikawa, G Li: Faulting structure above the Main Himalayan Thrust as shown by relocated aftershocks of the 2015 Mw7.8 Gorkha, Nepal earthquake, *Geophys. Res. Lett.*, 43, pp. 637-642, 2016

- Bennett,W., H. Karunarathna, N. Mori, D.E. Reeve: Climate Change Impacts on Future Wave Climate around the UK, Journal of Marine Science and Engineering, 4, 4, 2016, doi:10.3390/jmse4040078
- Bose, Santanu, P. Saha, J. Mori, C. Rowe, K. Ujiie, F.M. Chester, M. Conin, C. Regalla, J. Kameda, V. Toy, J. Kirkpatrick, F. Remitti, J. C. Moore, M. Wolfson-Schwehr, Y. Nakamura, A. Gupta: Deformation structures in the frontal prism near the Japan Trench: Insight from sandbox models, J. Geodynamics, 89, pp. 29-38, 2015, doi:10.1016/j.jog.2015.06.002
- Chida,Y., Mori,N., Yasuda,T., Mase, H.: Optimum scheme of adaptive mesh refinement for tsunami simulation, Proc. 34th Conf. on Coastal Eng., Seoul, Korea, pp. 9-9, 2014, ISBN: 978-0-9896611-2-6
- Chigira M.: 地殻変動の活発なアジアにおける深層崩壊の地質・地形的特徴とハザードマッピングへの適用 Geological and geomorphological features of deep-seated catastrophic landslides in tectonically active regions of Asia and implications for hazard mapping, Episodes, 37, pp. 284-294, 2014
- Chigira Masahiro, Matsushi Yuki: Deep-seated catastrophic landslides induced by typhoon talas, 2011: For the spacial and temporal prediction of their occurrence, Journal of Disaster Research, 8, pp. 163-164, 2014
- Choi,M, Takemon,Y, Kobayashi,S, Sumi,T: Riverbed Management by Changing Reach Scale Channel Configuration, Annals of Disas. Rrev. Res. Inst., Kyoto Univ., 58B, pp. 497-503, 2015
- Cimarelli C., Alatorre-Ibarguenoitia M.A., Aizawa Koki, Yokoo Akihiko, Diaz-Marina A., Masato Iguchi, Dingwell D.B.: Multiparametric observation of volcanic lightning: Sakurajima volcano, Japan, Geophys. Res. Letter, 2016
- Custer Rocco, Nishijima Kazuyoshi: Flood vulnerability assessment of residential buildings by explicit damage process modelling, Natural Hazards, 78, 1, pp. 461-496, 2015
- Daisuke Kurabayashi, Miho Ohara, Takahiro Sayama, Atsuhiro Konja, Hisaya Sawano: Utilization of the Flood Simulation Model for Disaster Management of Local Government, Journal of Disaster Research, 6, 11, pp. 1161-1175, 2016
- Daisuke MIYAZAKI, Yuji SUGIHARA, Tetsuya HIRASHI, Yasuyuki BABA, Teruhiro KUBO: MODELING OF GAS TRANSFER VELOCITY AT WIND-WAVE INTERFACE, Journal of JSCE, 4, 1, pp. 166-172, 2016, https://doi.org/10.2208/journalofjsce.4.1_166
- Dang Ji, Yuan Huihui, Igarashi Akira, Aoki Tetsuhiko: Curve-approximated hysteresis model for steel bridge columns, Journal of Structural Engineering, 140, 9, pp. 4014058-, 201410.1061/(ASCE)ST.1943-541X.0000970
- De Risi, K. Goda, T. Yasuda, N. Mori: Bayesian tsunami fragility modeling considering input data uncertainty, Stochastic Environmental Research and Risk Assessment, 2016, doi:10.1007/s00477-016-1230-x
- Dongwoo KO, Hajime NAKAGAWA, Kenji KAWAIKE, Hao Zhang: Study on Suitable Coefficient of Overflow Discharge Equation Under Pressurized Flow Condition, Annual Journal of Hydraulic Engineering, JSCE, 59, pp. I_169-I_174, 2015
- Duan Weili, He Bin, Takara Kaoru, Luo Pingping, Nover Daniel, HU Maochuan: Modeling suspended sediment sources and transport in the Ishikari River Basin using SPARROW, Hydrol. Earth Syst. Sci. Discuss., 11, 11, pp. 11307-11069, 2014, DOI: 10.5194/hessd-11-11037-2014
- Duan Weili, He Bin, Takara Kaoru, Luo Pingping, Nover Daniel, Yamashiki Yosuke, Huang Wenrui: Anomalous atmospheric events leading to Kyushu's flash floods, July 11-14, 2012, Natural Hazards, 73, 3, 2014, DOI:10.1007/s11069-014-1134-3
- Duan,W. L., He,B., Takara, K., Luo, P. P., Nover,D., Hu,M. C.: Modeling suspended sediment sources and transport in the Ishikari River basin, Japan, using SPARROW, Hydrology and Earth System Sciences, 19, pp. 1293-1306, 2015, doi:10.5194/hess-19-1293-2015
- Eliasson Jonas, Weber Konradin, Vogel Andreas, Palsson Thorgeir, Yoshitani Junichi, Miki Daisuke: Investigation and Separation of Turbulent Fluctuations in Airborne Measurements of Volcanic Ash with Optical Particle Counters, Journal of Disaster Research, 11, 1, pp. 72-84, 2016
- Eliasson Jonas, Yoshitani Junichi, Miki Daisuke, Weber Konradin, Bolke Christoph, Scharifi Emad: Measurements of Particle Distribution and Ash Fluxes in the Plume of Sakurajima Volcano with Optical Particle Counter, Journal of Disaster Research, 11, 1, pp. 85-95, 2016
- Eliasson Jonas, Yoshitani Junichi, Weber Konradin, Yasuda Nario, Iguchi Masato, Vogel Andreas: Airborne Measurement in the Ash Plume from Mount Sakurajima: Analysis of Gravitational Effects on Dispersion and Fallout, International Journal of Atmospheric Sciences, 2014, DOI:10.1155/2014/372135
- Enomoto Takeshi, Yamane Shozo, Ohfuchi Wataru: Simple sensitivity analysis using ensemble forecasts, J. Meteor. Soc. Japan, 93, 2, 2015
- Enomoto Takeshi: Comparison of computational methods of associated Legendre functions, SOLA, 11, pp. 144-149, 2015
- Esmaeili,T., Sumi,T., KANTOUSH,S.A., Stefan,H., Nils,R.: 3D numerical modelling of flow velocity field in shallow reservoirs, Proceedings of the Institution of Civil Engineers, pp. 1-16, 2015
- Esmaeili,T., Sumi,T., KANTOUSH,S.A.: Three-Dimensional Numerical Modeling of Flushing Channel Formation In Shallow Reservoirs, Journal of Hydraulic Engineering, 58, 1, 2014
- F. Romano, E. Trasatti, C. Piromallo, A. Piatanesi, Y. Ito, D. Zhao, K. Hirata, P. Lanucara, M. Cocco: Structural control on the Tohoku earthquake rupture process investigated

- by 3D FEM, tsunami and geodetic data, SCIENTIFIC REPORTS, 4, 2014, DOI:10.1038/srep05631
- Felipe Caselli Benavente, Mauricio Reyes, Mario Beale Esquivel: Methodology and procedure of business impact analysis for improving port logistics business continuity management, IDRiM Journal, 2014
- Florence Lahournat: Reviving tradition in disaster-affected communities: adaptation and continuity in the kagura of Ogatsu, Miyagi Prefecture, Contemporary Japan, 28, 2, 2016
- Fujimi,Toshio, Watanabe,Masahide, Kakimoto,Ryuji, Tatano,Hirokazu: Perceived ambiguity about earthquake and house destruction risks, NATURAL HAZARDS, 80, 2, pp. 1243-1256, 2016, doi: 0.1007/s11069-015-2021-2
- Fujita, M.: Socio economic and disaster management, Proceeding of 2nd International Conference on Sustainable Innovation, 2014
- Fukahata,Y., Matsu'ura M.: Deformation of island-arc lithosphere due to steady plate subduction, Geophysical Journal International,204, pp.825-840,2016,doi:10.1093/gji/ggv482
- Fukahata,Y., Hashimoto,M.: Simultaneous estimation of the dip angles and slip distribution on the faults of the 2016 Kumamoto earthquake through a weak nonlinear inversion of InSAR data, Earth Planets Space, 68, pp. 204-, 2016
- Fukashi Maeno, Setsuya Nakada, Mitsuhiro Yoshimoto, Taketo Shimano: Natsumi Hokanishi, Akhmad Zaennudin, Masato Iguchi, A sequence of a plinian eruption preceded by dome destruction at Kelud volcano, Indonesia, on February 13, 2014, revealed from tephra fallout and pyroclastic density current deposits, Journal of Volcanology and Geothermal Research, 2017
- Fumiaki Ichinose, Yuji Maeda, Naoko Kosaka, Mitsuhiro Hgashida, Masahiro Sugiyama, Hideki Takeda, Tomomi Yamamoto, Haruo Hayashi: A Fundamental Study of Efficiency of Information Processing in Emergency Operations Center, Journal of Disaster Research, 9, 2, pp. 206-215, 2014
- Fumiaki Nagashima, Shinichi Matsushima, Hiroshi Kawase, Francisco J. Sanchez-Sesma, Takashi Hayakawa, Toshimi Satoh, Mitsutaka Oshima: Application of Horizontal-to-Vertical (H/V) Spectral Ratios of Earthquake Ground Motions to Identify Subsurface Structures at and around the K-NET Site in Tohoku, Japan, Bulletin of the Seismological Society of America, 5, 104, pp. 2288-2302, 2014
- Funning,G., Fukahata,Y., Yagi,Y., Parsons,B.: A method for the joint inversion of geodetic and seismic waveform data using ABIC: application to the 1997 Manyi, Tibet earthquake, Geophysical Journal International, 196, pp. 1564-1579, 2014, DOI:10.1093/gji/ggt406
- G. Lacanna, Mie Ichihara, M. Iwakuni, Minoru Takeo, Masato Iguchi, Maurizio Ripepe: Influence of atmospheric structure and topography on infrasonic wave propagation, J. Geophys. Res., 119, 201410.1002/2013JB010827
- G. Wang, A. Suemine, F. Zhang, Y. Hata, H. Fukuoka, T. Kamai: Some fluidized landslides triggered by the 2011 Tohoku Earthquake (M9.0), Japan, Geomorphology, 208, pp. 11-21, 2014, DOI:10.1016/j.geomorph.2013.11.009
- GENAH 実行委員会（代表：橋本 学）：地震と自然災害のための測地学国際シンポジウム報告，測地学会誌, 60, 2, pp. 95-98, 2014
- Goda,K., Mai M., Yasuda T., Mori N.: Sensitivity of Tsunami Wave Profile and Inundation Simulations to Earthquake Slip and Fault Geometry for the 2011 Tohoku Earthquake, Earth Planets and Space,66,105,201410.1186/1880-5981-66-105
- Goda,K., S.Li, N.Mori, T.Yasuda: Probabilistic tsunami damage assessment considering stochastic source models: Application to the 2011 Tohoku Earthquake, Coastal Engineering Journal, 57, 20151550015
- Goda,K., T.Yasuda, N.Mori, P.M. Mai: Variability of tsunami inundation footprints considering stochastic scenarios based on a single rupture model: Application to the 2011 Tohoku earthquake, Journal of Geophysical Research, Ocean, 2015, doi:10.1002/2014JC010626
- Goda,K., T.Yasuda, N.Mori, T.Maruyama: New scaling relationships of earthquake source parameters for stochastic tsunami simulation, Coastal Engineering Journal, 58, pp. 1650010-, 2016
- Goto Hiroyuki, Tanaka Nobuaki, Sawada Sumio, Inatani Hideki: S-wave impedance measurements of the uppermost material in surface ground layers: vertical load excitation on a circular disk, Soils and Foundations, 55, 5, pp. 1282-1292, 2015
- Goto Hiroyuki: Series expansion of complex ground amplifications with a sequence of simple transfer functions, Earthquake Engineering and Structure Dynamics, 43, 13, pp. 1975-1997, 2014
- Goto Ken, Itoh Toshihiro, Nagayama Takahiko, Utsunomiya Rei, Tsutsumi Daizo, Mizuyama Takahisa: Development and installation of bedload monitoring system with submerged load cells, Journal of Mountain Science, 13, 2, pp. 369-376, 201610.1007/s11629-014-3424-3
- Hai Wang, Shang-Ping Xie, Hiroki Tokinaga, Qinyu Liu, Yu Kosaka: Detecting cross-equatorial wind change as a fingerprint of climate response to anthropogenic aerosol forcing, Geophysical Research Letters, 43, pp. 3444-3450, 2016, doi:10.1002/2016GL068521
- Haili Chen, Maki Norio, Haruo Hayashi: Disaster resilience and population ageing: the 1995 Kobe and 2004 Chuetsu earthquakes in Japan, Disasters, 38, 2, pp. 291-309, 2014, DOI: 10.1111/disa.12048
- Hajime Akimoto, Yasuaki Mori, Kansuke Sasaki, Hiroto Nakanishi, Tsuyoshi Ohizumi, Yasuyuki Itano: Analysis of monitoring data of ground-level ozone in Japan for longterm trend during 1990-2010: Causes of temporal and spatial variation, Atmospheric Environment, 102, pp. 302-310, 2015
- Hamling,I.J., Wright,T.J., Calais,E., Lewi,E., Fukahata,Y.: InSAR observations of post-rifting deformation around the Dabbahu rift segment, Afar, Ethiopia, Geophysical Journal International,197,pp.33-49, 2014, DOI:10.1093/gji/ggu003

- Hao ZHANG, Hideaki MIZUTANI, Hajime Nakagawa, Kenji KAWAIKE: Euler-Lagrange model for local scour and grain size variation around a spur dyke, International Journal of Multiphase Flow, 68, pp. 59-70, 2015, doi:10.1016/j.ijmultiphaseflow.2014.10.003
- Harada Kouji H., Niisoe Tamon, Imanaka Mie, Takahashi Tomoyuki, Amako Katsumi, Fujii Yukiko, Kanameishi Masatoshi, Ohse Kenji, Nakai Yasumichi, Nishikawa Tamami, Saito Yuuichi, Sakamoto Hiroko, Ueyama Keiko, Ishikawa Hirohiko, Koizumi akio: Radiation dose rates now and in the future for residents neighboring restricted areas of the Fukushima Daiichi Nuclear Power Plant, Proceedings of National Academy of Sciences of United States of America, pp. E914-E923, 2014, DOI:10.1073/pnas.1315684111
- Hashima,A., Fukahata,Y., Hashimoto,C., Matsu'ura,M.: Quasi-static strain and stress fields due to a moment tensor in elastic-viscoelastic layered half-space, Pure and Applied Geophysics, 171, pp. 1669-1693, 2014, DOI:10.1007/s00024-013-0728-0
- Hata Maki, Oshiman Naoto, Yoshimura Ryokei, Tanaka Yoshikazu, Uyeshima Makoto: Three-dimensional electromagnetic imaging of upwelling fluids in the Kyushu subduction zone, Japan, Journal of Geophysical Research, 120, 1, pp. 1-17, 2015, doi:10.1002/2014JB011336
- Hatter Miki, Matsumoto Jun, Ogino Shinya, Enomoto Takeshi, Miyoshi Takemasa: The Impact of Additional Radiosonde Observations on the Analysis of Disturbances in the South China Sea during VPREX2010, SOLA, 12, pp. 75-79, 2016, doi:10.2151/sola.2016-018
- Hideyuki Ito, Wisinee Wisetjindawat, Muneta Yokomatsu: Dealing with Relief Supplies for Possible Isolation of Shelters: Discussion on the Current Japanese Practice, Journal of Natural Disaster Science, 36, 2, pp. 53-61, 2015
- Hideyuki Ito, Wisinee Wisetjindawat, Muneta Yokomatsu: Efficiency Improvement on Humanitarian Logistics in the Aftermath of a Large-Scale Disaster, Journal of Integrated Disaster Risk Management, 4, 2, pp. 50-63, 2014
- Higuchi,Kohei., Chigira,Masahiro., Lee,D.H., J.-H,W.: Rapid weathering and erosion of mudstone induced by salt-water migration near a slope surface., ASCE(C6014004), pp. 1-5, 2014
- Himoto,K, Yamada,M, Nishino,T: Analysis of Ignitions Following 2011 Tohoku Earthquake Using Kawasumi Model, 11th International Symposium on Fire Safety Science Proceedings, 2014
- Hiraishi Tetsuya, Azuma Ryokei, Mori Nobuhito, Yasuda Tomohiro, Mase Hajime: A New Generator for Tsunami Wave Generation, Journal of Energy and Power Engineering,10,3,pp.166-172,2016,doi:10.17265/1934-8975/2016.03.004
- Hiraishi Tetsuya: Experimental Study on Counter Weight Block for Breakwater Stability and EnvironmentExperimental Study on Counter Weight Block for Breakwater Stability and Environment, Modern Environmental Science and Engineering, 3, 1, pp. 1-8, 2017, doi: 10.15341
- Hirata Yasuto, Chigira Masahiro, Youqing Chen: Spheroidal weathering of granite porphyry with well-developed columnar joints by oxidation, iron precipitation, and rindlet exfoliation, Earth Surface Processes and Landforms, 42, pp. 657-669, 2016
- Hiroaki Ishiwata, Muneta Yokomatsu: Trade and Disaster Risk Sharing in Open Economy Model, the Proceedings of the 2016 IEEE International Conference on Systems, Man and Cybernetics, 2016
- Hiroshi L.Tanaka, Masato Iguchi: Numerical Simulation of Volcanic Ash Plume Dispersal from Kuchinoerabujima on 29 May 2015, Journal of Natural Disaster Science, 2, 37, pp. 79-90, 2016
- Hiroyuki Noda, Miki Takahashi: Technical note: Correction of output from an internal load cell in a high-pressure triaxial deformation apparatus without a split-piston, 地質学雑誌, 12, 122, pp. 653-658, 2016
- Hitomi Kotani, Muneta Yokomatsu: Natural disasters and dynamics of a paradise built in hell: a social network approach, Natural Hazards, 1, 84, pp. 309-333, 2016
- Horiguchi Mitsuaki, Hayashi Taiichi, Adachi Ahoro, Onogi Shigeru: Stability Dependence and Diurnal Change of Large-Scale Turbulence Structures in the Near-Neutral Atmospheric Boundary Layer Observed from a Meteorological Tower, Boundary-Layer Meteorology, 151, pp. 221-237, 2014, DOI: 10.1007/s10546-013-9903-1
- Hotta Kohei , Iguchi Masato, Ohkura Takahiro, Yamamoto Keigo: Multiple-pressure-source model for ground inflation during the period of high explosivity at Sakurajima volcano, Japan -Combination analysis of continuous GNSS, tilt and strain data-, Journal of Volcanology and Geothermal Research, 310, pp. 12-25, 2016, doi:10.1016/j.jvolgeores.2015.11.017
- Hou,Y, Chigira,Masahiro., Tsou,C.Y.: Numerical study on deep-seated gravitational slope deformation in a shale-dominated dip slope due to river incision, Engineering Geology, 179, pp. 59-75, 2014
- Hsiao,P.C, Hayashi,K, Nishi,R, Lin X, Nakashima, M: Investigation of Concrete-Filled Double-Skin Steel Tubular Columns with Ultrahigh-Strength Steel, Journal of Structural Engineering, 140, 2014
- Hu,W, Dong,X.J., Xu,Q., Wang,G, van Asch,T.W.J., Hicher, P.Y. : Initiation processes for run-off generated debris flows in the Wenchuan earthquake area of China, Geomorphology, 253, pp. 468-477, 2016, doi:10.1016/j.geomorph.2015.10.024
- Hu,W., Xu,Q., Wang,G, T.W.J. van Asch, Hicher P.Y.: Sensitivity of the initiation of debris flow to initial soil moisture, Landslides,12,pp.1139-1145,2015,doi10.1007/s10346-014-0529-2
- Hussien,M, Karray,M, Tobita,T., Iai,S.: Kinematic and inertial forces in pile foundations under seismic loading., Computers and Geotechnics, 69, pp. 166-188, 2015
- Ichimura,T., Agata,R., Hori,T., Hirahara,K., Hashimoto,C., Hori,M., Fukahata,Y.: An elastic-viscoelastic finite element analysis method for crustal deformation using a 3D is-

- land-scale high-fidelity model, *Geophysical Journal International*, 1, 206, pp. 114-129, 2016
- Igarashi Akira: Logic circuit design for high-speed computing of dynamic response in real-time hybrid simulation using FPGA-based system, *Smart Structures and Systems*, 14,6,pp.1131-1150,2014,DOI:10.12989/sss.2014.14.6.1131
- Iguchi Masato: Method for real-time evaluation of discharge rate of volcanic ash-case study on intermittent eruptions at the Sakurajima volcano, Japan -, *Jour. Disast. Res.*, 11, pp. 4-14, 2015
- Ikeda, Y.: An Active Mass Damper Designed Using ARX Models of a Building Structure, *Earthquake Engineering & Structural Dynamics*, 13, 45, pp. 2185-2205, 2016
- Ikeda, Y.: Verification of System Identification Utilizing Shaking Table Tests of a Full-scale 4-story Steel Building, *Earthquake Engineering & Structural Dynamics*, 4, 45, pp. 543-562, 2016
- Imamura,K., K.Takenaka Takano, N.Mori, T.Nakashizuka, S.Managi: Attitudes toward disaster-prevention risk in Japanese coastal areas - Analysis of civil preference, *Natural Hazards*,pp.1-16, 2016, doi:10.1007/s11069-016-2210-7
- Ito Rui, Satomura Takehiko, Takemi Tetsuya: Comparison of temperature increases with urban surface cover for different geographical conditions in Japan, *Geographical Review of Japan Series B*, 87, pp. 65-73, 2014, DOI: 10.4157/geogrevjapanb.87.65
- Ito Rui, Takemi Tetsuya, Arakawa Osamu: A possible reduction in the severity of typhoon wind in the northern part of Japan under global warming: A case study, *Scientific Online Letters on the Atmosphere*, 12, pp. 100-105, 2016, doi:10.2151/sola.2016-023
- Itoh,T., Mizuyama,T., Fujita,M., Miyamoto,K., Nagayama,T. , Tagata,S., Goto,K.: SEDIMENT HYDRAULIC OBSERVATION AND APPLIED SEDIMENT CONTROL WITH A MOVABLE SHUTTER IN JYO-GAN-JI RIVER, *Proceedings of the 5th International Workshop on Multimodal sediment Disaster*, pp. 57-66, 2014
- J. Yu, A.M. Cruz, A.Hokugo: Understanding Household Reentry Timing after Evacuating for Natach Accident, *Journal of Natural Hazards*, 2015
- James Hickey, Joachim Gottsmann, Haruhisa Nakamichi, Masato Iguchi: Thermomechanical controls on magma supply and volcanic deformation: application to Aira caldera, Japan, *Scientific Reports*, 2016
- Jian-Hong Wu, Trong Nhan Do, Chun-Hua Chen, Gonghui Wang: New Geometric Restriction for the Displacement-Constraint Points in Discontinuous Deformation Analysis, *International Journal of Geomechanics*, 201610.1061/(ASCE)GM.1943-5622.0000648
- Jiang J., Xu X., Chen G., Liu Y., Fukahata Y., Wang H., Yu G., Tan X., Xu C.: Geodetic imaging of potential seismogenic asperities on the Xianshuihe Anninghe Zemuhe fault system, southwest China, with a new 3D viscoelastic interseismic coupling model, *Journal of Geophysical Research*, 120, pp. 1855-1873, 2015, doi: 10.1002/2014JB011492
- Jiang Y., Wang G., Kamai T., McSaveney M.: Effect of particle size and shear speed on frictional instability in sheared granular materials during large shear displacementEffect of particle size and shear speed on frictional instability in sheared granular materials during large shear displacement, *Engineering Geology*, 210, pp. 93-102, 2016, doi:10.1016/j.enggeo.2016.06.005
- Jiang,X, N.Mori, H.Tatano, L.Yang, Y.Shibutani: Estimation of property loss and business interruption loss caused by storm surge inundation due to climate change; A case of Typhoon Vera revisit, *Natural Hazards*, 84, 1, pp. 35-49, 2016, doi:10.1007/s11069-015-2085-z
- Jiang,Y., Wang,G., Kamai,T.: Characteristics of acoustic emission and fluctuations of shear resistance during granular shearing, *Proceeding of The Fukuoka Symposium of Japan Civil Engineering Society*, pp. 131-136, 2015
- Jiang,Y., Wang,G., Kamai, T: Influence of Particle Size and Shear Velocity on the Frictional Properties and Slip Instabilities of Sheared Granular Materials, *Proceeding of the 10th Asian Regional Conference of IAEG*, pp. Tp1-21(6p)-, 2015
- Jing-Li Fan, Qiao-Mei Liang, Xiao-Jie Liang, Hirokazu Tatano, Yoshio Kajitani, Yi-Ming Wei: National vulnerability to extreme climatic events: the cases of electricity disruption in China and Japan, *Natural Hazards*, 71, 3, pp. 1937-1956, 201410.1007/s11069-013-0986-2
- Jonas Eliasson, Nario Yasuda, Konradin Weber, Andreas Vogel, Thorgeir Palsson: The role of in-situ measurements of volcanic ash concentrations in preventing economic disasters due to volcanic ash clouds, *Journal of Integrated Disaster Risk Management*,4,1,pp.48-60,2014, OI10.5595/idrim.2014.0092
- Jonas Eliasson: Eddy Heat Conduction and Nonlinear Stability of a Darcy Lapwood System Analysed by the Finite Spectral Method, *Journal of Applied Mathematics*, 201410.1155/2014/695425
- Jonas Eliasson: Katla volcano in Iceland, potential hazards and risk assessment, *Natural Science*, 6, 3, pp. 99-107, 2014
- Jun-ichi Wada, Kyuichi Kanagawa, Hiroko Kitajima, Miki Takahashi, Atsuyuki Inoue, Takehiro Hirose, Jun-ichi Ando, Hiroyuki Noda: Frictional strength of ground dolerite gouge at a wide range of slip rates, *Journal of Geophysical Research: Solid Earth*, 121, pp. 2961-2979, 2016
- K. Aizawa, H. Asaue, K. Koike, S. Takakura, M. Utsugi, H. Inoue, R. Yoshimura, K. Yamazaki, S. Komatsu, M. Uyeshima, T. Koyama, W. Kanda, T. Shiotani, N. Matsushima, 他 18 名: Seismicity controlled by resistivity structure: the 2016 Kumamoto earthquakes, *Kyushu Island, Japan, Earth, Planets and Space*, 69, 2017, doi:10.1186/s40623-016-0590-2
- K. Aizawa, H. Hase, M. Uyeshima, W. Kanda, M. Utsugi, R. Yoshimura, Y. Yamaya, T. Hashimoto, K. Yamazaki, S. Komatsu, A. Watanabe, K. Miyakawa, Y. Ogawa: Three-dimensional resistivity structure and magma plumb-

- ing system of the Kirishima volcanoes as inferred from broad-band magnetotelluric data, *Journal of Geophysical Research - Solid Earth*, 119, 1, pp. 198-215, 2014, doi:10.1002/2013JB010682
- K.M.N.K.Ranasinghe, E.D.P.Perera, T.Sayama, S.Tanaka, H.Sawano: Flood Hazard Modelling and Flood Damage Assessment for the Kelani River Basin, Sri Lanka, ICSBE2014
- Kameda,J., M.Shimizu, K.Ujiie, T.Hirose, M.Ikari, J. Mori, K.Oohashi, G.Kimura: Pelagic smectite as an important factor in tsunamigenic slip along the Japan Trench, *Geology*, 43, pp. 155-158, 2015
- Kang,G-C., Tobita,T., Iai,S.: Seismic simulation of liquefaction-induced uplift behavior of a hollow cylinder structure buried in shallow ground, *Soil Dynamics and Earthquake Engineering*, 64, pp. 85-94, 2014
- Karunarathna,H., Horrillo-Caraballo,J., Kuriyama,Y., Mase,H., Ranasinghe,R., Reeve, D.E.: Linkages between sediment composition, wave climate and beach profile variability at multiple timescales, *Jour. Marine Geology*, Vol.381, pp. pp.194-208, 2016
- Karunarathna,H., Kuriyama,Y., Mase,H., Horrillo-Caraballo,J., Reeve, D.E.: Modelling Inter-annual scale beach change, *Proc. Coastal Sediment*, San Diego, USA, ASCE, CD-ROM, pp. 10-10, 2015
- Karunarathna,H., Kuriyama,Y., Mase,H., Horrillo-Caraballo,J.M., Reeve, D.E.: Forecasts of seasonal to inter-annual beach change using a reduced physics beach profile model, *Jour. Marine Geology*, Vol. 365, pp. 14-20, 2015, doi:10.1016/j.margeo.2015.03.009
- Karunarathna,H., Mase,H., Baba,Y.: Analysis of multi-scale morphodynamic behaviour of a high energy beach facing the Sea of Japan, *Original Research*, *Frontiers in Marine Science*, pp. 10-10, 2015, doi:10.3389/fmars.2015.00051
- Karunarathna,H., Mase,H., Baba,Y.: Analysis multi-scale beach change, *E-proceedings of the 36th IAHR World Congress*, The Hague, the Netherlands, pp. 9-9, 2015
- Karunarathna,H., Reeve,D.E., Mase,H., Kuriyama,Y., Ranasinghe,R.: Linkages between sediment composition, wave climate and beach profile variability, *Proc. 20th Congress of the Asia Pacific Division, Int. Assoc. for Hydro Envir. Eng. & Res*, pp. 8p-, 2016
- Katsumata Kei, Kosuga Masahiro, Katao Hiroshi, Yamada Takuji, Kato Aitaro: 濃尾地震断層域における発震機構と応力場 Focal mechanisms and stress field in the Nobi fault area, central Japan, *Earth, Planets and Space*, 2015, doi 10.1186/s40623-015-0275-2
- Kawase Hiroshi, Matsushima Shinichi, Satoh Toshimi, Sanchez-Sesma Francisco J.: Applicability of Theoretical Horizontal-to-Vertical Ratio of Microtremors Based on the Diffuse Field Concept to Previously Observed Data, *Bulletin of the Seismological Society of America*, 105, pp. 3092-3103, 2015, doi:10.1785/0120150134
- Kawase Hiroshi, Matsushima Shinichi, Nagashima Fumiaki, Baoyintu, Nakano Kenichi: The cause of heavy damage concentration in downtown Mashiki inferred from observed data and field survey of the 2016 Kumamoto earthquake, *Earth, Planets and Space*, 3, 69, 2017
- Ken'ichi Yamazaki: An analytical expression for early electromagnetic signals generated by impulsive line-currents in conductive Earth crust, with numerical examples, *Annals of Geophysics*, 59, 2, 2016, doi:10.4401/ag-6867
- Ken'ichi Yamazaki: Temporal variations in magnetic signals generated by the piezomagnetic effect for dislocation sources in a uniform medium, *Geophysical Journal International*, 206, 1, pp. 130-141, 2016, doi:10.1093/gji/ggw125
- Kenji Ono, Yasuhiro Akakura, Masami Kanda, Masatoyo Ishihara: Analyzing and simulating supply chain disruptions on the Automobile Industry based on experiences of the Great East Japan Earthquake, *IDRiM Journal*, 5, 2, 2015, doi:10.5595/idrim.2015.0102
- Kennedy,A., N. Mori, T. Yasuda, T. Shimozono, T. Tomiczek, A. Donahue, T. Shimura: Extreme block and boulder transport along a cliffed coastline (Calicoan island, Philippines) during super typhoon Haiyan, *Marine Geology*, 383, pp. 65-77, 2017, doi: 10.1016/j.margeo.2016.11.004
- Kennedy,A., N.Mori, Y.Zhang, T.Yasuda, S.E.Chen, Y.Tajima, W.Pecor, K.Toride: Observations and modeling of coastal boulder transport and loading during super typhoon Haiyan, *Coastal Engineering Journal*, 58, 1, pp. 1640004-1-1640004-, 2016, doi:10.1142/S0578563416400040
- Khai Lin Chong, Takahiro Sayama, Kaoru Takara, Ismail Abustan: Effects of diffusive wave and flood inundation on time of concentration, *Journal of Japan Society of Civil Engineers, Ser B1 (Hydraulic Engineering)*, 4, 73, pp. 151-156, 2017
- Khan,Nazrul Islam, Hori,Tomoharu: COMMUNITY-BASED RURAL PIPED WATER SUPPLY MODEL FOR DRINKING AND HOUSEHOLD PURPOSES - A social experiment on better use of water -, *Journal of Japan Society of Civil Engineers, Ser. B1 (Hydraulic Engineering)*, 70, 4, pp. I_25-I_30, 2014
- Khujanazarov Temur, Toderich Kristina, Tanaka Kenji: Utilization of Marginal Water and Lands in the Zeravshan River Basin as Part of a Climate Change Adaptation Strategy, *Journal of Arid Land Studies*, 24, 1, pp. 101-104, 2014
- Kim,S., Matsumi,Y., Pan,S., Mase,H.: A real-time forecast model using artificial neural network for after-runner storm surges on the Tottori coast, Japan, *Ocean Eng*, Vol.122, pp. pp.44-53, 2016
- Kim,S., Matsumi,Y., Yasuda,T., Mase,H.: Storm surges along the Tottori coasts following a typhoon, *Jour. Ocean Eng.*, Vol.91,pp.133-145,2014,DOI:10.1016/j.oceaneng.2014.09.005
- Kim,S., Mori,N., Mase,H., Yasuda,T.: The role of sea surface drag in a coupled surge and wave model for Typhoon Haiyan 2013, *Jour. Ocean Modelling*, Vol.96, pp. 65-84, 2015, doi: 10.1142/S0578563415500102
- Kim,S., Mori,N., Shibutani,Y., Yasuda,T., Mase,H., Oh, J.H.: Storm surge simulations of Typhoon Haiyan 2013 using a

- parametric wind and pressure model, Proc. 25th Int. Ocean and Polar Eng. Conf., Hawaii, USA, pp. 1127-1131, 2015
- Kim,S., Oh,J.H., Suh, K.D., Yasuda,T., Mase,H.: Evaluation of storm surges around the Koreal peninsula in present and future climates, Proc. 34th Conf. on Coastal Eng., Seoul, Korea, 2014, ISBN: 978-0-9896611-2-6, 2014.
- Kim,S.Y, Matsumi,Y., Mase,H., Mori,N., Yasuda,T.: Development of real time storm surge forecasting using artificial neural network, The 11th Int.Conf. on Hydroscience and Eng., pp. 949-955, 2014
- Kim,S.Y., Matsumi,Y., Oh,J.H., Suh,K.D., Yasuda,T., Mase,H.: Prediction of storm surges around Korean coasts using climate change projection data, Proc. of the 24th Int. Ocean and Polar Eng. Conf., Busan, Korea, pp. 866-870, 2014
- Kimura,Y., Mase,H., Nakayasu,K., Morii,T.: Experimental study on real-time tsunami protection structures, Jour. of Waterway, Port, Coastal, and Ocean Eng., Vol.140, No.3, pp.04014003-1-04014002-9,2014,DOI:10.1061/(ASCE)W W.1943-5460.0000218
- Kimura,Y., Mase,H: Numerical simulation of a rising seawall for coastal flood protection, Jour. of Waterway, Port, Coastal, and Ocean Eng, Vol.140, No.3, pp. 04014002-1-04014002-8,2014,DOI:10.1061/(ASCE)WW.1 943-5460.0000217
- Kimura,Y., Wakunaga,T., Yasuda,M., Kimura,H., Kani,N., Mase,H.: Development and verification of wall-flap-gate as an inundation defence for nuclear plants, Proc. 23rd Int. Conf. on Structural Mechanics in Reactor Technologies (SMiRT-23), Manchester, UK, Division IX, pp. 10-10, 2015688
- Kinoshita Chihiro, Kano Yasuyuki, Ito Hisao: Shallow Crustal Permeability Enhancement in Central Japan due to the 2011 Tohoku Earthquake, Geophysical Research Letters, 42, pp. 773-780, 2015, doi : 10.1002/2014GL062792
- Kodera,K., N. Eguchi, H.Mukougawa, T.Nasuno, and T. Hirooka: Stratospheric tropical warming event and its impact on the polar and tropical troposphere, Atmos. Chem. Phys, 2017
- Kohei Hotta, Masato Iguchi, Takeshi Tameguri: Rapid dike intrusion into Sakurajima volcano on August 15, 2015, as detected by multi-parameter ground deformation observations, Earth, Planets and Space, 68, 2016
- Korup O., Hayakawa Y., Codilean A.T., Matsushi Y.: Japan's sediment flux to the Pacific Ocean revisited., Earth-Science Reviews, 135, pp. 1-16, 2014
- Korup,O., Wang,G: Multiple landslide-damming episodes, Landslide Hazards, Risks, and Disasters (Volume editor: Tim Davies; Series editor: John F. Shrader), pp. 241-262, 2014
- Koshiba T, Sumi T, Takemon Y, Tsutsumi D: Flume experiment on bedload measurement with a plate microphone, Annals of Disas. Rrev. Res. Inst., Kyoto Univ., 58B, pp. 448-457, 2015
- Koshun Yamaoka, Hiroki Miyamachi, Toshiki Watanabe, Takahiro Kunitomo, Tsuyoshi Michishita, Ryoya Ikuta, Masato Iguchi: Active monitoring at an active volcano: amplitude-distance dependence of ACROSS at Sakurajima Volcano, Japan, Earth, Planets and Space, 66, 2014, DOI:10.1186/1880-5981-66-32
- Kotsuki S., Takenaka H., Tanaka K., Higuchi A., Miyoshi T.: 1-km-resolution land surface analysis over Japan: Impact of satellite-derived solar radiation, Hydrological Research Letters, 1, 9, pp. 14-19, 2015
- Kotsuki Shunji, Takenaka Hideaki, Tanaka Kenji, Higuchi Atsushi, Miyoshi Takemasa: 1-km-resolution land surface analysis over Japan: Impact of satellite-derived solar radiation, Hydrological Research Letters, 9, 1, pp. 14-19, 2015, doi: 10.3178/hrl.9.14
- Kotsuki Shunji, Tanaka Kenji, Watanabe Satoshi: Projected hydrological changes and their consistency under future climate in the Chao Phraya River Basin using multi-model and multi-scenario of CMIP5 dataset, Hydrological Research Letters, 8, 1, pp. 27-32, 2014, DOI:10.3178/hrl.8.2.7
- Kotsuki Shunji, Tanaka Kenji: SACRA-a method for the estimation of global high-resolution crop calendars from a satellite-sensed NDVI, Hydrology and Earth System Sciences, 19,pp.4441-4461,2015,doi:10.5194/hess-19-4441-2015
- Kotsuki Shunji, Tanaka Kenji: SACRA-global data sets of satellite-derived crop calendars for agricultural simulations: an estimation of a high-resolution crop calendar using satellite-sensed NDVI, Hydrology and Earth System Sciences Discussion, 201510.5194/hessd-12-1329-2015
- Kouketsu,T., H.Uyeda, T.Ohigashi, M.Oue, H.Takeuchi, T.Shinoda, K.Tsuboki, M.Kubo, K.Muramoto: A hydrometer classification method for X-band polarimetric radar: Construction and validation focusing on solid hydrometers under moist environments, Journal of Atmospheric and Oceanic Technology, 11, 32, pp. 2052-2074, 2015
- Kubo Hisahiko, Asano Kimiyuki, Iwata Tomotaka, Aoi Shin: Development of fully Bayesian multiple-time-window source inversion, Geophysical Journal International, 204, 3, pp. 1601-1619, 2016, doi:10.1093/gji/ggv540
- Kubo,H., W.Suzuki, S.Aoi, H.Sekiguchi: Source rupture processes of the 2016 Kumamoto, Japan, earthquakes estimated from strong-motion waveforms, EARTH PLANETS AND SPACE, 68, 161, 2016, doi 10.1186/s40623-016-0536-8
- Kubota,T., R.Hino, D.Inazu, Y.Ito, T.Iinuma, Y.Ohta, S.Suzuki, K.Suzuki: Coseismic slip model of offshore moderate interplate earthquakes on March 9, 2011 in Tohoku using tsunami waveforms, Earth, Planet. Sci. Lett., 458, pp. 241-251, 2017
- Kumagai,K., N.Mori, S.Nakajo: Storm surge hindcast and return period of a Haiyan-like super typhoon, Coastal Engineering Journal, pp. 1640001-1-15, 2016, doi:10.1142/S0578563416400015
- Kunihiko Kodera, Hitoshi Mukougawa, Pauline Maury, Manabu Ueda, Chantal Claud: Absorbing and reflecting sudden stratospheric warming events and their relationship

- with tropospheric circulation, *J. Geophys. Res. Atmos.*, 121, 1, pp. 80-94, 2016, doi:10.1002/2015JD023359
- Kuniyoshi Takeuchi, Shigenobu Tanaka: Recovery from Catastrophe and Building Back Better, *Journal of Disaster Research*, 6, 11, pp. 1190-1201, 2016
- Kurata,M., He,L., Nakashima,M.: Steel slit shear walls with double-tapered links capable of condition assessment, *Earthquake Engineering and Structural Dynamics*, 2015
- Kurata,M., Sato,M., Zhang,Lei, Lavan,O., Becker,T., Nakashima,M.: Minimal-Disturbance Seismic Rehabilitation of Steel Moment-Resisting Frames using Light-weight Steel Elements, *Earthquake Engineering and Structural Dynamics*, 45, 3, pp. 383-400, 2016
- Kurgansky M. V., Lorenz R.D., Renno N.O., Takemi Tetsuya, Gu Z., Wei W.: Dust devil steady-state structure from a fluid dynamics perspective, *Space Science Reviews*, 203, pp. 209-244, 2016, doi: 10.1007/s11214-016-0281-0
- Kuroiwa,M., Shibutani,Y., Matsubara,Y., Matsubara,Y., Mase, H.: A coastal area model considering sand nourishment process, *Proc. 34th Conf. on Coastal Eng.*, Seoul, Korea, 2014, ISBN: 978-0-9896611-2-6, 2014.
- LINDSEY Eric, NATSUAKI Ryo, XU Xiaohua, SHIMADA Masanobu, HASHIMOTO Manabu, MELGAR Diego, SANDWELL David: Line-of-sight displacement from ALOS-2 interferometry: Mw 7.8 Gorkha Earthquake and Mw 7.3 aftershock, *Geophysical Research Letters*, 42, 2015, doi:10.1002/2015GL065385
- Lauritzen,Peter H, Ullrich,Paul A., Jablonowski,Christiane, Bosler,P.A., Calhoun,D., Conley,A.J., Enomoto,Takeshi, Dong,L., Dubey,S., Guba,O., Hansen,A.B., Kaas,Eigil, Kent,J., Lamarque,J.-F., Prather,M.J.: A standard test case suite for two-dimensional linear transport on the sphere: results from a collection of state-of-the-art schemes, *Geosci. Model Dev.*, 7, pp. 105-145, 2014, DOI:10.5194/gmd-7-105-2014
- Lee,S., Nakagawa,H., Kawaike,K., Zhang,H.: Urban inundation simulation considering road network and building configurations Urban inundation simulation considering road network and building configurations, *Journal of Flood Risk Management*, 2015, doi: 10.1111/jfr3.12165,
- Lee,S.S., Nakagawa,H., Kawaike,K., Zhang,H.: Study on development of sewer pipe analysis model considering manhole head losses, *Annual Journal of Hydraulic Engineering, JSCE*, 58, pp. I-97-I-102, 2014
- Lee,F, Yamori,K, Miyamoto,T: The relationship between local residents and media during recovery:Lessons from “Star disaster-affected Areas” Taiwan., *Journal of Natural Disaster Science*, 36, pp. 1-11, 2015
- Lei Shi, Masamitsu Onishi, Kiyoshi Kobayashi: Payoff Externality and Performance-Based Contracts for Transport Infrastructure, *International Journal of Transportation*, 1, 3, pp. 37-54, 2015
- Li Haibing, Xue Lian, Brodsky Emily E., Mori James J., Fulton Patrick M., Wang Huan, Kano Yasuyuki, Yun Kun, Harris Robert N., Gong Zheng, Li Chenglong, Si Jialiang, Sun Zhiming, Pei Junling, Zheng Yong: Long-term temperature records following the Mw 7.9 Wenchuan (China) earthquake are consistent with low friction, *Geology*, 43, 2, pp. 163-166, 2015
- Li,X., Kurata,M., Nakashima,M: Evaluating damage extent of fractured beams in steel moment-resisting frames using dynamic strain responses, *Earthquake Engineering and Structural Dynamics*, 2015
- Liao,X., Chigira, Masahiro., Matsushi, Yuki, Wu, X: Investigation of water-rock interactions in Cambrian black shale via a flow-through experiment, *Applied Geochemistry*, 51, pp. 65-78, 2014
- Lihui Wu, Haruo Hayashi: The Impact of Disasters on Japan's Inbound Tourism Demand, *Journal of Disaster Research*, 9,sp, pp. 699-708, 2014
- Lin,W., S.Saito, J.J.Mori, N. Eguchi, S. Toczko: Summary of the Japan Trench Fast Drilling Project (JFAST) and its main achievements, *Jour. Japan Soc. Eng. Geol.*, 55, pp. 1-10, 2014
- Liu,A., Yamada,M: Bayesian Approach for Identification of Multiple Events in an Early Warning System, *Bulletin of the Seismological Society of America*, 104, 3, pp. 1111-1121, 2014
- Liusheng He, Masahiro Kurata, Masayoshi Nakashima: Condition assessment of steel shear walls with tapered links under various loadings, *Earthquake and Structures*, 9, 4, pp. 767-788, 2015
- Liusheng He, Takuma Togo, Kazuhiro Hayashi, Masahiro Kurata, Masayoshi Nakashima: Cyclic Behavior of Multi-Row Slit Shear Walls Made from Low Yield Point Steel, *Journal of Structural Engineering*, 2016
- Lorenz,R.D., Balme M R., Gu Z., Kahanpaa H., Klose M., Kurgansky M.V., Patel M. R., Reiss D., Rossi A.P., Spiga A., Takemi Tetsuya, Wei W.: History and applications of dust devil studies, *Space Science Reviews*, 203, pp. 5-37, 2016, doi: 10.1007/s11214-016-0239-2
- Luo Pingping, Takara Kaoru, Apip, He Bin, Nover Daniel: Palaeoflood simulation of the Kamo River basin using a grid-cell distributed rainfall run-off model, *Journal of Flood Risk Management*, 7, 2, 2014, DOI: 10.1111/jfr3.12038
- Luo,P., Takara,K., Apip, He,B., Nover,D.: Reconstruction assessment of historical land use: A case study in the Kamo River basin, Kyoto, Japan, *Computers & Geosciences*, 63, pp. 106-115, 2014
- M.Ikari, Y.Ito, K.Ujiie, A.J.Kopf: Spectrum of slip behaviour in Tohoku fault zone samples at plate tectonic slip rates, *Nature Geoscience*,8,pp.870-874,2015,doi:10.1038/ngeo2547
- Ma Weiqiang, Ma Yaoming, Ishikawa Hirohiko: Evaluation of the SEBS for upscaling the evapotranspiration based on in-situ observations over the Tibetan Plateau, *Atmospheric Research*, 138, pp. 91-97, 2014, DOI:10.1016/j.atmosres
- Maeda Yuta, Yamaoka Koshun, Miyamachi Hiroki, Watanabe Toshiki, Kunitomo Takahiro, Ikuta Ryoya, Yakiwara Hiroshi, Iguchi Masato: A subsurface structure

- change associated with the eruptive activity at Sakurajima Volcano, Japan, inferred from an accurately controlled source, *Geophys. Res. Lett.*, 42, pp. 5179-5186, 2015, doi:10.1002/2015GL064351
- Mai,P.M., D.Schorlemmer, M.Page, J.-P.Ampuero, K.Asano, M.Causse, S.Custodio, W. Fan, G.Festa, M.Galis, F.Gallovic, W.Imperatori, M.Käser, D.Malytskyy, R.Okuwaki, F.Pollitz, L.Passone, H.Razafindrakoto, H.Sekiguchi, S.G.Song, S.Somala, K.Thingbaijam, C.Twardzik, M.van Driel: The Earthquake-Source Inversion Validation (SIV) Project, *Seismological Research Letters*, 87, 3, pp. 690-708, 2016, doi:10.1785/0220150231
- Maki Masayuki, Iguchi Masato, Maesaka Takeshi, Miwa Takahiro, Tanada Toshikazu, Kozono Tomofumi, Mototani Tatsuya, Yamaji Akihiko, Kakimoto Ikuja: Preliminary results of weather radar observations of Sakurajima volcanic smoke, *Jour. Disast. Res.*, 11, pp. 15-30, 2015
- Maki Norio: Long term recovery from the 2011 Great East Japan Earthquake and Tsunami Disaster, *Advances in Natural Hazards Research*, 44, pp. 1-14, 2015
- Maochuan Hu, Takahiro Sayama, Shusuke Takahashi, Kaoru Takara: Impact assessment of human activities and climate change on annual runoff in the Kamo River basin, *土木学会論文集 B1(水工学)*, 72, 4, pp. I_451-I_456, 2016
- Masahiro Miyazaki, Satoshi Matsumoto, Hiroshi Shimizu: Triggered tremors beneath the seismogenic zone of an active fault zone, Kyushu, Japan, *Earth, Planets and Space*, 67, 2015, doi:10.1186/s40623-015-0346-4
- Masaoka Naoya, Kosugi Ken'ichirou, Yamakawa Yosuke, Tsutsumi Daizo: Processes of bedrock groundwater seepage and their effects on soil water fluxes in a foot slope area, *Journal of Hydrology*, 535, pp. 160-172, 201610.1016/j.jhydrol.2016.01.081
- Masaru Inatsu, Naoto Nakano, Seiichiro Kusuoka, Hitoshi Mukougawa: Predictability of Wintertime Stratospheric Circulation Examined Using a Non-stationary Fluctuation Dissipation Relation, *J. Atmos. Sci.*, 2015, doi:10.1175/JAS-D-14-0088.1
- Masatoshi Miyazawa: An investigation into the remote triggering of the Oita earthquake by the 2016 Mw 7.0 Kumamoto earthquake using full wavefield simulation, *Earth Planets Space*, 68, 2016, doi:10.1186/s40623-016-0585-z
- Mase H., Karunarathna H., Reeve D.: Climate change effects on seawall stability, *Proc. 2nd Annual Conf. Climate change: scenarios, impacts and policy*, Italian Society for Climate Sciences, pp. 870-877, 2014
- Mase,H., Tamada,T., Yasuda,T., Karunarathna,H., Reeve,D.E.: Analysis of climate change effects on seawall reliability, *Coastal Eng.Jour.*,Vol.57,No.3, pp.1550010-1-1550010-18,2015, doi:10.1142/S0578563415500102
- Mase,H., Tom,H.A., Ikemoto,A., Shimura,T., Yasuda,T., Mori, N.: Mapping of offshore wind and wave around Japan for selection of floating offshore wind turbine, *Proc. GRAND RENEWABLE ENERGY 2014*, Tokyo Japan, 2014 No.O-Wd-2-5
- Mase,H., Yasuda,T., Mori,N., Tom,T.H.A., Ikemoto,A., Utsunomiya,T.: Analysis and forecasting of winds and waves for a floating type wind turbine, *Proc. 34th Conf. on Coastal Eng.*,Seoul,Korea,2014, ISBN: 978-0-9896611-2-6
- Mase,H., Yasuda,T., Reis,T.M., Karunarathna,H., Yang,J.A: Stability formula and failure probability analysis of wave-dissipating blocks considering wave breaking, *Jour. Ocean Eng., and marine Energy*, Vol. 1, Issue 1, pp. 45-54, 2015, doi: 10.1007/s40722-014-0004-0
- Mateo C.M., Hanasaki Naota, Komori Daisuke, Tanaka Kenji Kiguchi Masashi, Champathong A., Sukhapunnaphan Thada, Yamazaki Dai, Oki Taikan: Assessing the impacts of reservoir operation to floodplain inundation by combining hydrological, reservoir management, and hydrodynamic models, *Water Resources Research*, 50, 9, pp. 7245-7266, 2014
- Matsumoto Satoshi, Katao Hiroshi, Iio Yoshihisa: Determining changes in the state of stress associated with an earthquake via combined focal mechanism and moment tensor analysis: Application to the 2013 Awaji Island earthquake, Japan, *Tectonophysics*, 649, pp. 58-67, 2015
- Matsumoto Satoshi, Nakao Shigeru, Ohkura Takahiro, Miyazaki Masahiro, Shimizu Hiroshi, Abe Yuki, Inoue Hiroyuki, Nakamoto Manami, Yoshikawa Shin, Yamashita Yusuke: Spatial heterogeneities in tectonic stress in Kyushu, Japan and their relation to a major shear zone, *Earth, Planets and Space*, 67, 172, 2015, doi:10.1186/s40623-015-0342-8
- Matsushi Y., Chigira M., Kosugi K.: Orographic rainfall, deep-seated catastrophic landslides, and landscape evolution: geomorphic hazard assessment in active orogens, *Proceedings of INTERPRAEVENT 2014*, pp. 0-4, 2014
- Matsushima Shinichi, Hirokawa Takanori, De Martin Florent, Kawase Hiroshi, Sanchez-Sesma Francisco J.: The Effect of Lateral Heterogeneity on Horizontal - to - Vertical Spectral Ratio of Microtremors Inferred from Observation and Synthetics, *Bulletin of the Seismological Society of America*,104,1,pp.381-393,2014,DOI:10.1785/0120120321
- Mayumi Sakamoto, Miwa Kuri, Masato Iguchi, Norio Maki, Taro Ichiko, Naoya Sekiya and Hideyuki Kobayashi: Disaster Governance in Disaster Management Planning – Analysis of the Evacuation Planning Process for Kuchinoerabujima Volcano Eruption –, *Journal of Natural Disaster Science*, 2, 37, pp. 105-112, 2016
- Megumi O.Chikamoto, Axel Timmermann, Yoshimitsu Chikamoto, Hiroki Tokinaga, Naomi Harada: Mechanisms and predictability of multi-year ecosystem variability in the North Pacific, *Global Biogeochemical Cycles*, 29, 11, pp. 2001-2019, 2015, doi:10.1002/2015GB005096
- Miao,H., Wang,G., Yin,K.L., Kamai,T., Li,Y.Y.: Mechanism of the slow-moving landslides in Jurassic red-strata in the Three Gorges Reservoir, China., *Engineering Geology*, 171, pp. 59-69, 2014, DOI:10.1016/j.enggeo.2013.12.017

- Mishra Huma Kanta, Igarashi Akira, Dang Ji, Matsushima Hiroshi: Pseudo-dynamic testing for seismic performance assessment of buildings with seismic isolation system using scrap tire rubber pad isolators, Journal of Civil Engineering and Architecture, 8, 1, pp. 73-88, 2014
- Miyamoto Yoshiaki, Takemi Tetsuya: A triggering mechanism for rapid intensification of tropical cyclones, Journal of the Atmospheric Sciences, 72, 7, pp. 2666-2681, 2015
- Miyazawa Masatoshi: Seismic fatigue failure may have triggered the 2014 Mw7.9 Rat Islands earthquake, Geophysical Research Letters, 42, pp. 2196-2203, 2015, doi:10.1002/2015GL063036
- Mori N., M.Kjerland, S.Nakajo, Y.Shibutani and T.Shimura: Impact assessment of climate change on coastal hazards in Japan, Hydrological Research Letters, 3, 10, pp. 101-105, 2016
- Mori,J., F.Chester, E.E.Brodsky, S. Kodaira: Investigation of the Huge Tsunami from the 2011 Tohoku-Oki, Japan, Earthquake Using Ocean Floor Boreholes to the Fault Zone, Oceanography, 27, pp. 132-137, 2014
- Mori,N., Kato,M., Kim,S., Mase,H. Shibutani,Y., Takemi,T., Tsuboki,K., Yasuda,T.: Local amplification of storm surge by Super Typhoon Haiyan in Leyte Gulf, Geophysical Research Letters, American Geophysical Union, 41, pp. 5106-5113, 2014, DOI:10.1002/2014GL060689
- Mori,N., M.Kjerland, S.Nakajo, Y.Shibutani, T.Shimura: Impact assessment of climate change on coastal hazards in Japan, Hydrological Research Letters, 10, 3, 2016, doi: 10.3178/hrl.10.101
- Mori,N., T.Takemi: Impact assessment of coastal hazards due to future changes of tropical cyclones in the North Pacific Ocean, Weather and Climate Extremes, 11, pp. 53-69, 2016, doi:10.1016/j.wace.2015.09.002
- Mori,N., Takagi,Y., Kawaguchi,K., Kashima,H., Mase,H., Yasuda,T., Shimada,H.: Estimation of maximum wave heights by wave spectral model and nonlinear wave theory, Proc. 34th Conf. on Coastal Eng., Seoul, Korea, 2014, ISBN: 978-0-9896611-2-6
- Munenari Inoguchi, Keiko Tamura, Satomi Sudo, Haruo Hayashi: Implementation of Prototype Mobile Application Operated on Smartphones for Micromedia Service, Journal of Disaster Research, 9, 2, pp. 139-148, 2014
- Muneta Yokomatsu, Hiroyuki Wada, Hiroaki Ishiwata, Takeshi Kono, Katsumi Wakigawa : An Economic Growth Model for Disaster Risk Reduction in Developing Countries, the Proceedings of the 2014, IEEE International Conference on Systems, Man and Cybernetics, pp. 1584-1591, 2014
- Murase Masayuki, Kimata Fumiaki, Yamanaka Yoshiko, Horikawa Shinichiro, Matsuhiko Kenjiro, Matsushima Takeshi, Mori Hitoshi, Ohkura Takahiro, Yoshikawa Shin, Miyajima Rikio, Inoue Hiroyuki, Mishima Taketoshi, Sonoda Tadaomi, Uchida Kazunari, Yamamoto Keigo: Preparatory process preceding the 2014 eruption of Mount Ontake volcano, Japan: insights from precise leveling measurements, Earth, Planets and Space, 2016, doi 10.1186/s40623-016-0386-4
- Murotani Satoko, Matsushima Shinichi, Azuma Takashi, Irikura Kojiro, Kitagawa Sadayuki: Scaling Relations of Source Parameters of Earthquakes Occurring on Inland Crustal Mega-Fault Systems, Pure and Applied Geophysics, 2014, DOI:10.1007/s00024-014-1010-9
- Muto,J., B.Shibasaki, T.Iinuma, Y.Ito, Y.Ohta, S.Miura, Y.Nakai: Heterogeneous rheology controlled postseismic deformation of the 2011 Tohoku-Oki earthquake, Geophys. Res. Lett., 43, pp. 4971-4978, 2016
- Nagashima Fumiaki, Matsushima Shinichi, Kawase Hiroshi, Sanchez-Sesma Francisco J.: Application of H/V Spectral Ratios of Earthquake Ground Motions to Identify Subsurface Structures at and around the K-NET Site in Tohoku, Japan, Bulletin of the Seismological Society of America, 104, 5, pp. 2288-2302, 2014, DOI:10.1785/0120130219
- Nakajo,S., Mori,N., Kim,S.-Y., Yasuda,T., Yamada,F., Mase, H.: Basic Study on estimation method of return period and variation range of severe storm surge event, Proc. 34th Conf. on Coastal Eng., Seoul, Korea, 2014, ISBN: 978-0-9896611-2-6
- Nakajo,S., N.Mori, T.Yasuda, H.Mase: Global stochastic tropical cyclone model based on principal component analysis with cluster analysis, Journal of Applied Meteorology and Climatology, American Meteorological Society, Vol.53, pp. 1547-1577, 2014, DOI: 10.1175/JAMC-D-13-08.1
- Nakakita,E., H.Sato, R.Nishiwaki, H.Yamabe, K.Yamaguchi: Early detection of baby-rain-cell aloft in a severe storm and risk projection for urban flash flood, Advances in Meteorology, 15, 2017
- Nakano Kenichi, Matsushima Shinichi, Kawase Hiroshi: Statistical properties of strong ground motions from the generalized spectral inversion of data observed by K-NET, KiK-net, and the JMA Shindo-kei Network in Japan, Bulletin of the Seismological Society of America, 105, pp. 2662-2680, 2015, doi:10.1785/0120140349
- Nakashima,M., Lavan,O., Kurata,M., Luo,Y.: Earthquake Engineering Research Needs in Light of Lessons Learned from the 2011 Tohoku Earthquake, Earthquake Engineering and Engineering Vibration, 13, pp. 141-149, 2014
- Nakayama Hiromasa, Takemi Tetsuya, Nagai Haruyasu: Development of local-scale high-resolution atmospheric dispersion model using large-eddy simulation. Part 5: Detailed simulation of turbulent flows and plume dispersion in an actual urban area under real meteorological conditions, Journal of Nuclear Science and Technology, 53, pp. 887-908, 2016, doi: 10.1080/00223131.2015.1078262
- Nakayama Hiromasa, Takemi Tetsuya, Nagai Haruyasu: Large-eddy simulation of plume dispersion under various thermally stratified boundary layers, Advances in Science and Research, 11, pp. 75-81, 2014, DOI:10.5194/asr-11-75-2014

- Nakayama Hiromasa, Takemi Tetsuya, Nagai Haruyasu: Large-eddy simulation of turbulent winds during the Fukushima Daiichi Nuclear Power Plant accident by coupling with a meso-scale meteorological simulation model, *Advances in Science and Research*, 12, pp. 127-133, 2015, doi:10.5194/asr-12-127-2015
- Namura Ruka, Touge Yoshiya, Tanaka Kenji, Khujanazarov Temur, Tanaka Shigenobu: Projection of Available Water Resources in Zaravshan River Basin Under Future Climate, *Asia Oceania Geosciences Society (AOGS) Joint Assembly*, pp. 212-212, 2014
- Ninomiya,J., Mori,N., Yasuda,T., Mase,H.: Parameterization of coupled air-sea interaction for storm surge and ocean current structure modeling, *Proc. 34th Conf. on Coastal Eng.*, Seoul,Korea,pp. 8-8, 2014, ISBN: 978-0-9896611-2-6
- Nishijima Kazuyoshi: Concept of decision graphical framework for optimising adaptation of civil infrastructure to a changing climate, *Structure and Infrastructure Engineering*, 201510.1080/15732479.2015.1020496
- Nishimura Takuya, Suito Hisashi, Kobayashi Tomokazu, Dong Qinki, Shibayama Takashi: Excess strain in the Echigo Plain sedimentary basin, NE Japan: Evidence from coseismic deformation of the 2011 Tohoku-oki earthquake, *Geophys. J. Int.*, 2016, doi: 10.1093/gji/ggw102
- Nishitsuji,Y, J.Mori: Source parameters and radiation efficiency for intermediate-depth earthquakes in Northeast Japan, *Geophys. J. Int.*, 196, pp. 1247-1259, 2014, DOI: 10.1093/gji/ggt4582014
- Nobuo Geshi, Masato Iguchi, Hiroshi Shinohara: Phreatomagmatic eruptions of 2014 and 2015 in Kuchinoerabujima Volcano triggered by a shallow intrusion of magma, *Journal of Natural Disaster Science*, 2, 37, 2016
- Noguchi,S., H.Mukougawa, Y.Kuroda, R.Mizuta, S.Yabu, and H.Yoshimura: Predictability of the stratospheric polar vortex breakdown: An ensemble reforecast experiment for the splitting event in January 2009, *J. Geophys. Res. Atmos.*, 2016
- Nohara Daisuke, Hori Tomoharu: Impact analysis of stochastic inflow prediction with reliability and discrimination indices on long-term reservoir operation, *Journal of Hydroinformatics*, *Journal of Hydroinformatics*, 16, 2, pp. 487-501, 2014
- Nourjou Reza, Michinori Hatayama: Simulation of an Organization of Spatial Intelligent Agents in the Visual C#.NET Framework, *International Journal of Computer Theory and Engineering*, 6, 5, 2014, DOI: 10.7763/IJCTE.2014.V6.903
- Nourjou Reza, Pedro Szekely, Michinori Hatayama, Mohsen Ghafory-Ashtiani, Stephen F. Smith: Data Model of the Strategic Action Planning and Scheduling Problem in a Disaster Response Team., *Journal of Disaster Research*, 9, 3, 2014
- Nourjou Reza, Stephen F.Smith, Michinori Hatayama, Norio Okada, Pedro Szekely: Dynamic Assignment of Geospatial-Temporal Macro Tasks to Agents under Human Strategic Decisions for Centralized Scheduling in Multi-agent Systems, *International Journal of Machine Learning and Computing*, 4, 1, pp. 39-46, 2014, DOI: 10.7763/IJMLC.2014.V4.383
- Ogawa,M., S.Oishi, K.Yamaguchi, E.Nakakita: Quantitative parametric approach to estimating snowflake size distributions using an optical sensing disdrometer, *Scientific Online Letters on the Atmosphere (SOLA)*, 11, pp. 134-137, 2015, doi:10.2151/sola.2015-031
- Ohigashi,T., K.Tsuboki, and M.Oue: Cloud-top supercooled liquid droplets in stratiform clouds observed during winter in inland Hokkaido, Japan, *SOLA*, 12, pp. 140-145, 2016
- Ohsawa Teruo, Ishigami Kazuki, Misaki Takeshi, Baba Yasuyuki, Kawaguchi Koji: Comparison of WRF-based methods for wind resource assessment at an offshore site, *ISOPE2015* 2015
- Ohta Yusaku, Iguchi Masato: Advective diffusion of volcanic plume captured by dense GNSS network around Sakurajima volcano: a case study of the vulcanian eruption on July 24, 2012, *Earth, Planets and Space*, 67, 2015, doi: 10.1186/s40623-015-0324-x
- Oishi Satoru, Iida Masahiro, Muranishi Masahide, Ogawa Mariko, Ratih Indri Hapsari, Iguchi Masato: Mechanism of volcanic tephra falling detected by X-band multi-parameter radar, *Jour. Disast. Res.*, 11, 2015
- Okada,T., Matsuzawa,T., Umino,N., Yoshida,K., Hasegawa,A., Takahashi,H., Yamada,T., Kosuga,M., Takeda,T., Kato,A., Igarashi,T., Obara,K., Sakai,S., Saiga,A., Nakamichi,H.: Hypocenter migration and crustal seismic velocity distribution observed for the inland earthquake swarms induced by the 2011 Tohoku-Oki earthquake in NE Japan: implications for crustal fluid distribution and crustal permeability, *Geofluids*, 15, pp. 293-309, 2014, DOI:10.1111/gfl.12112
- Oku Yuichiro, Yoshino Jun, Takemi Tetsuya, Ishikawa Hirohiko: Assessment of heavy rainfall-induced disaster potential based on an ensemble simulation of Typhoon Talas (2011) with controlled track and intensity, *Natural Hazards and Earth System Sciences*, 14, pp. 2699-2709, 2014, DOI:10.5194/nhess-14-2699-2014
- Ono kenji, Tatsumi Jun, Nakao Takeyoshi, Shimakura Yasuo: Possible mobilization of ferry boats for facilitating seamless logistics at the disaster Area, *The 5th International Conference on Transport and Logistics*, 2014
- Ota,K., Sato,T., Nakagawa,H.: 3D numerical model of sediment transport considering transition from bed-load motion to suspension -Application to a scour upstream of a cross-river structure-3D numerical model of sediment transport considering transition from bed-load motion to suspension -Application to a scour upstream of a cross-river structure-, *Journal of JSCE*(Originally published in *Journal of Japan Society of Civil Engineers*, Ser.B1, Vol.71, No.4, pp.I_883-I_888, 2015 in Japanese), 4, pp. 173-180, 2016
- Ota,K., Sato,T., Nakagawa,H., Kawaike,K.: Three-Dimensional Simulation of Local Scour around a Weir-type Structure: Hy-

- brid Euler-Lagrange Model for Bed-Material LoadThree-Dimensional Simulation of Local Scour around a Weir-type Structure: Hybrid Euler-Lagrange Model for Bed-Material Load, *Journal of Hydraulic Engineering*, ASCE, 2016
- Ota,K., Sato,T., Arai,R., Nakagawa,H.: Local Scour upstream of a Slit Weir : Ordinary-Differential-Equation Based Model under Steady and Unsteady Flow ConditionsLocal Scour upstream of a Slit Weir : Ordinary-Differential-Equation Based Model under Steady and Unsteady Flow Conditions, *Journal of Hydraulic Engineering*, ASCE, 1, 143, 2017
- Oue,M., K.Inagaki, T.Shinoda, T.Ohigashi, T.Kouketsu, M.Kato, K.Tsuboki, H.Uyeda: Polarimetric Doppler radar analysis of organization of a stationary rainband with changing orientations in July 2010, *Journal of the Meteorological Society of Japan*, 5, 92, pp. 457-481, 2014
- Oue,M., T.Ohigashi, K.Tsuboki, E.Nakakita: Vertical distribution of precipitation particles in Baiu frontal stratiform intense rainfall around Okinawa Island, Japan, *Journal of Geophysical Research: Atmosphere*, 11, 120, pp. 5622-5637, 2015
- Perera,E.D.P., A.Hiroe, D.Shrestha, K.Fukami, D.B.Basnyat, S.Gautam, A.Hasegawa, T.Uenoyama, S.Tanaka: Community-based flood damage assessment approach for lower West Rapti River basin in Nepal under the impact of climate change, *Natural Hazards*, 2014, DOI 10.1007/s11069-014-1339-5
- Pierre-Henri BAZIN, Hajime NAKAGAWA, Kenji KAWAIKE, Andre PAQUIER, Emmanuel MIGNOT: Modeling Flow Exchanges between a Street and an Underground Drainage Pipe during Urban Floods, *Journal of Hydraulic Engineering*, ASCE, 140, 10, pp. 04014051-1-04014051-10, 2014, DOI:10.1061/(ASCE)HY.1943-7900.0000917
- Poulidis A. P., Takemi Tetsuya: A 1998-2013 climatology of Kyushu, Japan: Seasonal variation of stability and rainfall, *International Journal of Climatology*, 37, pp. 1843-1858, 2017, doi: 10.1002/joc.4817
- Pringle, W., N.Yoneyama, N.Mori: Two-way coupled long wave-RANS model: Solitary wave transformation and breaking on a plane beach, *Coastal Engineering*, 114, pp. 99-118, 2016
- R.Harris, L.Wallace, S.Webb, Y.Ito, K.Mochizuki, H. Ichihara, S.Henrys, A.Trehu, S.Schwartz, A.Sheehan, D.Saffer, R.Lauer: Investigations of shallow slow slip offshore of New Zealand, *EOS*, 97, 2016, doi:10.1029/2016EO048945
- Rafkin S., Jemmett-Smith S.B., Fenton L., Lorenz R., Takemi Tetsuya, Ito J., Tyler D.: Dust devil formation, *Space Science Reviews*, 203, pp. 183-207, 2016, doi: 10.1007/s11214-016-0307-7
- Ram Krishna REGMI, Kwansue JUNG, Hajime NAKAGAWA, Jaewon KANG, Giha LEE:Sediment Erosion and Transport Experiments in Laboratory using Artificial Rainfall Simulator, *Journal of the Korean Geo-Environmental Society*, 15 ,pp.13-27,2014,DOI:<http://dx.DOI.org/10.14481/jkges.2014.5.13>
- Ram Krishna REGMI, Kwansue JUNG, Hajime NAKAGAWA, Jaewon KANG: Study on mechanism of retrogressive slope failure using artificial rainfall, *CATENA*, 122, pp. 27-41, 2014, DOI:10.1016/j.catena.2014.06.001
- Reo Kimura, Haruo Hayashi, Shingo Suzuki, Kosuke Kobayashi, Kenshin Urabe, Satoshi Inoue, Takahiro Nishino: Systematization and Sharing of Disaster Management Literacy by DMLH, *Journal of Disaster Research*, 9, 2, pp. 176-187, 2014
- Reza Nourjou, Stephen F. Smith, Michinori Hatayama, Pedro Szekely: Intelligent Algorithm for Assignment of Agents to Human Strategy in Centralized Multi-agent Coordination., *Journal of Software*, 9, 10, pp. 2586-2597, 2014, DOI:10.4304/jsw.9.10
- Rodrigo Fernandez, Takahiro Sayama: Comparison of future runoff projections using Budyko framework and global hydrologic model: conceptual simplicity vs process complexity, *Hydrological Research Letters*, 4, 9, pp. 75-83, 2015
- Rodrigo Fernandez, Takahiro Sayama: Hydrological recurrence as a measure for a large river basin classification and process understanding, *Hydrology and Earth System Sciences*, 4, 19, pp. 1919-1942, 2015
- Ryunosuke Kazahaya, Hiroshi Shinohara, Toshiya Mori, Masato Iguchi, Akihiko Yokoo: Pre-eruptive inflation caused by gas accumulation: Insight from detailed gas flux variation at Sakurajima volcano, Japan, *Geophysical Research Letters*, 43, pp. 11219-11225, 2016
- S. Kawamoto, Y. Hiyama, Y. Ohta, T. Nishimura: First result from the GEONET real-time analysis system (REGARD): the case of the 2016 Kumamoto earthquakesFirst result from the GEONET real-time analysis system (REGARD): the case of the 2016 Kumamoto earthquakes, *Earth Planets Space*, 68, pp. 190-, 2016, doi:10.1186/s40623-016-0564-4
- S. Kawamoto, Y. Ohta, Y. Hiyama, M. Todoriki, T. Nishimura, T. Furuya, Y. Sato, T. Yahagi, K. Miyagawa: A new GNSS-based real-time finite fault modeling system for GEONETA new GNSS-based real-time finite fault modeling system for GEONET, *J. Geophys. Res. Solid Earth*, 122, 2017, doi:10.1002/2016JB013485
- S. Kotsuki, K. Tanaka: SACRA-a method for the estimation of global high-resolution crop calendars from a satellite-sensed NDVI, *Hydrology and Earth System Sciences*, 19, pp. 4441-4461, 2015
- S.D.N.Lourenco, Wang,G., Kamai,T: Processes in model slopes made of mixtures of wettable and water repellent sand: Implications for the initiation of debris flows in dry slopes, *Engineering Geology*, 196, pp. 47-58, 2015, doi:10.1016/j.enggeo.2015.06.021
- Saber Mohamed, Hamaguchi Toshio, Kojiri Toshiharu, Tanaka Kenji, Sumi Tetsuya: A physically based distributed hydrological model of wadi system to simulate flash floods in arid regions, *Arabian Journal of Geosciences*, 8, 1, pp. 143-160, 2015

- Salinas Victor, Luzon Francisco, Garcia-Jerez Antonio, anchez-Sesma FranciscoJ., Kawase Hiroshi, Matsushima Shinichi, Suarez Martha, Cuellar Armando, Campillo Michel: Using Diffuse Field Theory to Interpret the H/V Spectral Ratio from Earthquake Records in Cibeles Seismic Station, Mexico City, Bulletin of the Seismological Society of America, 104, 2, pp. 995-1001, 2014, DOI:10.1785/0120130202
- Samaddar Subhajyoti, Yokomatsu Muneta, Dayour Frederick, Oteng-Ababio Martin, Dzivenu Togbiga, Adams Mujeeb, Ishikawa Hirohiko: Effective Public Participation in Disaster management and Climate Change Adaptation: Insights From Northern Ghana Trough a User-Based Approach, Risk, Hazards & Crisis in Public Policy, 6, 1, pp. 117-143, 201510.1002/rhc.3.12075.
- Samaddar Subhajyoti, Yokomatsu Muneta, Dzivenu Togbiga, Oteng-Ababio Martin, Rahaman Mujeeb Adams, Dayour Frederick, Ishikawa Hirohiko: Assessing Rural Communities Concerns for Improved Climate Change Adaptation Strategies in Northern Ghana, Journal of Disaster Research, 9, 4, pp. 529-541, 2014
- Satoshi Matsumoto, Shigeru Nakao, Takahiro Ohkura, Masahiro Miyazaki, Hiroshi Shimizu, Yuki Abe, Hiroyuki Inoue, Manami Nakamoto, Shin Yoshikawa, Yusuke Yamashita: Spatial heterogeneities in tectonic stress in Kyushu, Japan and their relation to a major shear zone, Earth, Planets and Space, 67, 2015, doi:10.1186/s40623-015-0342-8
- Satoshi Matsumoto, Takuya Nishimura, Takahiro Okura: Inelastic strain rate in the seismogenic layer of Kyushu Island, Japan, Earth Planets Space, 68, pp. 207-, 2016, doi: 10.1186/s40623-016-0584-0
- Savage M.K., Aoki Yosuke, Unglert K., Ohkura Takahiro, Umakoshi Kodo, Shimizu Hiroshi, Iguchi Masato, Tameguri Takeshi, Ohminato Takao, Mori James J.: Stress, strain rate and anisotropy in Kyushu, Japan, Earth Planet Science Letter, 439, pp. 129-142, 2016, dx.doi.org/10.1016/j.epsl.2016.01.005
- Sawai Nobuhiko, Kobayashi Kenichiro, Apip, Takara Kaoru, Ishikawa Hirohiko, Yokomatsu Muneta, Samaddar Suhajyoti, Juati Ayilar-Naa, Kranjac-Berisavljevic Gordana: Impact of Climate Change on River Flows in the Black Volta River, Journal of Disaster Research, 9, 4, pp. 432-442, 2014
- Sekimoto S., Okumura S., Yashima H., Matsushi Y., Matsuzaki H., Matsumura H., Toyoda A., Oishi K., Matsuda N., Kasugai Y., Sakamoto Y., Nakashima H.: Measurements of production cross sections of ^{10}Be and ^{26}Al by 120 GeV and 392 MeV proton bombardment of ^{89}Y , ^{159}Tb , and natCu targets., Nuclear Instruments and Methods in Physics Research, B 361, pp. 685-688, 2015
- Setsuya Nakada, Akhmad Zaennudin, Mitsuhiro Yoshimoto, Fukashi Maeno, Yuki Suzuki, Natsumi Hokanishi, Hisashi Sasaki, Masato Iguchi, Takahiro Ohkura, Hendra Gunawan, Hetty Triastuty: Growth process of the lava dome/flow complex at Sinabung Volcano during 2013-2016, Journal of Volcanology and Geothermal Research, 2017
- Shaibu Abdul-Ganiyu, Benjamin Osei-Mensah, Thomas A. Apusiga, Hirohiko Ishikawa, Gordana Kranjac-Berisavljevic: Effects of Different Planting Distance on Soil moisture content and Yield of Maize (*Zea mays L.*) in Tolon District of Northern Region, Ghana, Greener Journal of Agricultural Sciences, 5, 7,pp.265-277,2015,doi: 10.15580/GJAS.2015.7.100415139
- Shi Yundong, Kurata Masahiro, Nakashima Masayoshi: Disorder and damage of base-isolated medical facilities when subjected to near-fault and long-period ground motions, Earthquake Engineering and Structural Dynamics, 2014
- Shibutani,Y., Kim,S., Yasuda,T., Mori,N., Mase,H.: Sensitivity of future tropical cyclone changes to storm surge and inundation -Case study in Ise bay, Japan -, Proc. 34th Conf. on Coastal Eng.,Seoul,Korea,2014,ISBN: 978-0-9896611-2-6
- Shigekazu Kusumoto, Yasuto Ito, Keiji Takemura, Tomotaka Iwata: Displacement Fields of Sedimentary Layers Controlled by Fault Parameters: The Discrete Element Method of Controlling Basement Motions by Dislocation Solutions, Earth Sciences, 4, 3, pp. 89-94, 2015, doi:10.11648/j.earth.20150403.11
- Shijo,R., Tsukuda,Y., Sato,T., Higuchi,K., Kudo,S., Ishizaki,J., Shimizu,S., Mase,H.: Tsunami simulation by 3D model around a power station due to the 2011 Tohoku Earthquake, Coastal Eng. Jour., Vol.58, No.1, pp. pp.1640014-1-1640014-18,2016,doi:10.1142/S0578563416400143
- Shikakura,Y., Fukahata,Y., Hirahara,K.: Long-term changes in the Coulomb failure function on inland active faults in southwest Japan due to east-west compression and interplate earthquakes, Journal of Geophysical Research, 119, pp. 502-518, 2014, DOI:10.1002/2013JB010156
- Shimura T., Mori N., Takemi Tetsuya, Mizuta R.: Long term impacts of ocean wave-dependent roughness on global climate systems, Journal of Geophysical Research: Oceans, 122, pp. 1995-2011, 2017, doi: 10.1002/2016JC012621
- Shimura T., N.Mori, H.Mase: Future projections of extreme ocean wave climates and the relation to tropical cyclones -Ensemble experiments of MRI-AGCM3.2H, Journal of Climate, 28, pp. 9838-9856, 2015
- Shimura,T., Mori,N., Mase,H.: Future Projection of Ocean Wave Climate: Analysis of SST Impacts on Wave Climate Changes in the Western North Pacific, Journal of Climate, Vol. 28, Issue 8, pp. 3171-3190, 2015 doi: http://dx.doi.org/10.1175/JCLI-D-14-00187.1
- Shimura,T., N.Mori, M.A.Hemer: Projection of tropical cyclone-generated extreme wave climate based on CMIP5 multi-model ensemble in the Western North Pacific, Climate Dynamics, 2016, doi:10.1007/s00382-016-3390-2
- Shimura,T., N.Mori, M.A.Hemer: Variability and future decreases in winter wave heights in the Western North Pacific,Geophysical Research Letters, 2016, doi:10.1002/2016GL067924
- Shingaki Yoshikazu, Goto Hiroyuki, Sawada Sumio: Numerical study on wave propagation in a low-rigidity elastic me-

- dium considering the effects of gravity, *Wave Motion*, 51, 5, pp. 729-742, 2014, DOI.org/10.1016/j.wavemoti.2013.12.006
- Shingo Suzuki, Haruo Hayashi, Masafumi Hosokawa: Development of Urban Resilience GeoPortal Online for the Better Understanding of Disaster Scenarios, *Journal of Disaster Research*, 9, 2, pp. 128-138, 2014
- Shiyu Zhang, Muneta Yokomatsu: Disaster Risk and Effect of Informal Insurance on Human Capital Formation in Rural Areas of Developing Countries, *Journal of Integrated Disaster Risk Management*, 4, 2, pp. 27-49, 2014
- Shogo Komori, Mitsuru Utsugi, Tsuneomi Kagiyama, Hiroyuki Inoue, Chang-Hwa Chen, Hsieh-Tang Chiang, Benjamin Fong Chao, Ryohei Yoshimura, Wataru Kanda: Hydrothermal system in the Tatum Volcano Group, northern Taiwan, inferred from crustal resistivity structure by audio-magnetotellurics, *Progress in Earth and Planetary Science*, 1, 2014
- Shrestha B.B., T.Okazumi, M.Miyamoto, S.Nabesaka, S.Tanaka, A.Sugiura: Fundamental Analysis for Flood Risk Management in the Selected River Basins of Southeast Asia, *JDR*, 9, 5, pp. 858-869, 2014
- Shrestha, B.B, Nakagawa,H.: Prediction of debris-flow and flood characteristics caused by potential outburst of the Imja glacial lake in NepalPrediction of debris-flow and flood characteristics caused by potential outburst of the Imja glacial lake in Nepal, *International Journal of Erosion Control Engineering*, 1, 9, pp. 7-17, 2016
- Shrestha,B.B., Nakagawa,H.: Hazard assessment of the formation and failure of the Sunkoshi landslide dam in NepalHazard assessment of the formation and failure of the Sunkoshi landslide dam in Nepal, *Natural Hazards*, 2016, doi 0.1007/s11069-016-2283-3
- Shunsuke Noguchi, Hitoshi Mukougawa, Toshihiko Hirooka, Masakazu Taguchi, Shigeo Yoden: Month-to-month predictability variations of the winter-time stratospheric polar vortex in an operational one-month ensemble prediction system, *J. Meteor. Soc. Japan*, 2014, DOI:10.2151/jmsj.2014-603
- Shuoyun Zhang, Kazuyoshi Nishijima, Takashi Maruyama: Reliability-based modeling of typhoon induced wind vulnerability for residential buildings in Japan, *Journal of Wind Engineering and Industrial Aerodynamics*, 124, pp. 68-81, 2014, DOI:10.1016/j.jweia.2013.11.00
- Somei Kazuhiro, Asano Kimiyuki, Iwata Tomotaka, Miyakoshi Ken: Source Scaling of Inland Crustal Earthquake Sequences in Japan Using S-Wave Coda Spectral Ratio Method, *Pure and Applied Geophysics*, 171, 10, pp. 2747-2766, 2014, DOI:10.1007/s00024-014-0774-2
- Spiga A., Barth E., Gu Z., Hoffmann F., Ito J., Jemmett-Smith B., Kose M., Nishizawa S., Raasch S., Rafkin S., Takemi Tetsuya, Tyker D., Wei W.: Large-eddy simulations of dust devils and convective vortices, *Space Science Reviews*, 203, pp. 245-275, 2016, doi: 10.1007/s11214-016-0284-x
- Steinhauser Georg, Niisoe Tamon, Harada Kouji H., Shozugawa Katsumi, Schneider Stephanie, Synal Hans-Arno, Walther Clemens, Christl Marcus, Nanba Kenji, Ishikawa Hirohiko, Koizumi Akio: Post-Accident Sporadic Releases of Airborne Radionuclides from the Fukushima Daiichi Nuclear Power Plant Site, *Environmental Science & Technology*, 2015, doi: 10.1021/acs.est.5b03155
- Subhajyoti SAMADDAR, Hirokazu Tatano: Where do individuals Seek Opinions for Evacuation? A Case Study from Landslide-prone Slum Communities in Mumbai, *Journal of Natural Disaster Science*, 36, 1, pp. 13-24, 2015
- Subhajyoti Samaddar, Junho Choi, Bijay Anand Misra, Hirokazu Tatano: Insights on social learning and collaborative action plan development for disaster risk reduction: practicing Yonmenkaigi System Method (YSM) in flood-prone Mumbai, *Natural Hazards*, 75, 2, pp. 1531-1554, 2015, doi:10.1007/s11069-014-1380-4
- Subhajyoti Samaddar, Muneta Yokomatsu, Togbiga Dzivenu, Martin Oteng-Ababio, Mujeeb Rahaman Adams, Frederick Dayour, Hirohiko Ishikawa: Assessing Rural Communities Concerns for Improved Climate Change Adaptation Strategies in Northern Ghana, *Journal of Disaster Research*, 9, 4, pp. 529-541, 2014
- Subhajyoti Samaddar, Roshni Chatterjee, Bijay Anand Misra, Hirokazu Tatano: Outcome-expectancy and self-efficacy: Results or reasons of flood preparedness intention, *International Journal of Disaster Risk Reduction*, 8, pp. 91-99, 2014, DOI: 10.1016/j.ijdrr.2014.02.002
- Sun,Y, Yamori,K, Kondo,S: Single-person drill for tsunami evacuation and disaster education, *Journal of Integrated Disaster Risk Management*, 4 , 2014
- Sun,Y, Yamori,K, Tanisawa,R, Kondo,S: Consciousness of disaster risk and tsunami evacuation:A questionnaire survey in Okitsu,Kochi Prefecture, *Journal of Natural Disaster Science*, 2014
- Sun.Y, Nakai,F, Yamori,K, Hatayama,M:Tsunami evacuation behavior of coastal residents in Kochi Prefecture during the 2014 Iyonada Earthquake., *Natural Hazards(Online)*, 85, 1, pp. 283-299, 2017, doi:10.1007/s11069-016-2562-z
- Suzuki,K., N.Munehika, K.Nakagawa, K.Yamaguchi, E.Nakakita: Simultaneous measurements of a stratiform cloud by multipoint videosonde launchings, *Scientific Online Letters on the Atmosphere (SOLA)*, 12, pp. 12-16, 2016, doi:10.2151/sola.2016-003
- T.Kubota, R.Hino, D.Inazu, Y.Ito, T.Iinuma: Complicated rupture process of the Mw 7.0 intraslab strike-slip earthquake in the Tohoku region on 10 July 2011 revealed by near-field pressure records, *Geophys. Res. Lett.*, 42, pp. 9733-9739, 2015, doi:10.1002/2015GL066101
- Taishi Yamada, Hiroshi Aoyama, Takeshi Nishimura, Hiroshi Yakiwara, Haruhisa Nakamichi, Jun Oikawa, Masato Iguchi, Muhamad Hendrasto, Yasa Suparman: Initial phases of explosion earthquakes accompanying Vulcanian eruptions at Lokon-Empung volcano, Indonesia, *Journal of Volcanology and Geothermal Research*, 327, pp. 310-327, 2016

- Taishi Yamada, Hiroshi Aoyama, Takeshi Nishimura, Masato Iguchi, Muhamad Hendrasto: Volcanic eruption volume flux estimations from very-long period infrasound signals, *Geophysical Research Letters*, 44, pp. 143-151, 2017
- Takada,Y., K.Katsumata, H.Katao, M.Kosuga, Y.Iio, and T.Sagiya: Stress accumulation process in and around the Atotsugawa fault, central Japan, estimated from focal mechanism analysis, *Tectonophysics*, 2016
- Takahiro Sayama, Yuya Tatebe, Shigenobu Tanaka: An emergency response-type rainfall-runoff-inundation simulation for 2011 Thailand floods, *Journal of Flood Risk Management*, 10, pp. 65-78, 2015
- Takahiro Sayama, Yuya Tatebe, Yoichi Iwami, Shigenobu Tanaka: Hydrologic sensitivity of flood runoff and inundation: 2011 Thailand floods in the Chao Phraya River basin, *Nat. Hazards Earth Syst. Sci.*, 15, pp. 1617-1630, 2015
- Takano K.T., Nakagawa K., Aiba M., Oguro M., Morimoto J., Furukawa Y., Mishima Y., Ogawa K., Ito R., Takemi Tetsuya: Projection of impacts of climate change on windthrows and evaluation of potential silvicultural adaptation measures: A case study from empirical modelling of windthrows in Hokkaido, Japan, by Typhoon Songda (2004), *Hydrological Research Letters*, 10, pp. 138-144, 2016, doi: 10.3178/hrl.10.138
- Takayabu,I., K.Hibino, H.Sasaki, H.Shiogama, N.Mori, Y.Shibutani, T.Takemi: Climate change effects on the worst-case storm surge: a case study of Typhoon Haiyan, *Environmental Research Letters*, 10, 64011, 2015, doi:10.1088/1748-9326/10/6/064011
- Takebayashi Hiroshi, Nguyen Manh, Minh Toan, Fujita Masaharu: Bed Deformation Characteristics at Confluence of Rivers which have Different Sediment Characteristics, *Proceedings of 5th International Conference on Water and Flood Management*, pp. 143-154, 2015
- Takebayashi Hiroshi: Modelling braided channels under unsteady flow and the effect of spatiotemporal change of vegetation on bed and channel geometry, *GBR*, 8, 2016
- Takebayashi,H., Fujita,M., Kamito,R., Samoto,Y.: Spatial distribution of porosity of bed material, bed strength and size distribution of bed material on bars, *Proceedings of River Flow 2014*
- Takemi Tetsuya, Ito Rui, Arakawa Osamu: Effects of global warming on the impacts of Typhoon Mireille (1991) in the Kyushu and Tohoku regions, *Hydrological Research Letters*, 10, pp. 81-87, 2016, doi: 10.3178/hrl.10.81
- Takemi Tetsuya, Ito Rui, Arakawa Osamu: Robustness and uncertainty of projected changes in the impacts of Typhoon Vera (1959) under global warming, *Hydrological Research Letters*, 10, pp. 88-94, 2016, doi: 10.3178/hrl.10.88
- Takemi Tetsuya, Okada Y., Ito R., Ishikawa Hirohiko, Nakakita Eiichi: Assessing the impacts of global warming on meteorological hazards and risks in Japan: Philosophy and achievements of the SOUSEI program, *Hydrological Research Letters*, 10, pp. 119-125, 2016, doi: 10.3178/hrl.10.119
- Takemi Tetsuya: Characteristics of summertime afternoon rainfall and its environmental conditions in and around the Nobi Plain, *SOLA*, 10, pp. 158-162, 2014, DOI:10.2151/sola.2014-033
- Takemi Tetsuya: Convection and precipitation under various stability and shear conditions: Squall lines in tropical versus midlatitude environment, *Atmospheric Research*, 142, pp. 111-123, 2014, DOI:10.1016/j.atmosres.2013.07.010
- Takemi Tetsuya: Relationship between cumulus activity and environmental moisture during the CINDY2011/DYNAMO field experiment as revealed from convection-resolving simulations, *Journal of the Meteorological Society of Japan*, 93A, pp. 41-58, 2015, doi:10.2151/jmsj.2015-035
- Takenouchi,K., Kawata,Y., Nakanishi,C., Yamori,K: Collaboration on Local Weather Information between Weather Forecasters and Weather Information Users, *Journal of natural disaster science*, 2, 35, pp. 67-80, 2014
- Takeshi Nishimura, Masato Iguchi, Mohammad Hendrasto, Hiroshi Aoyama, Taishi Yamada, Maurizio Ripepe, Riccardo Genco: Magnitude-frequency distribution of volcanic explosion earthquakes, *Earth, Planets and Space*, 68, 2016
- Takuya Nishimura, Mariko Sato, Takeshi Sagiya: Global Positioning System (GPS) and GPS-Acoustic observations: Insight into slip along the subduction zones around Japan, *Annual Review of Earth and Planetary Science*, 42, pp. 653-674, 2014, DOI:10.1146/annurev-earth-06313-054614
- Takuya Nishimura: Short-term slow slip events along the Ryukyu trench, southwestern Japan, observed by continuous GNSS, *Progress in Earth and Planetary Science*, 1, 22, 2014, DOI:10.1186/s40645-014-0022-5
- Talchhabadel R., Nakagawa H., Kawaike K., Hashimoto Masakazu.,Sahboun N.: Experimental Investigation on Opening Size of Tidal Basin Management: A Case Study in Southwestern BangladeshExperimental Investigation on Opening Size of Tidal Basin Management: A Case Study in Southwestern Bangladesh, *Journal of Japan Society of Civil Engineers, Ser. B1(Hydraulic Engineering)*, 4, 73, pp. I_781-I_786, 2017
- Talchhabadel,R., Nakagawa,H., Kawaike,K.: Experimental Study on Suspended Sediment Transport to Represent Tidal Basin ManagementExperimental Study on Suspended Sediment Transport to Represent Tidal Basin Management, *Annual Journal of Hydraulic Engineering, JSCE*, 60, pp. I_847-I_852, 2016
- Tamura,Y., Nishijima,K., Matsui,M., Phuc,P.V., Yang,Q.: From Load Estimation to Performance Estimation - From Model-Scale Test to Full-Scale Test: With Special Interest in Asian Region, *Frontiers in Built Environment*, 2017
- Tanaka A, Namba T, Tanida K, Takemon Y: Evaluation of a pump method for unbiased sampling of stream hyporheos, *Hydrobiologia*, 201410.1007/s10750-014-1820-x

- Tanaka Hiroshi, Iguchi Masato, Nakada Setsuya: Numerical simulations of volcanic ash plume dispersal from Kelud volcano in Indonesia on February 13, 2014, *Jour. Disast. Res.*, 11, pp. 31-42, 2015
- Tanaka Miho, Asano Kimiyuki, Iwata Tomotaka, Kubo Hisahiko: Source rupture process of the 2011 Fukushima-ken Hamadori earthquake: how did the two subparallel faults rupture?, *Earth, Planets and Space*, 66, pp. 101-, 2014, DOI:10.1186/1880-5981-66-101
- Terajima Tomomi, Miyahira Ei-ichiro, Miyajima Hioyuki, Ochiai Hirotaka, Hattori Katsumi: How hydrological factors initiate instability in a model sandy slope, *Hydrol. Processes*, 28, 23, pp. 5711-5724, 2014
- Tetsuro Kajihara, Muneta Yokomatsu, Hideyuki Ito, Wisinee Wisetjindawat: Inter-ward, Risk-diversified Allocation Model for Storing of Disaster Relief Goods, *Journal of Natural Disaster Science*, 1, 37, pp. 11-33, 2016
- Tetsuya Hiraishi: Development of a New Tsunami Generator for Multiple SourcesDevelopment of a New Tsunami Generator for Multiple Sources, *Journal of Disaster Research*, 11, 4, pp. 634-638, 2016105-0001
- Tetsuya Tamaki, Hirokazu Tatano: Optimization of restoration process for road network after volcanic eruption, *Proceedings of the 2014, IEEE International Conference on Systems, Man and Cybernetics*, pp. 2751-2756, 2014
- Tobita,T, Iai,S.: Combined failure mechanisms of geotechnical structure, *Physical Modelling in Geotechnics*, pp. 99-111, 2014, ISBN 978-1-138-00152-7
- Todd Lemein, Daniel Cox, Dennis Alber, Nobuhito Mori: Accuracy of optical image analysis compared to conventional vegetation measurements for estimating morphological features of emergent vegetation, *Estuarine, Coastal and Shelf Science*, 155, 20-Mar, pp. 66-74, 2015
- Tomiczek,T., A.Prasetyo, N.Mori, T.Yasuda, A.Kennedy: Physical modeling of tsunami inundation, loading, and shielding in an urban building array, *Coastal Engineering*, 117, pp. 97-112, 2016
- Tomohisa Okazaki, Naoto Oshiman, Ryohei Yoshimura: Analytical Investigations of the Magnetotelluric Directionality Estimation in 1-D Anisotropic Layered Media, *Physics of the Earth and Planetary Interiors*, 260, pp. 25-31, 2016, doi: 10.1016/j.pepi.2016.09.002
- Tomoki Tsutsui, Masato Iguchi, Takeshi Tameguri, Haruhisa Nakamichi: Structural evolution beneath Sakurajima Volcano, Japan, revealed through rounds of controlled seismic experiments, *Journal of Volcanology and Geothermal Research*,315,pp.1-14,2016, doi:10.1016/j.jvolgeores.2016.02.008
- Tomoki Ushiyama, Takahiro Sayama, Yoichi Iwami: Ensemble flood forecasting of typhoons Talas and Roke at Hiyo-shi dam basin, *Journal of Disaster Research*, 6, 11, pp. 1032-1039, 2016
- Tomoko Ichimaru, Shunsuke Noguchi, Toshihiko Hirooka , Hitoshi Mukougawa: Predictability changes of stratospheric circulations in northern hemisphere winter, *J. Meteor. Soc. Japan*,94,1,pp.7-24,2016, doi:10.2151/jmsj.2016-001
- Tomomi Okada, Toru Matsuzawa, Norihito Umino, Keisuke Yoshida, Akira Hasegawa, Hiroaki Takahashi, Takuji Yamada, Masahiro Kosuga, Tetsuya Takeda, Aitaro Kato, Toshihiro Igarashi, Kazushige Obara, Shinichi Sakai, Atsushi Saiga, Takashi Iidaka, Takaya Iwasaki, Naoshi Hirata, Noriko Tsumura, Yoshiko Yamanaka, 他 10 名: Hypocenter migration and crustal seismic velocity distribution observed for the inland earthquake swarms induced by the 2011 Tohoku-Oki earthquake in NE Japan: Implications for crustal fluid distribution and crustal permeabilityHypocenter migration and crustal seismic velocity distribution observed for the inland earthquake swarms induced by the 2011 Tohoku-Oki earthquake in NE Japan: Implications for crustal fluid distribution and crustal permeability, *Crustal Permeability*, pp. 307-323, 2016
- Tomoya Shimura, Nobuhito Mori, Hajime Mase: Future Projection of Ocean Wave Climate: Analysis of SST Impacts on Wave Climate Changes in the Western North Pacific, *Journal of Climate*, 28, pp. 3171-3190, 2015
- Toshimi Satoh, Hayakawa Takashi, Oshima Mitsutaka, Kawase Hiroshi, Matsushima Shinichi, Nagashima Fumiaki, Tobita Koki: Site Effects on Large Ground Motions at KiK-net Iwase Station IBRH11 during the 2011 Tohoku Earthquake, *Bulletin of the Seismological Society of America*,104,2,pp.653-668,2014,DOI:10.1785/0120130095
- Touge Yoshiya, Tanaka Kenji, Khujanazarov Temur, Toderich Kristina, Kozan Osamu, Nakakita Eiichi: Developing a Water Circulation Model in the Aral Sea Basin based on in situ Measurements on Irrigated Farms, *Journal of Arid Land Studies*, 25, 3, pp. 133-136, 2015
- Tsou,C.-Y., Chigira,M., Matsushi,Y., Chen,S.-C.: Deep-seated gravitational deformation of mountain slopes caused by river incision in the Central Range, Taiwan: Spatial distribution and geological characteristics, *Engineering Geology*, 196, pp. 126-138, 2015
- Tsou,C.Y, Chigira,Masahiro., Matsushi,Yuki, Chen,S.C.: Fluvial incision history that controlled the distribution of landslides in the Central Range of Taiwan, *Geomorphology*, 226, pp. 175-192, 2014
- Tsuboi Aya, Takemi Tetsuya, Yoneyama Kunio: Seasonal environmental characteristics for the tropical cyclone genesis in the Indian Ocean during the CINDY2011/DYNAMO field experiment, *Atmosphere*, 7, pp. 66-, 2016, doi: 10.3390/atmos7050066
- Tsuboi Aya, Takemi Tetsuya: The interannual relationship between MJO activity and tropical cyclone genesis in the Indian Ocean, *Geoscience Letters*, 1, 2014, DOI: 10.1186/2196-4092-1-9
- Ueda,K, Iai,S, Tobita,T: Centrifuge model tests and large deformation analyses of a breakwater subject to combined effects of tsunami, Soil Dynamics and Earthquake Engineering, 91, pp. 294-303, 2016
- Unuma Takashi, Takemi Tetsuya: A role of environmental shear on the organization mode of quasi-stationary convec-

- tive clusters during the warm season in Japan, *Scientific Online Letters on the Atmosphere*, 12, pp. 111-115, 2016, doi:10.2151/sola.2016-025
- Unuma Takashi, Takemi Tetsuya: Characteristics and environmental conditions of quasi-stationary convective clusters during the warm season in Japan, *Quarterly Journal of the Royal Meteorological Society*, 142, pp. 1232-1249, 2016, doi: 10.1002/qj.2726
- Vanderbauwheide Wim, Takemi Tetsuya: An analysis of the feasibility and benefits of GPU/multicore acceleration of the Weather Research and Forecasting model, *Concurrency and Computation: Practice and Experience*, 28, pp. 2052-2072, 2016, doi: 10.1002/cpe.3522
- Wada,Hiroyuki, Wakigawa,Katsumi, Yokomatsu,Muneta, Takeya,Kimio: The Role of Macro-Economic Model for Disaster Risk Reduction Policy in Developing Countries, *Journal of Integrated Disaster Risk Management*, 4, 1, pp. 12-29, 2014
- Wallace,L., S.Webb, Y.Ito, K. Mochizuki, R. Hino, S. Henrys, S.Schwartz, A.Sheehan: Slow slip near the trench at the Hikurangi subduction zone, *Science*, 352, pp. 701-704, 2016
- Wang,D, J.Mori, K.Koketsu: Fast rupture propagation for large strike-slip earthquakes, *Earth and Planetary Science Letters*, 440, pp. 115-126, 2016
- Wang,D., H.Kawakatsu, J.Mori, B.Ali, Z.Ren, X.Shen: Back Projection Analyses from Four Regional Arrays for Rupture Over a Curved Dipping Fault: The Mw 7.7 September 24, 2013 Pakistan Earthquake, *J. Geophys. Res.*, 121, 2016
- Wang,D., J.Mori: Short-Period Energy of the April 25, 2015 Mw7.8 Nepal earthquake determined from back-projection using four arrays in Europe, China, Japan, and Australia , *Bull. Seismol. Soc. Am.*, 342, pp. 259-266, 2016
- Wang,D., N.Takeuchi, H.Kawakatsu, J.Mori: Estimating high frequency energy radiation of large earthquakes by image deconvolution back-projection, *Earth and Planetary Science Letters*, 449, pp. 155-173, 2016
- Wang,G., Huang, R.Q., Lourenco,S.D.N., Kamai,T.: A large landslide triggered by the 2008 Wenchuan (M8.0) earthquake in Donghekou area: phenomena and mechanisms, *Engineering Geology*, 182, pp. 148-157, 2014, DOI:10.1016/j.enggeo.2014.07.013
- Wang,G., Jiang,Y.: Fluidized Landsliding Phenomenon on Volcanic Ash Slope during Heavy Rainfall: A Case Study of Izu Oshima Landslides, Tp1-17 (6p) in Proceeding of the 10th Asian Regional Conference of IAEG, 2015
- Wang,G., Zhang,D., Furuya,G., Yang,J.: Pore-pressure generation and fluidization in a loess landslide triggered by the 1920 Haiyuan earthquake, China: A case study, *Engineering Geology*,174,pp.36-45,2014,DOI:10.1016/j.enggeo.2014.03.006
- Watanabe Satoshi, Hirabayashi Yukiko, Kotsuki Shunji, Hanasaki Naota, Tanaka Kenji, Mateo CM, Kiguchi Masashi, Ikoma Eiji, Kanae Shinjiro, Oki Taikan: Application of performance metrics for climate models to project future river discharge in Chao Phraya River Basin, *Hydrological Research Letters*, 8, 1, pp. 33-38, 2014, DOI:10.3178/hrl.8.33
- Wei Wei, Yuan Yong, Igarashi Akira, Tan Ping, Iemura Hirokazu, Zhu Hongping: A generalized rate-dependent constitutive law for elastomeric bearings, *Construction and Building Materials*, 106, pp. 693-699, 2016, doi:10.1016/j.conbuildmat.2015.12.179
- William H. Schulz, Gonghui Wang: Residual shear strength variability as a primary control on movement of landslides reactivated by earthquake ground motion, *Journal of Geophysical Research: Earth Surface*, 119, 7, pp. 1617-1635, 2014, DOI: 10.1002/2014JF003088
- Wu,S., Yamada,M, Tamaribuchi,K: Multi-events Earthquake Early Warning algorithm using a Bayesian approach, *Geophysical Journal International*, 200, 2, pp. 791-808, 2015
- Xin Liu, Jun Yang, Gonghui Wang, Longzhu Chen: Small-strain shear modulus of volcanic granular soil:An experimental investigation., *Soil Dynamics and Earthquake Engineering*,86,pp.15-24,2016,http://dx.doi.org/10.1016/j.soildyn.2016.04.005
- Xing,A.G., Wang,G., Li,B., Jiang,Y., Feng,Z., Kamai,T.: Long-runout mechanism and landsliding behavior of a large catastrophic landslide triggered by a heavy rainfall in Guanling, Guizhou, China., *Canadian Geotechnical Journal*, 52, 7, pp. 971-981, 201510.1139/cgj-2014-0122
- Xing,A.G., Wang,G., Yin,Y.P., Tang,C., Xu,Z.M.: Investigation and dynamic analysis of a catastrophic rock avalanche of September 23, 1991, Zhaotong, Yunnan, China, *Landslides*, 2015, doi 10.1007/s10346-015-0617-y
- Xing,A.G., Wang,G., Yin,Y.P., Wang,G.Z., Yang,S.Y., Dai,D.R., Zhu,Y.Q., Dai,J.A. : Dynamic analysis and field investigation of a fluidized landslide in Guanling, Guizhou, China., *Engineering Geology*, 181, pp. 1-14, 2014
- Xiohua Li, Masahiro Kurata, Masayoshi Nakashima: Simplified derivation of a damage curve for seismically induced beam fracture in steel moment-resisting frames, *Journal of Structural Engineering*, 201610.1061/(ASCE)ST.1943-541X.0001473
- Y.Abe, T.Ohkura, T.Shibutani, K.Hirahara, S.Yoshikawa, H.Inoue: Low-velocity zones in the crust beneath Aso caldera, Kyushu, Japan, derived from receiver function analysesLow-velocity zones in the crust beneath Aso caldera, Kyushu, Japan, derived from receiver function analyses, *J. Geophys. Res.*, 122, pp. 2013-2033, 2017, doi:10.1002/2016JB013686
- Y.Asano, K.Obara, T.Matsuzawa, H.Hirose, Y.Ito: Possible shallow slow slip events in Hyuga-nada, Nankai subduction zone, inferred from migration of very low frequency earthquakes, *Geophys. Res. Lett.*, 42, pp. 331-338, 2015, doi:i:10.1002/2014GL062165
- Y.Fukahata, Y.Yagi, L.Rivera: Theoretical relationship between back-projection imaging and classical linear inverse solutions, *Geophysical Journal International*, 196, pp. 552-559, 2014, DOI:10.1093/gji/ggt392

- Y.Ito, M.J.Ikari: Velocity- and slip-dependent weakening in simulated fault gouge: Implications for multi-mode fault slip, *Geophys. Res. Lett.*, 42, pp. 9247-9254, 2015, doi:10.1002/2015GL065829
- Y.Ito, R.Hino, S.Suzuki, Y.Kaneda: Episodic tremor and slip near the Japan Trench prior to the 2011 Tohoku-Oki earth-quake, *Geophys. Res. Lett.*, 42, 6, pp. 1725-1731, 2015, doi:10.1002/2014GL062986
- Y.Nakatani, K.Mochizuki, M.Shinohara, T.Yamada, Y.Ito, Y.Murai, T.Sato: Changes in seismicity before and after the 2011 Tohoku earthquake around its southern limit revealed by dense ocean-bottom seismic array data, *Geophys. Res.Lett.*,42,5,pp.1384-1389,2015.doi:10.1002/2015GL063140
- Yagi Y., Okuwaki R., Enescu B., Fukahata,Y.: Unusual low-angle normal fault earthquakes after the 2011 Tohoku-oki megathrust earthquake, *Earth Planets Space*, 67, 2015, doi: 10.1186/s40623-015-0271-6
- Yali Yang, Shang-Ping Xie, Yan Du, Hiroki Tokinaga: Inter-decadal difference of interannual variability characteristics of South China Sea SSTs associated with ENSO, *Journal of Climate*,28,18,pp.7145-7160,2015,doi:10.1175/JCLI-D-15-0057.1
- Yamada M., A. Mangeney, Y. Matsushi, L. Moretti: Estimation of dynamic friction of the Akatani landslide from seismic waveform inversion and numerical simulation., *GJI*, 2016
- Yamada M., J.Mori, Y. Matsushi: Possible stick-slip behavior before the Rausu landslide inferred from repeating seismic events, *GRL*, 2016
- Yamada M., T.Hayashida, J.Mori, W.Mooney: Building damage survey and microtremor measurements for the source region of the 2015 Gorkha, Nepal, earthquake., *EPS*, 2016
- Yamagiwa,S., Miyazaki,S., Hirahara,K., Fukahata,Y.: Afterslip and viscoelastic relaxation following the 2011 Tohoku-oki earthquake (Mw9.0) inferred from inland GPS and seafloor GPS/Acoustic data, *Geophysical Research Letters*, 42, pp. 66-73, 2015, doi:10.1002/2014gl061735
- Yamasaki Shintaro, Chigira Masahiro, David N Petley: The role of graphite layers in gravitational deformation of pelitic schist., *Engineering Geology*, 208, pp. 29-38, 2016
- Yamashita Yusuke, Yakiwara Hiroshi, Asano Youichi, Shimizu Hiroshi, Uchida Kaunari, Hirano Shuichiro, Umakoshi Kodo, Miyamachi Hiroki, Nakamoto Manami, Fukui Miyo, Kamizono Megumi, Kenahara Hisao, Yamada Tomoaki, Shinohara Masanao, Obara Kazushige: Migrating tremor off southern Kyushu as evidence for slow slip of a shallow subduction interface., *Science*, 348, 6235, pp. 676-679, 2015, doi:10.1126/science.aaa4242
- Yang Shu-Chih, Kalnay Eugenia, Enomoto Takeshi: Ensemble singular vectors and their use as additive inflation in EnKF, *Tellus A*, 67, 2015
- Yang, L., Tatano,H., Kajitani,Y., Jiang,X.: A case study on estimation of business interruption losses to industrial sectors due to flood disasters, *Journal of Disaster Research*, 10, 5, pp. 981-990, 2015
- Yang, L., Kajitani,Y., Tatano,H., Jiang,X.: A methodology for estimating business interruption loss caused by flood disasters: insights from business surveys after Tokai Heavy Rain in Japan, *Natural Hazards*, 84, 1, pp. 411-430, 2016
- Yao Jiang, Wenwu Chen, Gonghui Wang, Guanping Sun, Fanyu Zhang: Influence of initial dry density and water content on the soil-water characteristic curve and suction stress of a reconstituted loess soil, *Bulletin of Engineering Geology and the Environment*, 2016
- Yasuda,T, S.Nakajo, S.Kim, H.Mase, N.Mori, K.Horsburgh: Evaluation of future storm surge risk in East Asia based on state-of-the-art climate change projection, *Coastal Engineering*,Vol.83,pp.65-71,2014,DOI:10.1016/j.coastaleng.2013.10 .003
- Yasuda,T., Katahira,N., Mori,N., Mase,H: Projection of future changes in storm surge risk in Japan using regional climate model output, *ASCE-ICVRAM-ISUMA*, Liverpool, pp. 2724-2733, 2014
- Yasuhiro AKAKURA, Kenji ONO, Tomihiro WATANABE, Hiroshi KAWAMURA: Estimation of Alternative Ports for Container Transport after Large-scale Disasters, *IDRiM Journal*, 5, 2, 2015, doi10.5595/idrim.2015.0103
- Yi-Ming Wei, Ke Wang, Zhao-Hua Wang, Hirokazu Tatano: Vulnerability of infrastructure to natural hazards and climate change in China, *Natural Hazards*, 75, 2, pp. 107-110, 2014, DOI:10.1007/s11069-014-1432-9
- Yoden Shigeo, Ishioka Keiichi, Durran Dale, Enomoto Takeshi, Hayashi Yoshi-Yuki, Miyoshi Takemasa, Yamada Michio: Theoretical aspects of variability and predictability in weather and climate systems, *Bull. Amer. Meteor. Soc.*, 95, 8, pp. 1101-1104, 2014
- Yohei Nishitsuji, Issei DOI, Deyan Draganov: The potential of imaging subsurface heterogeneities by natural local earthquakes, *Geophysics*, 2014
- Yokoo Akihiko, Suzuki Yujiro, Iguchi Masato: Dual infrasound sources from a vulcanian eruption of Sakurajima volcano inferred from cross-array observation, *Seismological Research Letters*, 85, pp. 1212-1222, 2014, DOI: 10.1785/0220140047
- Yong Yuan, Wei Wei, Ping Tan, Akira Igarashi, Hongping Zhu, Hirokazu Iemura, Tetsuhiko Aoki: A rate-dependent constitutive model of high damping rubber bearings: modeling and experimental verification, *Earthquake Engineering and Structural Dynamics*, 45, 11, pp. 1875-1892, 2016, doi:10.1002/eqe.2744
- Yoshida Ryuji, Kajikawa Yoshiyuki, Ishikawa Hirohiko: Impact of Boreal Summer Intraseasonal Oscillation on Environment of Tropical Cyclone Genesis over the Western North Pacific, *SOLA*, 14, pp. 15-18, 2014, DOI:10.2151/sola.2014-003
- Yoshio Kajitani, Hirokazu Tatano: ESTIMATION OF PRODUCTION CAPACITY LOSS RATE AFTER THE GREAT EAST JAPAN EARTHQUAKE AND TSUNAMI IN 2011, *Economic Systems Research*, 26, 1, pp. 13-38, 2014, DOI:10.1080/09535314.2013.872081

- Yu,W., E.Nakakita, S.Kim, K.Yamaguchi: Impact assessment of uncertainty propagation of ensemble NWP rainfall to flood forecasting with catchment scale, Advances in Meteorology,2016,pp.17, 2016, doi:10.1155/2016/1384302
- Yu,W., E.Nakakita, S.Kim, K.Yamaguchi: Improvement of rainfall and flood forecasts by blending ensemble NWP rainfall with radar prediction considering orographic rainfall, Journal of Hydrology, 531, pp. 494-507, 2015, doi:10.1016/j.jhydrol.2015.04.055
- Yu,W., E.Nakakita, S.Kim, K.Yamaguchi: Improving the accuracy of flood forecasting with transpositions of ensemble NWP rainfall fields considering orographic effects, Journal of Hydrology, 539, pp. 345-357, 2016
- Yu,Wansik, Eiichi Nakakita, Sunmin Kim, Kosei Yamaguchi: Accuracy improvement of flood forecasting using pre-processing of ensemble numerical weather prediction rainfall fields, Journal of Japan Society of Civil Engineers, B1(Hydraulic Engineering), JSCE, 58, 2014
- Yuan Yong, Wei Wei, Tan Ping, Igarashi Akira, Zhu Hongping, Iemura Hirokazu: A rate-dependent constitutive model of high damping rubber bearing based on the improved hyperelastic Zener model (in Chinese), China Civil Engineering Journal, 49, 3, pp. 72-79, 2016PACS:TU352.1
- Yuji Itoh, Takuya Nishimura: Characteristics of postseismic deformation following the 2003 Tokachi-oki earthquake and estimation of the viscoelastic structure in Hokkaido, northern Japan, Earth Planets Space, 68, pp. 156-, 2016, doi: 10.1186/s40623-016-0533-y
- Yujiro Suzuki, Masato Iguchi: Determination of the mass eruption rate for the 2014 Mount Kelud eruption using three-dimensional numerical simulations of volcanic plumes, Journal of Volcanology and Geothermal Research, 2017
- Yumi Urata, Futoshi Yamashita, Eiichi Fukuyama, Hiroyuki Noda, Kazuo Mizoguchi: Apparent dependence of rate- and state-dependent friction parameters on loading velocity and cumulative displacement inferred from large-scale biaxial friction experiments, Pure and Applied Geophysics, 174, 6, pp. 2217-2237, 2016
- Yungtao Bai, Masahiro Kurata, Masayoshi Nakashima, Julio Florez: Macromodeling of Crack Damage in Steel Beams Subjected to Nonstationary Low Cycle Fatigue, Journal of Structural Engineering, 201610.1061/(ASCE)ST.1943-541X.0001536
- Zhang,H., Nakagawa,H.: Local scour and sediment sorting around a series of groynesLocal scour and sediment sorting around a series of groynes, Journal of Japan Society for Natural Disaster Science, 35, pp. 117-129, 2016
- Zhang,S., Nishijima,K., Maruyama,T.: Climate model-based probabilistic assessment of wind risk for residential buildings under projected future climate, Civil Engineering and Environmental Systems, 31, 2, pp. 98-110, 2014, DOI:10.1080/10286608.2014.912642
- Zhuang,J.Q., Cui,P., Wang,G., Chen,X.Q., Iqbal,J., Guo,X.J.: Rainfall thresholds for the occurrence of debris flow in the Jiangjia Gully, Yunnan Province, China, Engineering Geology,195,pp.335-346,2015,doi:10.1016/j.enggeo.2015.06.006
- フダ ハイルル・山本直彦・田中麻里・牧紀男: 2004 年 インド洋大津波後にインドネシア・バンダアチエ市とその近郊に建設された再定住地の居住者履歴と生活再建: パンテリー地区慈済再定住地とヌーフン地区中国再定住地の比較から, 日本建築学会計画系論文集, 79, 697, pp. 597-606, 2014
- リフシン・宮本匠・近藤誠司・矢守克也: 「羅生門問題」からみた被災地の復興過程—茨城県大洗町を例に, 質的心理学研究, 14, pp. 38-54, 2015
- 安田誠宏・丸山拓真・Katsuichiro Goda・森信人・間瀬肇: 確率津波モデルを用いた南海トラフ巨大地震津波の不確実性評価, 土木学会論文集 B2 (海岸工学) , Vol.71, No.2, pp. pp.I_295-300, 2015
- 安田誠宏・山本耀介・森信人・間瀬肇:MRI-AGCM3.2H アンサンブル実験を用いた高潮の将来変化予測に関する研究, 土木学会論文集 B2 (海岸工学) , Vol.72, No.2, pp. pp.I_1477-I_1482, 2016
- 安田誠宏・宮上大輝・Adi Prasetyo・加茂正人・森信人・平石哲也・間瀬肇・島田広昭: 沿岸市街地模型を用いた津波浸水実験, 土木学会論文集 B2 (海岸工学) , Vol.72, No.2, pp. pp.I_385-I_390, 2016
- 安田誠宏・辻田大揮・玉田崇・間瀬肇・森信人: 階層分析法を用いた海岸保全優先度評価モデルの開発, 土木学会論文集 B2 (海岸工学) , Vol.70, No.2, pp. I_1391-I_1395, 2014
- 安田誠宏・藤井厚史・間瀬肇・森信人・篠原雅尚・酒井慎一: 震源過程と津波観測波形を用いたハイブリッド型リアルタイム津波予測法, 土木学会論文集 B2 (海岸工学) , Vol.70, No.2, pp. I_396-I_400, 2014
- 安田誠宏・片平成明・森信人・間瀬肇・澁谷容子: 気候モデル台風のバイアス補正手法の開発と高潮の将来変化のアンサンブル予測, 土木学会論文集 B2 (海岸工学) , Vol.71, No.2, pp. I_1507-I_1512, 2015
- 安部智久・赤倉康寛: AIS データを活用した三大湾域での荒天時避泊実態の分析, 土木学会論文集 B3 (海洋開発) , 70, 2, pp. I_954-I_959, 2015
- 安本善征・黒岩正光・松原雄平・津留秀臣・間瀬肇・市村康: 人工リーフ開口部における流況に関する実験と準3次元海浜流モデル適用性の検討, 土木学会論文集 B2 (海岸工学) , Vol.70, No.2, pp.. I_76-I_80, 2014
- 安野浩一朗・片山裕之・間瀬肇・森信人: 地震津波に対する減災評価法の提案, 土木学会論文集 B2 (海岸工学) , Vol.70, No.2, pp. I_336-I_340, 2014
- 伊勢正・磯野猛・臼田裕一郎: 藤原広行,矢守克也, 自治体の多様性を踏まえた災害情報システムのあり方にに関する考察, 地域安全学会論文集, 30, 2017
- 伊藤英恵・竹林洋史・梶原哲郎・藤田正治・富田邦裕: 山地蛇行河川における崩土の河川突入による段波の伝播特性, 土木学会論文集 B1 (水工学) , 58, 2014
- 伊藤恵理・川瀬博・松島信一・畠山満則: 予測強震動を用いた建物倒壊想定に伴う道路閉塞を考慮した津波避難シミュレーション Tsunami Evacuation Simulation considering road blockade based on building collapse rati-

- os evaluated from predicted strong ground motion, 日本地震工学会論文集, 15, 5, pp. 17-30, 2015
- 伊藤麻衣・谷口雄大・林和宏・倉田真宏・中島正愛: 木パネル補剛鋼板耐震壁におけるパネル補剛力特性, 構造工学論文集, 60B, pp. 399-405, 2014
- 伊藤麻衣・林和宏・谷口雄大・倉田真宏・中島正愛: 既存骨組の耐力と剛性を考慮した間柱型耐震壁の設計手順, 日本建築学会構造系論文集, 711, pp. 811-819, 2015
- 井合進・上田恭平: Energy-less strain in granular materials - Micromechanical background and modeling, Soils and Foundations, 3, 56, pp. 391-398, 2016
- 井上和真・渡辺和明・五十嵐晃・畠明仁: 強震動の観測記録の水平2方向特性の分析と水平2方向応答スペクトルに適合する入力地震動の作成法の提案 Horizontal plane characteristics of observed strong ground motions and generation of bi-axial response spectrum compatible bi-directional seismic accelerograms (in Japanese), 土木学会論文集 A1(構造・地震工学), 72, 4, pp. I_555-I_568, 2016, doi:10.2208/jscejsee.72.I_555
- 井上直哉・杉本悠・堀智晴・野原大督: 豪雨の時間・空間スケールが洪水リスク評価に及ぼす影響 Flood risk assessment and application considering rainfall temporal-spatial distribution, 土木学会論文集 B1(水工学), 71, 4, pp. I_1309-I_1314, 2015
- 宇野裕恵・佐藤知明・五十嵐晃・松田泰治・足立幸郎・北聖大: 反重力すべり支承を用いた振動系の周期特性的評価 Evaluation of response predominant period of vibration systems using uplifting slide shoes, 土木学会論文集 A1 (構造・地震工学), 70, 4, pp. I_419-I_432, 201410.2208/jscejsee.70.I_419
- 永島弘士・笛木将太・William J. PRINGLE・米山 望: 数値解析を用いた津波浸水被害優先対策箇所の選定方法に関する考察, 土木学会論文集 B3 (海洋開発), 71, 2, pp. I_509-I_514, 2015, http://doi.org/10.2208/jscejoe.71.I_509
- 永島弘士・米山望・William James PRINGLE: 河川遡上津波発生時の塩水挙動解析における 平面二次元・三次元ハイブリッドモデルの適用, 土木学会論文集 B1 (水工学), 72, 4, pp. I_385-I_390, 2015
- 塩尻大也・田中賢治・田中茂信・浜口俊雄: 地下水取水を考慮した全球陸域水循環モデルによる水逼迫度評価, 土木学会論文集 G, 72, pp. 265-270, 2016
- 王功輝・古谷元・土井一生・渡部直喜・若井明彦・丸井英明: 表面波および微動アレイ探査を併用した東竹沢天然ダム堤体の内部構造調査 Investigation on the internal structure of Higashi-Takezawa landslide dam using surface wave method and microtremor array measurements, 日本地すべり学会誌, 52, 5, pp. 233-238, 2015
- 岡本隆・松浦純生・阿部和時: 積雪期における地すべり土塊の鉛直変位計測, 日本地すべり学会誌, 52, 1, pp. 21-28, 2014
- 岡本一真・吉弘昌史・堀智晴・野原大督: Nazrul I. Kahn: 水資源の変動を考慮した作物生産最適管理モデル Optimal crop production management model under the variation of water availability, 土木学会論文集 B1(水工学), 71, 4, pp. 1351-1356, 2015
- 加登美喜子・Wang Tao・中島正愛: 鉄骨筋かい構造の構造特性係数の再考と代替構造特性係数の提案, 構造工学論文集, 60B, pp. 265-272, 2014
- 加島寛章・平山克也・森信人・間瀬肇: 最高波高の出現頻度を考慮した防波堤の波圧特性, 土木学会論文集 B2 (海岸工学), Vol.70, No.2, pp. I_1021--I_1025, 2014
- 加納靖之・木下千裕・伊藤久男: 地殻応力およびひずみモニタリングにおける間隙水圧計測の意義, 材料, 63, 3, pp. 265-270, 2014
- 加納靖之: 弘化四年 (1847年) 越後高田の地震における年月日の取り違え, 地震, 69, pp. 41-47, 2016
- 河田暢亮・藤田正治・竹林洋史・吉野秀樹・平林桂: 貯水池堆砂量予測のための土砂動態モデルの開発とその適用, 土木学会論文集 B1(水工学), 72, 4, pp. 703-708, 2016
- 寒川典昭・草刈智一・中屋眞司・浜口俊雄・高木耕平・山崎基弘: 気候変動に伴う年降水量の非定常頻度分析～広域関東圏への適用～Non-Stationary Frequency Analysis of Annual Precipitation Due to the Climate Change Applied to the Area of Expanded Kanto Region, 自然災害科学, 33, 4, pp. 391-401, 2014
- 間瀬肇・Jun Zang・安田誠宏・Feng Gao・Lifen Chen: 浅瀬を伝播する津波のソリトン分裂に関するOpenFOAMによる再現性の検討, 土木学会論文集 B2 (海岸工学), Vol.71, No.1, pp. pp.52-pp.57, 2015
- 間瀬肇・Tracey H. Tom・池本藍・志村智也・安田誠宏・森信人: 日本沿岸海域の風況・波浪マッピング, 土木学会論文集 B3 (海洋開発), Vol.70, No.2, pp..I_115-I_120, 2014
- 間瀬肇・相松孝暢・梁婧雅・玉田崇・安田誠宏・森信人: 気候変動による海岸堤防の嵩上げ高算定法に関する研究, 土木学会論文集 B2 (海岸工学), Vol.71, No.2, pp. I_1183-I_1188, 2015
- 丸山敬・河井宏允・奥田泰雄・中村修: 数値計算による竜巻中の飛散物の速度推定, 第 23 回風工学シンポジウム論文集, pp. 487-492, 2014
- 丸山敬・河井宏允・西村宏昭・花谷真由子: 種々の加撃体を用いた合わせガラスの耐衝撃試験と標準加撃体の提案, 日本風工学会論文集, 39, 1, pp. 1-12, 2014
- 丸山敬: [65]A mathematical model to predict protein wash out kinetics during whole-lung lavage in autoimmune pulmonary alveolar proteinosis, Am J Physiol Lung Cell Mol Physiol 308, pp. 105-117, 2014
- 岸田夏葵・西嶋一欽・西村宏昭: 形状に着目したバヌアツ共和国タンナ島における伝統的サイクロンシェルターの空気力学特性, 第 24 回風工学シンポジウム論文集, pp. 211-216, 2016
- 岸本治・平石哲也: 矩形潜堤による津波減災効果の実験 Tsunami Mitigation due to Rectangular Submerged Breakwater, 自然災害科学, 33, 4, pp. 403-415, 2015ISSN0286-6021
- 岩部紫織・森信人・中條壯大・安田誠宏・間瀬肇: 確率台風モデル, 高潮モデルおよびニューラルネットワー

- クを用いた高潮偏差の長期評価, 土木学会論文集 B2 (海岸工学), Vol.72, No.2, pp. pp.I_1465-I_1470, 2016
- 岩堀卓弥・城下英行・宮本匠・矢守克也: 正統的周辺参加理論に基づく防災学習の実践, 自然災害科学, 34, 2, pp. 113-128, 2015
- 岩堀卓弥・矢守克也・城下英行・飯尾能久・米田格: 防災教育における「伝達型」・「参加型」モデルの関係性 -満点計画学習プログラムをめぐって-, 災害情報, 14, pp. 140-153, 2016
- 吉澤源太郎・畠山満則・多々納裕一: 被災者と被災企業の断水受忍限度 を考慮した災害時の潜在水需要の推計 Estimation of Potential Water Demand in a Disaster Satisfied with the Water Suspension Tolerable Limits of Households and Firms, 自然災害科学, 1, 34, pp. 41-61, 2015
- 吉澤睦博・長江拓也・梶原浩一・中島正愛: 地震を受けた低層 RC 建物の非構造部材・建築設備の損傷と建物機能回復に至る過程の分析, 構造工学論文集, 60B, pp. 399-405, 2014
- 久加朋子・竹林洋史・藤田正治: 角度の異なる水制まりの流れと河床変動特性, 土木学会論文集 B1(水工学), 72, 4, pp. 805-810, 2016
- 久加朋子・竹林洋史・藤田正治: 固定床と移動床が混在する場における動的平衡河床の不可逆性橋梁周辺に発生する迂回流の流れと河岸浸食特性, 土木学会論文集 B1 (水工学), 59, 2015
- 久保田踊児・米山望・角哲也: ダム貯水池における土砂バイパス施設の分派特性の検討, 土木学会論文集 B1 (水工学), 71, 4, pp. I_781-I_786, 2014 http://DOI.org/10.2208/jscejhe.71.I_781
- 久保田踊児・米山望・角哲也: 小渋ダムにおける河道内堆砂位が土砂バイパスの分派特性に与える影響, 土木学会論文集 B1 (水工学), 72, 4, pp. I_679-I_684, 2015
- 宮下卓也・森信人・Daniel Cox・安田誠宏・間瀬肇: 準3次元海洋モデルを用いた市街地スケールの陸域遡上津波の再現計算, 土木学会論文集 B2 (海岸工学), Vol.71, No.2, pp. pp.I_169-pp.I_174, 2015
- 宮田秀介・堤大三・村重慧輝・宮本邦明・藤田正治: 泥流発生過程を考慮した融雪型火山泥流の予測 Simulation of lahar triggered by snowmelt throughout processes from generation to runoff, 土木学会論文集 B1 (水工学), 70, 4, pp. I_949-I_954, 2014
- 宮田秀介・藤田正治: TDR (時間領域反射測定法) を利用した堆積土砂面位および空隙率測定 Application of TDR (Time Domain Reflectometry) to measurements of surface height and porosity of sediment below water surface, 砂防学会誌, 68, 1, pp. 32-38, 2015
- 宮本崇・飯山かほり・後藤浩之・盛川仁: 平成 28 年 (2016 年) 熊本地震の概要と益城町周辺における余震・常時微動観測 (速報), 自然災害科学, 35, 2, pp. 77-86, 2016
- 宮脇航平・立川康人・田中智大・石井大貴・市川温・萬和明・竹見哲也: 最大クラス台風を想定した淀川流域における洪水流出シミュレーション, 土木学会論文集 B1(水工学), 72, 4, pp. I_31-I_36, 2016
- 牛山素行・本間基寛・横幕早季・杉村晃一: 三陸地方における東北地方太平洋沖地震による津波犠牲者率と素因の関係 Relationship between Primary Causes and Rate of Victim caused by the 2011 off the Pacific Coast of Tohoku Earthquake in Sanriku District, 自然災害科学, 33, 3, pp. 233-247, 2014
- 牛山朋來・佐山敬洋・岩見洋一: 平成 23 年 7 月新潟・福島豪雨に伴う阿賀野川洪水のアンサンブル洪水予測実験, 土木学会論文集 B1(水工学), 72, 4, pp. I_157-I_162, 2016
- 橋本雅和・川池健司・中川一・張浩: ドライベッドを伴う洪水氾濫シミュレーションにおけるネスティング計算法の適用 Application of a Nested Approach to a Flooding Simulation with Dry Bed, 水工学論文集, 土木学会, 59, pp. I_1459-I_1464, 2015
- 橋本雅和・川池健司・中川一: 洪水氾濫解析における非構造格子を用いたネスティング計算法の適用 Application of a Nested Approach to a Flooding Simulation Using Unstructured Grids, 土木学会水工学論文集, 60, pp. I_319-I_324, 2016
- 橋本学: 「だいち」合成開口レーダーで観測された京都盆地と大阪平野の地盤変動, 自然災害科学, 33, 2, pp. 115-125, 2014
- 玉置哲也・多々納裕一: 交通均衡問題を制約条件とした経済均衡モデルによる交通途絶被害分析の検討, 土木学会論文集 D3 (土木計画学), 5, 72, pp. I_191-I_200, 2016
- 玉置哲也・多々納裕一: 降下火山灰による道路機能障害評価とその復旧順序決定手法の提案, 自然災害科学, 33, pp. 165-175, 2014
- 玉田崇・間瀬肇・安田誠宏: CLASH データセットに基づく打上げ・越波統合算定モデルの直立護岸への拡張, 土木学会論文集 B2 (海岸工学), Vol.71, No.2, pp. I_847-I_852, 2015
- 玉田崇・間瀬肇・相松孝暢・安田誠宏・森信人: 気候変動が海岸堤防・護岸の被災確率に及ぼす影響解析, 土木学会論文集 B2 (海岸工学), Vol.70, No.2, pp. I_1281--I_1285, 2014
- 金沢列・松見吉晴・出田裕二郎・間瀬肇・森信人・安田誠宏: ニューラルネットワークによる高潮予測モデル, 土木学会論文集 B2 (海岸工学), Vol.71, No.2, pp. pp.I_223-I_228, 2015
- 金沢列・森信人・澁谷容子・安田誠宏・間瀬肇: 高潮・波浪結合モデルを用いた 2013 年台風 30 号 (Haiyan) の高潮・波浪推算, 土木学会論文集 B2 (海岸工学), Vol.70, No.2, pp. I_226-I_230, 2014
- 原田紹臣・赤澤史顕・速水智・柳崎剛・里深好文・藤本将光・堤大三・宮田秀介: 足洗谷流域ヒル谷における天然ダム決壊に関する現地実験, 砂防学会誌, 67, 6, pp. 41-48, 2015
- 古橋隆行・多々納裕一・梶谷義雄・玉置哲也・奥村誠: 東日本大震災による産業部門への経済被害の推計方法に関する研究, 土木学会論文集 D3 (土木計画学), 70, 5, pp. I_197-I_210, 2014

- 古谷元・畠俊郎・渡部直喜・後藤聰・土井一生・川崎一朗: 2014 年 11 月 22 日の長野県北部を震源とする地震で発生した斜面災害の概要, 日本地すべり学会誌, 52, 1, pp. 40-44, 2015
- 戸田淳治・田中茂信・田中賢治・浜口俊雄: 十津川流域で発生した土砂災害の検証及び避難意思決定支援の在り方, 土木学会水工学論文集, 59, 2015
- 五十嵐晃・儀久昂: 楕円偏極指標を規定したスペクトル適合水平 2 方向地震動の作成 Synthesis of spectrum-matched bi-directional ground motion with designated elliptical component of polarization (in Japanese), 構造工学論文集, 62A, pp. 273-279, 2016
- 五十嵐孝浩・竹林洋史・浜田裕貴・的場萌実・飛岡啓之・澤田悦史・平川了治: 生命の危険からの自発的回避のための土砂災害危険情報サー ビスの構築, 土木学会論文集 B1(水工学), 72, 4, pp. 1285-1290, 2016
- 後藤浩之: 2 層系地盤伝達関数による級数展開の離散表現, 土木学会論文集 A2, 70, 2, pp. I_531-I_541, 2014
- 後藤浩之・羽田浩二・澤田純男・吉田望・大内徹: 常時微動観測と臨時余震観測による福島県浪江町市街地の地盤震動特性評価, 日本地震工学会論文集, 16, 1, pp. 309-321, 2016
- 後藤浩之・澤田純男・吉田望・羽田浩二: 2011 年東北地方太平洋沖地震の地震動による福島県浪江町建築被害の悉皆調査, 土木学会論文集 A1 (地震工学論文集第 33 卷) , 70, 4, pp. I_1061-I_1070, 2014
- 江頭進治・宮本邦明・竹林洋史: 崩壊に伴う土石流・泥流の形成と規模の決定機構, 砂防学会誌, 68, 5, pp. 38-42, 2016
- 溝端祐哉・安田誠宏・奥村与志弘・森信人・間瀬肇・島田広昭: 減増津波氾濫解析を用いた地域の耐津波ボテンシャル評価, 土木学会論文集 B2 (海岸工学) , Vol.70, No.2, pp. I_1326-I_1330, 2014
- 高田望・田中祐介・池淵周一・中北英一: 降雨スケールの分離に基づいた短時間降雨予測手法の予測誤差推定手法に関する研究, 河川技術論文集, 20, pp. 331-336, 2014
- 高田望・田中裕介・池淵周一・中北英一: 実時間の予測誤差分散と予測バイアスを利用した降雨予測モデル出力値合成手法の開発, 土木学会論文集, B1(水工学), 58, 2014
- 黒岩正光・阿南亮平・澁谷容子・間瀬肇・松原雄平: 波と流れの相互干渉を考慮した 3 次元河口砂州形成シミュレーション, 土木学会論文集 B2 (海岸工学) , Vol.72, No.2, pp. pp.I_697-I_702, 2016
- 今井優樹・森信人・二宮順一・安田誠宏・間瀬肇: 不規則波浪の Stokes Drift を考慮した海洋・波浪結合モデルを用いた沿岸流の解析, 土木学会論文集 B2 (海岸工学) , Vol.72, No.2, pp. pp.I_511-I_516, 2016
- 佐山敬洋・寶馨: 平成 27 年 9 月関東・東北豪雨に伴う鬼怒川氾濫の浸水深分布推定, 土木学会論文集 B1(水工学), 72, 4, pp. I_1171-I_1176, 2016
- 佐藤慶一・牧紀男・堀田綾子・岸田暁郎・田中傑: 被災前の人団トレンドが被災地の地域人口構造へ与える影響, 地域安全学会論文集, 24, pp. 293-302, 2014
- 斎藤武久・小久保元貴・間瀬肇: ニューラルネットワークを用いた日本海沿岸域でのうねり性高波浪の予測に関する研究, 土木学会論文集 B2 (海岸工学) , Vol.72, No.2, pp. pp.I_175-I_180, 2016
- 坂井公俊・上田恭平・石川太郎: 地表面地震動評価のための動的変形特性試験を実施する土層の定量的評価法, 土木学会論文集 A1 (構造・地震工学) , 4, 72, pp. 90-97, 2016
- 笹原克夫・森直樹・讚岐利夫・山崎尚明・丸晴弘・日本地すべり学会関西支部調査団(土井が参加): 平成 26 年 8 月の豪雨により高知県で発生した地すべり災害の状況, 日本地すべり学会誌, 2015
- 三宅弘恵・浅野公之・纏織一起・岩田知孝: 2011 年東北地方太平洋沖地震の強震記録を用いた震源モデルの概要, 日本地震工学会論文集, 16, 4, pp. 12-21, 2016
- 山口弘誠・高見和弥・井上実・中北英一: 豪雨の「種」を捉えるための都市効果を考慮する LES 気象モデルの開発, 土木学会論文集 B1 (水工学) , 72, pp. I_205-I_210, 2016
- 山口弘誠・古田康平・中北英一: XRAIN を用いたアンサンブル同化による線状降水帯の維持と発生の予測, 土木学会論文集 B1 (水工学) , 73, pp. 211-216, 2017
- 山口真矢子・倉田真宏・宮澤理稔・野澤貴: 鋼構造骨組の損傷度と伝播波の到達遅延: 微動記録への地震波干涉法の適用, 構造工学論文集, 60B, pp. 281-288, 2014
- 山田真澄・溜沢功史・Wu Stephen: 高精度・高速の緊急地震速報を目指して 一気象庁観測網と Hi-net の統合処理, 日本地震工学会論文集, 14, 4, pp. 21-34, 2014
- 山野井一輝・藤田正治: 豪雨時の水・土砂災害に関するハザード群の発生リスク評価, 土木学会論文集 B1(水工学), 72, 4, pp. I_1291-I_1296, 2016
- 山野井一輝・藤田正治: 大規模な土砂生産および洪水後の土砂管理に関する研究, 土木学会論文集 B1(水工学), 59, pp. I_961-I_966, 2015
- 山野井一輝・藤田正治: 土砂生産・土砂供給・土砂輸送堆積統合型モデルの開発と山地流域への適用, 土木学会論文集 B1(水工学) , 58, 2014
- 山崎智寛・服部克巳・金田平太郎・酒井英男・泉吉紀・寺嶋智巳: 自然電位法を用いた降雨による斜面崩壊過程の監視の試み: 電磁気学的手法を用いた実斜面におけるすべり面の推定と実斜面観測システムの構築, 電気学会論文誌, A136, 5, pp. 297-303, 2016
- 志村智也・森信人・安田誠宏・間瀬肇: MRI-AGCM3.2H アンサンブル実験にもとづく気候変動による極大波浪の将来変化予測, 土木学会論文集 B2 (海岸工学) , Vol.70, No.2, pp. I_1266-I_1270, 2014
- 志村智也・森信人・竹見哲也・水田亮: 全球大気気候一波浪結合モデルによる海面粗度を通した波浪の気候への影響評価, 土木学会論文集 B2(海岸工学), 72, 2, pp. I_1507-I_1512, 2016, doi: 10.2208/kaigan.72.I_1507
- 時長宏樹: 大気海洋相互作用を伴う熱帶海洋の長期変化に関する研究, 海の研究, 23, 4, pp. 111-125, 2014
- 柴崎達也・松浦純生・岡本隆: スメクタイトに富む地すべり粘土の土質特性, 京都大学防災研究所年次発表会, pp. D10-, 2014

- 酒井久和・澤田純男・高橋良和・五十嵐晃・真鍋和将・藤田遼: 集合弾性耐震 RC 柱の正負交番載荷実験に対する数値シミュレーション Numerical simulation of cyclic loading tests of combined columns with friction damping mechanism, 土木学会論文集 A1 (構造・地震工学), 70, 4, pp. I_101-I_108, 201410.2208/jscejsee.70.I_101
- 秋山良平・澤田純男・後藤浩之: 固体と流体の中間的媒質の揺動現象を解析するための支配方程式とその検証, 土木学会論文集 A1 (構造・地震工学), 71, 4, pp. I_493-I_501, 2015
- 小阪宏之・松島信一・川瀬博・菊地利喜郎: 超音波によるコンクリートの履歴最大ひずみレベルの推定手法に関する研究 A Study on a Method to Estimate Maximum Hysteretic Strain Level of Concrete Using Supersonic Waves, 日本建築学会技術報告集, 21, 47, pp. 77-82, 2015
- 小阪宏之・川瀬博・松島信一・長嶋史明: 微動と地震動観測記録及び MASW 手法に基づいた港湾地域強震観測網仙台観測点における S 波速度構造推定 Estimation of S-wave Velocity Structures Using MASW, Microtremors, and Earthquake Motions at Port and Airport Research Institute Sendai Station, 日本地震工学会論文集, 16, 4, pp. 167-183, 2016
- 小柴孝太・角哲也・堤大三: プレート型振動センサを用いた掃流砂量計測手法に関する研究, 土木学会論文集 B1 (水工学), 72, 4, pp. 925-930, 2016
- 小谷仁務・横松宗太: アーティファクトとしての地域資産と住民のアイデンティティ形成: カテゴリー選択モデルアプローチ, 土木学会論文集 D1, 71, 1, pp. 10-25, 2015
- 小谷仁務・横松宗太: 災害による環境変化と共同的実践の変容過程に関する基礎的研究, 土木学会論文集 D3, 70, 5, 2014
- 小谷仁務・横松宗太: 神戸市長田区の縁日・地蔵盆と地域の交流の拡がりに関する調査研究, 都市計画報告集, 14, pp. 91-98, 2015
- 小楢峻司・田中賢治: 衛星観測植生指標を活用した全球農事暦プロダクトの高精度化, 土木学会論文集 B1, 70, 4, pp. 259-264, 2014
- 小野憲司・滝野義和・篠原正治・赤倉康寛: 港湾 BCP へのビジネス・インパクト分析等の適用方法に関する研究, 土木学会論文集 D3, 71, 5, pp. 41-52, 2015
- 小林健一郎・奥勇一郎・中北英一・中野満寿男・寶馨: 伊勢湾台風疑似温暖化実験による淀川流域洪水評価, 土木学会論文集, B1(水工学), 58, 2014
- 松下紘資・平石哲也・間瀬肇・岸本治: 偶発作用に対するカウンターウェイトブロックの性能評価に関する実験的研究, 土木学会論文集 B3 (海洋開発), Vol.70, No.2, pp. I_468-I_473, 2014
- 松四雄騎・松崎浩之・千木良雅弘: 宇宙線生成核種による山地流域からの長期的生産量の推定 Determining Long-term Sediment Yield from Mountainous Watersheds by Terrestrial Cosmogenic Nuclides, 応用地質, 54, 6, pp. 272-280, 2014
- 松四雄騎・松崎浩之・牧野久識: 宇宙線生成核種による流域削剥速度の決定と地形方程式の検証 Testing Models of Landform Evolution by Determining the Denudation Rates of Mountainous Watersheds using terrestrial Cosmogenic Nuclides, 地形, 35, 2, pp. 1-21, 2014
- 松四雄騎・外山 真・松崎浩之・千木良雅弘: 土層の生成および輸送速度の決定と土層発達シミュレーションに基づく表層崩壊の発生場および崩土量の予測, 地形, 37, pp. 427-453, 2016
- 松島信一: 東北地方太平洋沖地震の際に観測された大加速度記録と周辺地盤構造の関係 The Relation between the High-Acceleration Ground Motions Observed during the Great Tohoku Earthquake and the Surface Geology, 日本地震工学会論文集, 16, 4, pp. 22-34, 2016, http://doi.org/10.5610/jaee.16.4_22
- 松本亜希子・中川光弘・井口正人: 火山灰中の本質ガラスの石基組織からみる桜島火山 2012 年 7 月 24 日南岳山頂火口噴火—特にマイクロライトの特徴について—, 火山, 61, pp. 545-562, 2016
- 松澤真・千木良雅弘・土志田正二・中村剛: 岩石の風化程度および削剥前線に支配された表層崩壊発生場-和泉層群の事例-Landslide sites Controlled by Denudation Front and Weathering Intensity:Shallow Landslides Induced by Rainstorms in the Area Underlain by the Cretaceous Izumi Group, Ehime Prefecture, 応用地質, 55, 2, pp. 64-76, 2014
- 上田恭平・室野剛隆: 均質化法を用いた不均質地盤の地震応答解析に関する基礎的検討, 土木学会論文集, 71, 4, pp. 557-567, 2015
- 上田恭平: ケーン式岸壁の地震応答に及ぼす地盤物性値と幾何学的非線形性の影響に関する感度解析, 土木学会論文集 A1 (構造・地震工学), 4, 72, pp. 592-603, 2016
- 上田恭平・井合進: 多重せん断機構の概念に基づく有限変形を考慮した弾性体構成式の提案, 土木学会論文集 A2 (応用力学), 2, 72, pp. 345-356, 2017
- 城戸由能・佐藤豪・中北英一: 都市雨水管理システムの実時間制御における X バンド偏波レーダーによる降水予測情報の有効利用方策に関する研究, 土木学会論文集, B1(水工学), 59, pp. I_1345-I_1350, 2015
- 城戸由能・北側有輝・中北英一: GCM 空間解像度を考慮した地下水環境への気候変動影響の統計確率的評価手法に関する研究, 土木学会論文集, B1(水工学), 58, 2014
- 新本翔太・倉田真宏・鈴木明子・李小華: 余震リスク評価に基づく被災建物継続使用の迅速な意思決定支援, 地域安全学会論文集, 27, 2015
- 森信人・高木友典・間瀬肇・安田誠宏・島田広昭: 極端な気象擾乱における高波の非線形特性について, 土木学会論文集 B2 (海岸工学), Vol.71, No.2, pp. I_457-I_462, 2015
- 森信人・高木友典・二宮順一・安田誠宏・間瀬肇・島田広昭: 2012 年台風 16 号 Sanba による暴波浪の最大波高の特性, 土木学会論文集 B2 (海岸工学), Vol.70, No.2, pp. I_121-I_125, 2014

- 森信人・今井優樹・二宮順一・安田誠宏・間瀬肇: CMIP5 にもとづくダウンスケーリング計算による瀬戸内海熱環境場の将来変化予測, 土木学会論文集B2(海岸工学), Vol.71, No.2, pp. I_469-I_474, 2015
- 森信人・今井優樹・二宮順一・安田誠宏・間瀬肇: CMIP5 にもとづく瀬戸内海の長期物理環境場の将来変化予測, 土木学会論文集B2(海岸工学), Vol.70, No.2, pp. I_1271-I_1275, 2014 Vol.70
- 森信人・志村智也・釜堀弘隆・Arun Chawla・安田誠宏・間瀬肇: JRA-55 にもとづく長期波浪推算と波候特性の解析, 土木学会論文集B2(海岸工学), Vol.71, No.2, pp. pp.I_103-pp.I_108, 2015
- 森信人・千田優・安田誠宏・間瀬肇: 解適合格子法を用いた津波シミュレーションとメッシュ分割法について, 土木学会論文集B2(海岸工学), Vol.70, No.2, pp. I_286-I_290, 2014
- 森信人・有吉望・安田誠宏・間瀬肇: 台風の最大潜在強度にもとづく高潮偏差の長期変動評価, 土木学会論文集B2(海岸工学), Vol.72, No.2, pp.I_1489-I_1494, 2016
- 森信人・濵谷容子・竹見哲也・金沢列・安田誠宏・丹羽竜也・辻尾大樹・間瀬肇: 2013年台風30号Haiyanによる高潮の予測可能性と再解析精度, 土木学会論文集B2(海岸工学), 70, 2, pp.I_246-I_250, 2014, DOI: 10.2208/kaigan.70.I_246
- 森勇太・川瀬博・松島信一・竹内義高・稻葉学: 免震建物の過大変位制御を目的としたフォールト・トレラント機構に関する研究 STUDY ON A FAULT-TOLERANT SYSTEM TO CONTROL THE EXTENDED DISPLACEMENT OF BASE-ISOLATED BUILDINGS, 日本建築学会論文集(構造系), 81, 722, pp. 695-702, 2016
- 森勇太・川瀬博・松島信一・長嶋史明: 微動と地震動の観測水平上下スペクトル比の相違とそれに着目した地盤構造同定手法の提案 Comparison of Observed Earthquake and Microtremor Horizontal-to-Vertical Spectral Ratios and Inversion of Velocity Structures Based on Their Empirical Ratios, 日本地震工学会論文集, 16, 9, pp. 13-32, 2016, http://doi.org/10.5610/jaee.16.9_13
- 秦吉弥・釜井俊孝・王功輝: 2011年東北地方太平洋沖地震で被災した宅地造成地における地震動の評価 Ground Motion Evaluation at Minamidai Residential Area, Tokai Village for the 2011 off the Pacific Coast of Tohoku Earthquake, 日本地震工学会論文集, 14, 2, pp. 181-184, 2014
- 秦吉弥・釜井俊孝・王功輝: 経験的サイト増幅・位相特性を考慮した強震動評価手法に基づく1968年十勝沖地震における剣吉中学校造成斜面での強震波形の評価 Seismic waveform estimation of the 1968 Tokachi-Oki Earthquake based on empirical site amplification and phase effects at a fill slope site in the Kenyoshi junior high school, 日本地すべり学会誌, 52, 2, pp. 26-31, 2015
- 秦吉弥・鍬田泰子・王功輝・釜井俊孝: 1995年兵庫県南部地震における仁川地すべり地での強震動の評価 Seismic waveform estimation at the Nikawa landslide site during the Southern Hyogo Prefecture Earthquake in 1995, 日本地すべり学会誌, 51, 5, pp. 23-28, 2014
- 秦吉弥・高橋良和・秋山充良・後藤浩之・野津厚: 経験的サイト増幅・位相特性を考慮した強震動評価手法に基づく 2003 年三陸南地震における東北新幹線愛宕・稗田高架橋での強震動の推定, 土木学会論文集A1(地震工学論文集第33巻), 70, 4, pp. I_560-I_577, 2014
- 秦吉弥・秋山充良・高橋良和・後藤浩之・野津厚・一井康二: SPGA モデルと経験的サイト増幅・位相特性を考慮した 2011 年東北地方太平洋沖地震における長町高架橋での地震動とフライアーリティカーブの評価, 構造工学論文集, 60A, pp. 214-227, 2014
- 秦吉弥・村田晶・釜井俊孝・王功輝: サイト特性置換手法に基づく 2004 年長野県神城断層地震における滝ノ平地すべり地での強震波形の評価, 地盤と建設, 33, 1, pp. 115-121, 2015
- 吹原慧・松島信一・川瀬博: 強震動予測のための地震動と微動を用いた京都盆地速度構造モデルの拡散波動場理論による同定に関する研究 Identification of the velocity structure model of Kyoto basin for strong motion prediction using observed earthquake and microtremor motions, 日本地震工学会論文集, 15, 6, pp. 60-76, 2015
- 杉原裕司・森塚陽・田中雅一・宮崎大輔・平石哲也・馬場康之・久保輝広: 大気海洋界面の運動量・CO₂輸送の変動要因, 土木学会論文集B1(水工学), 70, 4, pp. 1183-1188, 2014
- 菅野悠介・米山望: 海洋インバースダムの津波減災効果に関する数値解析, 土木学会論文集A2(応用力学), 70, 2, pp. I_555-I_563, 2014 http://DOI.org/10.2208/jscejam.70.I_555
- 西村隆義・五十嵐晃: 等価線形化法を用いた直接基礎構造物の非線形振動特性の検討 Characterization of non-linear dynamic amplification effect associated with spread foundations using equivalent linearization technique (in Japanese), 土木学会論文集A2(応用力学), 71, 2, pp. I_667-I_674, 2015 <http://doi.org/10.5610/jaee.71.2.667>
- 西尾慧・中川一・川池健司・張浩: バンダル型水制群周辺における浮遊砂を伴う流れの特性に関する実験的研究 Experimental Study on Flow Field around Bandal-like Structures under Suspended Load Transport Condition, 土木学会水工学論文集, 60, pp. I_841-I_846, 2016
- 赤倉康寛・安部智久・神波泰夫: 日本に寄港するコンテナ船の航路別の将来船型の試算, 運輸政策研究, 17, 1, pp. 24-35, 2014
- 赤倉康寛・安部智久: 船舶の操縦性能の差異を踏まえた必要航路幅員の算定, 土木学会論文集B3(海洋開発), 70, 2, pp. I_960-I_965, 2014
- 赤倉康寛・高橋宏直・安部智久・小野憲司: 東北地方太平洋沖地震津波襲来時の船舶の錨泊挙動の分析, 日本沿岸域学会誌, 27, 1, pp. 49-60, 2014
- 赤倉康寛・松田琢磨: アジア-北米東岸コンテナ輸送におけるパナマ・エクアドル運河経由選択の分析, 土木学会論文集D3(土木計画学), 70, 4, pp. 259-269, 2014
- 赤倉康寛・邊見充・小野憲司・石原正豊・福元正武: 海運依存産業における大規模地震・津波後のコンテナ

- 貨物需要の復旧曲線、土木学会論文集 D3 (土木計画学) , 70, 5, pp. I_689-I_699, 2014
- 千田優・森信人・安田誠宏・間瀬肇: 解適合格子法を用いた津波・高潮計算手法の開発、土木学会論文集 B2 (海岸工学) , Vol.71, No.2, pp. I_373-I_378, 2015
- 千木良雅弘: 2011 年台風 12 号による紀伊山地豪雨による斜面崩壊の実態、地質と調査, 144, pp. 28-31, 2015
- 千木良雅弘: 深層崩壊の場所の予測と今後の研究展開について、応用地質, 56, 5, pp. 200-209, 2015
- 千木良雅弘: 地震による深層崩壊、地震ジャーナル, 58, pp. 28-35, 2014
- 川崎一朗・石井紘・浅井康広・西村卓也: 2011 年 Mw9.1 東北地震に伴った Mw8.4 スーパーサブイベント An Mw8.4 Super Sub-Event Associated with the 2011 Mw 9.1 Tohoku Earthquake, 地震 2 , 64, pp. 87-98, 2014, DOI:10.4294/zisin.67.87
- 川池健司・中川一・藤田翔子: ポンプの機能停止を想定した内水氾濫による浸水予測 Inundation Estimation Caused by Heavy Rainfall under the Assumption of Pump Failure, 土木学会水工学論文集, 60, pp. I_1345-I_1350, 2016
- 浅野公之・岩田知孝・宮腰研・大堀道広: 微動アレイ観測と単点微動観測による加賀平野南部及び邑知潟平野の堆積平野速度構造モデルの検討、日本地震工学会論文集, 15, 7, pp.194-204,2015,doi:10.5610/jaee.15.7_194
- 浅野倫矢・田中茂信・田中賢治・浜口俊雄: CMIP5 と陸域水循環モデルを用いたヴィクトリア湖の将来気候における貯水量評価、土木学会水工学論文集, 59, 2015
- 倉田真宏・佐藤美帆・張雷・中島正愛: 軽量引張鋼棒と板を組み合わせた低負荷な鋼骨組耐震補強機構の提案、日本建築学会構造系論文集, 709, 2015
- 倉田真宏・峰岸楓・唐貞云・中島正愛: 合成梁を有する鋼構造柱梁接合部の繰返し載荷による振動特性の変化-実大試験体を用いた振動試験-, 日本建築学会構造系論文集, 703, pp. 1271-1278, 2014
- 倉田真宏・鈴木明子・峰岸楓・中島正愛: 微振動下の内力分布推定に基づいた鋼構造柱梁接合部の健全性評価、日本建築学会構造系論文集, 713, pp. 1045-1053, 2015
- 増田有俊・中北英一: Xバンド偏波レーダを用いた降水セルのライフステージ判別手法の開発、土木学会論文集, B1(水工学), 58, 2014
- 孫英英・近藤誠司・宮本匠・矢守克也: 新しい津波減災対策の提案一「個別訓練」の実践と「避難動画カルテ」の開発を通して、災害情報, 12, pp. 76-87, 2014
- 孫英英・中居楓子・矢守克也・畠山満則: 2014 年伊予灘地震における高知県沿岸住民の避難行動に関する調査 Tsunami Evacuation Behavior of Costal Residents in Kochi Prefecture during the 2014, Iyonada Earthquak, 自然災害科学, 33, 1, pp. 53-63, 2014
- 孫英英・矢守克也・谷澤亮也: 防災・減災活動における当事者の主体性の回復をめざしたアクションリサーチ, 実験社会心理学研究, 55, pp. 75-87, 2016
- 村重慧輝・堤大三・宮田秀介・藤田正治・酒井英男・上石勲: 火山泥流発生機構解明のための高温砂礫による融雪に関する実験的研究、砂防学会誌, 67, 6, pp. 3-10, 2015
- 村上滋希・林春男・牧紀男・堀江啓・濱本両太・東田光裕・田村圭子・小松瑠美: 罹災証明発給業務の効率化手法に関する分析—2012 年京都府南部豪雨を事例として、地域安全学会論文集, 23, pp. 1-10, 2014
- 太田一行・佐藤隆宏・中川一: 掃流から浮遊への遷移を考慮した三次元河床変動解析手法- 河川横断構造物上流の局所洗掘現象への適用- Numerical Model of Sediment Transport Considering Transition from Bed-load Motion to Suspension-Application to a Scour upstream of a Cross-river Structure-, 水工学論文集, 土木学会, 59, pp. I_883-I_888, 2015
- 大見士朗: 飛騨山脈南部脊梁部で発生する地震による震源域近傍での震度について ——2014 年 5 月飛騨山脈南部の地震活動の例——Characteristics of Seismic Intensity Distribution in the Vicinity of Focal Area Along the Southern Hida Mountain Range, Central Japan, 地震, 69, pp. 113-118, 2017, doi:10.4294/zisin.69.113
- 大見士朗: Matched Filter Method による群発地震解析の試み- 2013 年飛騨山脈穂高岳付近の地震活動の例 -Seismic Activity near Mt. Hotaka in Hida Mountain Range in 2013, Detected by the Matched Filter Method, 地震, 68, pp. 1-15, 2015, doi: 10.4294/zisin.68.1
- 谷口惺・五十嵐晃・木田秀人: 減増動的解析(IDA)に基づく長大橋の耐震性能評価 Seismic performance evaluation of long span bridges based on incremental dynamic analysis, 土木学会論文集 A1 (構造・地震工学) , 70, 4, pp. I_323-I_333, 201410.2208/jscejsee.70.I_323
- 池田貴昭・後藤浩之・澤田純男: 地震時盛土の引張破壊を考慮した拡張有限要素法によるクラック進展解析、土木学会論文集 A2 (応用力学) , 72, 2, pp. I_227-I_235, 2016, doi:10.2208/jscejam.72.I_227
- 池田芳樹: モード情報を用いた 2 軸偏心構造物の偏心率の同定、構造工学論文集, 62B, pp. 373-380, 2016
- 池田芳樹: 花房広哉: 地震観測に基づく曲げせん断建物モデルの剛性の直接同定法、日本建築学会構造系論文集, 705, 79, pp. 1601-1611, 2014
- 竹之内健介・河田慈人・中西千尋・矢守克也: 気象情報の共同構築-災害リスクに対する共同意識の醸成の視点から、災害情報, 12, pp. 100-113, 2014
- 竹之内健介・中西千尋・矢守克也・澤田充延・竹内一男・藤原宏之: 地域気象情報の共同構築の試行～伊勢市中島学区における取組～、自然災害科学, 34, pp. 243-258, 2015
- 竹之内健介・中島秀明・田中耕司・中北英一・矢守克也・養老伸介・羽生雅則: 中小河川群の氾濫解析と気象情報を利用した地域防災計画が想定する災害イメージの事前構築、土木学会論文集 F6 (安全問題) , 70, 2014
- 竹之内健介・矢守克也・河田慈人: 防災気象情報のレベル化とセルフウェザーゲームの開発、災害情報, 14, pp. 186-198, 2016
- 竹門康弘・浦部真治・角哲也: 淀川のアユ潮上数に与える大阪湾の環境要因の影響、京都大学防災研究所年報, 57B, pp. 550-560, 2014

- 竹林洋史・江頭進治・藤田正治: 2013年10月に伊豆大島で発生した泥流の平面二次元解析, 河川技術論文集, 20, 2014
- 中地弘幸・牧紀男・林春男・小林啓二: 東日本大震災における消防防災ヘリコプターの活用結果に基づく南海トラフ巨大地震におけるヘリコプターの有効活用方法の提案, 自然災害科学, 33, 2, pp. 101-114, 2014
- 中島秀明・田中耕司・中北英一・竹之内健介・矢守克也・養老伸介・羽生雅則: 中小河川郡における内外水氾濫課程を踏ました地区別の避難判断・行動に関する研究, 河川技術論文集, 20, 2014
- 中北英一・佐藤悠人・山口弘誠: ゲリラ豪雨のタマゴ生成時における渦管構造の基礎的解析, 土木学会論文集B1(水工学), 72, pp. I_199-I_204, 2016
- 中北英一・西脇隆太・山口弘誠: ゲリラ豪雨の早期探知・予報システムの開発, 河川技術論文集, 20, pp. 355-360, 2014
- 中北英一・草野晴香・KIM Sunmin: 梅雨期集中豪雨をもたらす大気場特性の気候変動に伴う出現頻度の将来変化予測, 土木学会論文集, B1(水工学), 59, pp. 373-378, 2014
- 中野秀俊・大西正光・小林潔司: イスラーム契約におけるリスク分担のシャリーア適合性 SHARI'AH COMPLIANCE OF RISK SHARING IN ISLAMIC CONTRACTS, 土木学会論文集D3(土木計画学), 4, 70, pp. 227-244, 2014
- 中條伸大・金沢列・森信人・安田誠宏・間瀬肇・山田文彦: 八代湾における高潮災害に及ぼす台風の移動速度と規模の影響について, 土木学会論文集B2(海岸工学), Vol.70, No.2, pp. I_256-I_260, 2014
- 仲野健一・川瀬博・松島信一: スペクトルインバージョン手法に基づく強震動特性の統計的性質に関する研究 その2 分離した特性に対する詳細分析 Statistical properties of strong ground motions based on the spectral inversion method, Part II: Focus on the characteristics of strong ground motions estimated by Fourier spectra., 日本地震工学会論文集, 15, 1, pp. 38-59, 2015, http://dx.doi.org/10.5610/jaee.15.1_38
- 仲野健一・川瀬博・松島信一: スペクトルインバージョン手法に基づく強震動特性の統計的性質に関する研究 その1 フーリエスペクトル・応答スペクトルから分離した平均特性 Statistical properties of strong ground motions based on the spectral inversion method Part I: Spectral inversion from Fourier spectrum and response spectrum, 日本地震工学会論文集, 14, 2, pp. 67-83, 2014
- 張文君・大西正光・小林潔司・石磊: 中国における建設契約ガバナンスの構造: FIDICとの比較分析を通じて THE STRUCTURE OF GOVERNANCE FOR CONSTRUCTION CONTRACT IN CHINA: BASED ON THE COMPARATIVE STUDY WITH FIDIC FORM, 土木学会論文集F4(建設マネジメント), 4, 72, pp. I_111-I_122, 2016
- 長谷川祐治・竹林洋史・藤田正治: 岩露出河川の土砂流出特性に関する流域模型を用いた実験的研究, 河川技術論文集, 21, pp. 111-114, 2015
- 辻田大揮・安田誠宏・篠原瑞生・森信人・間瀬肇: 複数地域での同時被災を考慮した高潮災害の集積リスク評価手法に関する研究, 土木学会論文集 B2(海岸工学), Vol.72, No.2, pp. pp.I_1639-I_1644, 2016
- 堤大三・藤田正治・竹門康弘・角哲也・泉山寛明: 木津川流域の土砂生産ポテンシャルの推定, 砂防学会誌, 66, pp. 13-22, 2014
- 渡壁卓磨・松四雄騎・小玉芳敬・進木美穂・松崎浩之: 宇宙線生成核種 ^{10}Be を用いた岩盤侵食河川の下刻速度の推定: 鳥取県小鹿渓谷の例, 地形, 35, pp. 131-146, 2014
- 土井一生・川崎一朗・釜井俊孝: 長野県神城断層地震による堀之内地区的斜面変状, 自然災害科学, 1, 34, pp. 7-14, 2015
- 党紀・五十嵐晃・村越雄太: 高減衰ゴム支承の水平2方向・大ひずみ変形時の挙動を表現した2方向復元力モデルの開発 Development of hysteretic model for high-damping rubber bearings under bi-directional and large strain domain loading (in Japanese), 土木学会論文集 A1(構造・地震工学), 72, 1, pp. 250-262, 2016, doi:10.2208/jscejseee.72.250
- 党紀・佐藤拓・五十嵐晃・林訓裕・足立幸郎: ベイズ確率推定と漸増動的解析(IDA)による経年劣化支承(リング��)の耐震性能評価 Seismic performance estimation for bridges with aging deteriorated rubber bearings (ring shoe) by Bayesian probability inference and incremental dynamic analysis (in Japanese), 土木学会論文集 A1(構造・地震工学), 72, 4, pp. I_542-I_554, 2016, doi:10.2208/jscejseee.72.I_542
- 党紀・東出知大・五十嵐晃・足立幸郎・林訓裕: ゴム支承(LRB)の経年劣化が橋梁構造の耐震性能に及ぼす影響に関する解析的研究 Dynamic analysis to investigate the effect of aging deterioration of lead rubber bearings on the seismic performance of bridges (in Japanese), 土木学会論文集 A1(構造・地震工学), 71, 4, pp. I_713-I_724, 2015, doi:10.2208/jscejseee.71.I_713
- 島田広昭・石垣泰輔・武藤裕則・馬場康之・大年邦雄: 海岸利用者の津波に対する防災意識の経年低下, 土木学会論文集B3(海洋開発), 70, 2, pp. 37-42, 2014
- 東俊孝・矢神卓也・中北英一・古賀光彦: 行走速度を考慮した降雨強度推定手法の提案, 土木学会論文集, B1(水工学), 59, pp. 493-498, 2014
- 東郷拓真・和留生・林和宏・倉田真宏・中島正愛: 極低降伏点鋼スリット鋼板を用いた組立式耐震壁とその設計法, 日本建築学会構造系論文集, 720, 2016
- 東郷拓真・和留生・林和宏・倉田真宏・中島正愛: 極低降伏点鋼 LY100 を用いた多段スリット入り鋼板耐震壁の開発, 日本建築学会構造系論文集, 709, 2015
- 東良慶・伊藤忠男・半田英明・山敷亮・平石哲也・菅野高弘: 流起式可動防波堤の小型模型による性能評価水理実験, 土木学会論文集B2(海岸工学), 70, 2, pp. 951-955, 2014

- 東良慶・西山哲・石川貴一朗・吉岡裕嗣・島村秀樹・大浪裕之: モービルマッピングシステムによる河川堤防の高精度計測, 河川技術論文集, 20, pp. 485-490, 2014
- 東良慶・田邊修平・平石哲也・関口秀雄: 寺泊野積海岸の河口砂浜域における淡水地下水流出量の推定, 土木学会論文集B2(海岸工学), 70, 2, pp. 1211-1215, 2014
- 嶋嘉哉・田中賢治・中北英一: アラル海流域における陸域水循環モデルを用いた気候変動の水需給バランスへの影響評価, 土木学会論文集G(環境), 71, 5, pp. I183-I188, 2015
- 得津萌佳・野原大督・堀智晴: アンサンブル水文予測情報を考えたダム利水操作の効果分析手法の検討 A method to analyze the effectiveness of long-term reservoir operation considering ensemble hydrological prediction, 土木学会論文集B1(水工学), 4, 72, pp. I_1213-I_1218, 2016
- 内山雄介・松川大佑・神吉亮佑・馬場康之・森信人・水谷英朗・渡部靖憲・大塚淳一・山田朋人・猿渡亜由未・二宮順一: 紀伊半島田辺湾湾口部における海水交換特性に関する研究 Water Exchange at the Mouth of Tanabe Bay in Kii Peninsula, Japan, 土木学会論文集B2(海岸工学), 70, 2, pp. 446-450, 2014
- 二宮順一・森信人・安田誠宏・間瀬肇・Luca R.Centurioni・Eric A. D' Asaro: 台風下における海面抵抗係数の海洋物理環境場への影響, 土木学会論文集B2(海岸工学), Vol.70, No.2, pp. I_461-I_465, 2014
- 二宮順一・森信人・竹見哲也・荒川理: 伊勢湾台風の擬似温暖化実験による将来高潮の予測, 土木学会論文集B2(海岸工学), 72, 2, pp. I_1501-I_1506, 2016, doi: 10.2208/kaigan.72.I_1501
- 二宮順一・竹見哲也・森信人: 伊勢湾台風を対象とした高潮追算のためのJRA55再解析データの力学的ダウンスケール, 土木学会論文集B2(海岸工学), 71, 2, pp. I_1699-I_1704, 2015, doi: 10.2208/kaigan.71.I_1699
- 日下彰宏・岡野創・中島正愛: 安全余裕の推定誤差の相関を考慮した鋼構造梁端部破壊確率のベイズ更新, 日本建築学会構造系論文集, 712, pp. 851-858, 2015
- 日下彰宏・岡野創・中島正愛: 震災後の安全確認に用いる鋼構造梁端部破壊確率のベイズ更新, 日本建築学会構造系論文集, 700, pp. 839-846, 2014
- 日置幸介・飯沼卓史・市川隆一・太田雄策・大坪俊通・鷺谷威・島田誠一・橋本学・福島登志夫・福田洋一・ホビガー トーマス・宗包浩志: 国際測地学協会2013年学術総会報告, 測地学会誌, 59, 4, pp. 167-180, 2014
- 馬場康之・水谷英朗・久保輝広・内山雄介・森信人・渡部靖憲・大塚淳一・山田朋人・猿渡亜由未・二宮順一: 台風通過に伴う田辺湾湾口部における海水温変化について Water Temperature Variation at the Mouth of Tanabe Bay during Typhoon Passing, 土木学会論文集B2(海岸工学), 70, 2, pp. 476-480, 2014
- 萩村俊司・松浦純生・平島寛行・阿部修・上石勲・千木良雅弘: 模型斜面を用いた強風時の融雪実験, 日本雪工学会誌, 30, 2, pp. 1-6, 2014
- 畠山満則・中居楓子・矢守克也: 地域ごとの津波避難計画策定を支援する津波避難評価システムの開発 Tsunami Evacuation Evaluation System for Plan Development of Community Based Evacuation, 情報処理学会論文誌, 55, 5, pp. 1498-1508, 2014
- 畠山直己・松島信一・川瀬博: 観測記録に基づく実大鉄骨架構の物理パラメタの同定に関する研究 A STUDY ON IDENTIFICATION OF THE PHYSICAL PARAMETERS OF A FULL-SCALE STEEL STRUCTURE BASED ON OBSERVED RECORDS, 日本建築学会構造系論文集, 79, 701, pp. 905-912, 2014, DOI:10.3130/aijs.79.905
- 八反地剛・松四雄騎・北村裕規・小口千明・八戸昭一・松崎浩之: 宇宙線生成核種と物質収支法を用いた花崗岩山地の化学的風化速度の推定: 北アルプス芦間川流域の事例., 地形, 35, pp. 147-164, 2014
- 飛田幸樹・川瀬博・松島信一: 常時微動を用いた大阪平野南部における地盤構造の推定 Estimation of Subsurface Structures Using Microtremors in the Southern Part of Osaka Plain, 日本地震工学会論文集, 14, 2, pp. 104-123, 2014
- 樋本圭佑・山田真澄・西野智研: 平成23年東北地方太平洋沖地震における津波浸水区域外の出火傾向の分析, 日本建築学会環境系論文集, 79, 697, pp. 219-226, 2014
- 浜口博之・植木貞人・中道治久: 1888年磐梯山水蒸気爆発に関するノート(3)1888年の水蒸気爆発論考に潜むジレンマ, 火山, 59, 4, pp. 287-298, 2014
- 浜口博之・中道治久・植木貞人: 1888年磐梯山水蒸気爆発に関するノート(4)諸大家の誤謬に関する考察, 火山, 3, 61, pp. 503-518, 2016
- 風間卓仁・山本圭吾・福田洋一・井口正人: 相対重力データに対する陸水擾乱補正の重要性: 桜島火山を例に The importance of hydrological disturbance corrections for relative gravity data: A case study at Sakurajima volcano, southern Kyusyu, Japan, 測地学会誌, 60, pp. 73-89, 2014
- 風間卓仁・栗原剛志・山本圭吾・井口正人・福田洋一: 2015年8月15日桜島膨張イベント時にCG-3M重力計で観測された相対重力および傾斜の連続的な時間変化, 火山, 61, pp. 593-604, 2016
- 兵藤誠・竹門康弘・角哲也・栗津陽介・瞰朝暉: 洪水時の地形の浸食堆積履歴が河川生息場の好適性に及ぼす影響, 土木学会論文集B1(水工学), 70, 4, pp. 1345-1350, 2014
- 平石哲也・森信人・安田誠宏・東良慶・間瀬肇・Adi Prasteyo・大倉翔太: 複数の造波手法を有する津波再現装置で増派された津波の特性 Characteristics of Tsunami Generator Newly Implemented with Three Generation Modes, 土木学会論文集(B2)海岸工学論文集, 71, 2, pp. I_349-I_354, 2015
- 平石哲也: Development of a New Tsunami Generator for Multiple SourcesDevelopment of a New Tsunami Generator for Multiple Sources, Journal of Disaster Research, 11, 4, pp. 634-638, 2016

- 平石哲也: 蛇かご被覆材の波浪および津波に対する安定性の評価に関する実験 Hydraulic Experiment on Stability of Rectangular Nert-type Armor Blocks in Stormy Wave and Tsunamig, 土木学会論文集 (B2)海岸工学論文集, 71, 2, pp. I_1195-I_1200, 2015
- 平野瑞樹・木村雄一郎・水谷法美・平石哲也・間瀬肇: 長径間型フラップゲート型防潮堤の成立性検証および作用波力特性, 土木学会論文集 B3 (海洋開発), Vol.72, No.2, pp. pp.I_682-I_687, 2016
- 米山望・田中豊・William J. Pringle・永島弘士: 実地形へ適用可能な三次元漂流物挙動解析手法の開発と基礎的な検証, 土木学会論文集 B2 (海岸工学), 71, 2, pp. I_1027-I_1032, 2015, http://doi.org/10.2208/kaigan.71.I_1027
- 北野利一・高橋倫也・田中茂信: ベイズ手法による降水量の極値の予測分布—最尤法による相違と相互補完 BAYESIAN PREDICTION FOR EXTREMES OF PRECIPITATION IN A MUTUALLY COMPLEMENTARY MANNER WITH INFORMATION BY MAXIMUM LIKELIHOOD ESTIMATION, 土木学会論文集 B1, B1, 72, pp. I_463-I_468, 2015
- 北野利一・高橋倫也・田中茂信: 降水量の極値特性の気候変動に伴う差異の検出～変化の現れ方の想定により生じる問題, 土木学会論文集, B1, 71, 2014
- 牧紀男・林春男: 2012 年京都府南部豪雨災害時の宇治市の災害対応—地域防災計画に求められる内容と災害対策本部業務への示唆, 地域安全学会論文集, 22, pp. 51-58, 2014
- 木間基寛・新井恭子・松本健人・鈴木靖: 確率情報を含む気象情報に対する住民の受容特性に関する研究, 自然災害科学, 34, 特別, 2015
- 味喜大介・小林哲夫: 桜島火山・南岳の形成過程—溶岩の古地磁気学的年代と噴出量の推定からの考察—, 火山, 61, 1, pp. 237-252, 2016
- 木村雄一郎・水谷征治・山下徹・清宮理・平石哲也・間瀬肇: フラップゲート式防波堤の津波に対する抵抗機構に関する実験的研究, 土木学会論文集 B3 (海洋開発), Vol.70, No.2, pp..I_378- pp.I_383, 2014
- 野原大督・堀智晴・佐藤嘉展: 現業中長期アンサンブル降水予測情報を考慮した実時間ダム利水操作に関する研究, 土木学会論文集 B1(水工学), 4, 73, pp. I_1315-I_1320, 2017
- 野田卓見・松島信一・川瀬博: 長周期構造物の地震時挙動シミュレーションのための模型振動実験 SMALL SCALE MODEL EXPERIMENT FOR DYNAMIC RESPONSE SIMULATION OF A LONG PERIOD STRUCTURE, 日本建築学会論文集 (構造系), 80, 716, pp. 1549-1558, 2015
- 矢守克也・杉山高志: 「Days-Before」の語りに関する理論的考察, 質的心理学研究, 14, pp. 110-127, 2015
- 矢守克也: アクションリサーチの〈時間〉, 実験社会心理学研究, 56, 1, pp. 48-59, 2016
- 矢守克也: 河田恵昭教授の災害リスク・コミュニケーション～人間化された自然・現在化された想定・極限化された数値～, 社会安全学研究, 6, pp. 39-49, 2016
- 矢守克也: 言語行為論から見た災害情報～記述文・遂行文・宣言文～, 災害情報, 14, pp. 1-10, 2016
- 矢守克也: 量的データの質的分析—質問紙調査を事例に, 質的心理学研究, 14, pp. 166-181, 2015
- 溜瀬功史・山田真澄・Wu Stephen: 緊急地震速報のための同時多発地震を識別する震源推定手法, 地震, 67, 2, pp. 42-55, 2014
- 林訓裕・足立幸郎・甲元克明・八ツ元仁・五十嵐晃・党紀・東出知大: 経年劣化した鉛プラグ入り積層ゴム支承の残存性能に関する実験的検証 Experimental verification for remaining performance of lead rubber bearings with aging deterioration, 土木学会論文集 A1 (構造・地震工学), 70, 4, pp.I_1032-I_1042, 201410.2208/jscejseee.70.I_1032
- 林健太郎・濵谷容子・黒岩正光・森信人・間瀬肇: 気候変動による沿岸外力特性の変化が海浜に及ぼす影響一鳥取県浦富海岸一, 土木学会論文集 B2 (海洋開発), Vol.71, No.2, pp. I_419-pp.I_424, 2015
- 林訓裕・足立幸郎・坂本直太・五十嵐晃・党紀・大谷修・下池利孝: ゴム支承の損傷メカニズムに関する基礎的検証 Fundamental analysis for identifying deterioration mechanism of lead rubber bearings (in Japanese), 土木学会論文集 A1 (構造・地震工学), 71, 4, pp. I_525-I_536, 2015, doi:10.2208/jscejseee.71.I_525
- 林悠平・竹見哲也・宮本佳明: 非静力学軸対称モデルによる竜巻様渦の遷移に関する数値実験, 日本風工学会論文集, 41, 4, pp. 125-135, 2016, doi: 10.5359/jwe.41.125
- 林和宏・岡崎太一郎・林旭川・中島正愛: H-SA700 鋼と高力ボルトを用いた組立柱の柱梁接合部, 鋼構造論文集, 21, 82, pp. 39-50, 2014
- 林和宏・西亮祐・榎本龍介・倉田真宏・中島正愛: 超高強度鋼 H-SA700 を用いた中空 CFT 柱部材の曲げ圧縮性能, 日本建築学会構造系論文集, 705, pp. 1699-1707, 2014
- 林和宏・西良祐・羅雲標・倉田真宏・中島正愛: 超高強度鋼 H-SA700 を用いたコンクリート充填鋼管柱の復元力特性と終局状態, 日本建築学会構造系論文集, 718, pp. 2001-2009, 2015
- 鈴木博人・大島竜二・中北英一・高橋日出男: 雨量計による大雨の捕捉性能の評価と雨量計の受持ち区間の見直し方法に関する研究, 土木学会論文集, B1(水工学), 59, pp. 1303-1308, 2014
- 鈴木靖・木間基寛・佐藤喜展・道広有理・竹門康弘: 水温の将来変化がアユの遡上時期に及ぼす影響について IMPACT OF FUTURE CHANGES IN WATER TEMPERATURE ON THE UPSTREAM MIGRATION TIMING OF SWEETFISH, 土木学会論文集 B1 (水工学), 70, 4, pp. I_1213-I_1218, 2014
- 和田高宏・竹林洋史・久加朋子・眞間修一・藤田正治・岡本隆明・戸田圭一: 橋梁周辺に発生する迂回流の流れと河岸浸食特性, 土木学会論文集 B1 (水工学), 59, 2015
- 国吉早紀・森信人・中條壮大・安田誠宏・間瀬肇: 確率台風モデルとニューラルネットワークを用いた台風の将来変化を考慮した高潮予測, 土木学会論文集 B2 (海岸工学), Vol.70, No.2, pp. pI_1256-I_1260, 2014

廣川夕貴・松島信一・川瀬博: ミャンマー・ヤンゴン市における常時微動を用いた地盤構造の推定
Estimation of underground structures in Yangon City, Myanmar using single-station and array microtremors, 日本地震工学会論文集, 16, 1, pp. 49-58, 2016

澁谷容子・黒岩正光・林健太郎・池田健太・森信人・松原雄平・間瀬肇: 等深線変化モデルによる気候変動に伴う長期海浜変形予測と影響評価, 土木学会論文集B3 (海岸開発), Vol.70, No.2, pp.I_684-I_689, 2014

澁谷容子・中條壯太・森信人・金沢列・間瀬肇: 気候変動に伴う最大クラス台風経路と高潮偏差および再現期間の推定—伊勢湾における検討—, 土木学会論文集B2 (海岸工学), Vol.71, No.2, pp. I_1513-I_1518, 2015

澁谷容子・中條壯太・金沢列・森信人・間瀬肇: 第二室戸台風にもとづく大阪湾の高潮と浸水範囲における気候変動の感度評価, 土木学会論文集B2 (海岸工学), Vol.72, No.2, pp. I_217-I_222, 2016

與田敏昭・中川一・水谷英朗・川池健司・張浩: 堤体飽和度に着目した堤防の越流侵食のメカニズムに関する研究 Research on the Mechanisms of River Embankment by Erosion due to Overtopping Flow in Consideration of Soil Saturation, 自然災害科学, 33, 1, pp. 29-41, 2014

著書

Asano Kimiyuki, Sekiguchi Haruko, Iwata Tomotaka, Suzuki Wataru, Aoi Shin, Kunugi Takashi: Source Process of the 2011 Off the Pacific Coast of Tohoku Earthquake, Studies on the 2011 Off the Pacific Coast of Tohoku Earthquake, Natural Disaster Science and Mitigation Engineering: DPRI reports, pp.17-36, 2014, 10.1007/978-4-431-54418-0_3
Chigira M., Suzuki T.: Prediction of earthquake-induced landslides of pyroclastic fall deposits, Landslides and Engineered Slopes. Experience, Theory and Practice, pp. 93-100, 2016

Chigira Masahiro, Kanaori Yuji, Wakizaka, Yoshida, Miyata: The Geology of Japan., Engineering Geology, pp. 457-483, 2016

Daisuke Nohara, Tomoharu Hori: Integrated Reservoir Operation Considering Real-time Hydrological Prediction for Adaptive Water Resources Management, Sustainable Water Resources Planning and Management under Climate Change, pp. 101-132, 2017

Daisuke Nohara, Yuya Nishioka, Tomoharu Hori, Yoshinobu Sato: Real-time reservoir operation for flood management considering ensemble streamflow prediction and its uncertainty, Advances in Hydroinformatics SIMHYDRO2014, pp. 333-347, 2015

Hirokazu Tatano, Mamoru Yoshida: Integrated Disaster Risk Management from the Perspective of Human Security Engineering, Matsuoka Y., Yoshida M. (eds) Challenges for Human Security Engineering. Environmental Science and Engineering. Springer, Tokyo, pp. 111-142, 2014, 978-4-431-54287-2

Krausmann, E., Cruz, A.M., E.Salzano: Reducing the Risk of Natural-Hazard Impact on Hazardous Installations Reduc-

ing the Risk of Natural-Hazard Impact on Hazardous Installations, Natech Risk Assessment and Management, 2016

Mangapul L. Nababan, Masamitsu Onishi, Kiyoshi Kobayashi: Asymmetric Ownership Between Municipalities in Water Supply System Provision in Indonesia, Community Based Water Management and Social Capital, pp. 161-179, 2014

Masamitsu Onishi, Kiyoshi Kobayashi, Hayeong Jeong: Entrepreneur Urban policies and regional learning governance, Agglomeration, Clusters and Entrepreneurship: Studies in Regional Economic Development, pp. 103-131, 2014

Masamitsu Onishi, Mangapul L. Nababan, Kiyoshi Kobayashi: Partial Authority Allocation of Regional Water Supply System in Indonesia and Economic Efficiency, Community Based Water Management and Social Capital, pp. 141-159, 2014

Mori,Nobuhito, Yoneyama, Nozomu, Pringle, William: Effects of the offshore barrier against the 2011 off the Pacific Coast of Tohoku Earthquake Tsunami and lessons learned, Post Tsunami Hazards Restoration and Reconstruction, Springer, pp. 121-132, 2014

Takao Iguchi, Hitoshi Mukogawa, Takeshi Enomoto: Uncertainty in simulation of global transport of radioactive tracer emitted from Fukushima Daiichi nuclear power plant, Studies on the 2011 Off the Pacific Coast of Tohoku Earthquake, H. Kawase editor, Natural Disaster Science and Mitigation Engineering: DPRI Reports, pp. 187-196, 2014, 978-4-431-54417-3

Takemi Tetsuya, Ishikawa Hirohiko: High-Resolution Local-Scale Simulation of Meteorological Conditions and Wind Fields over Fukushima Region in March 2011, Studies on the 2011 Off the Pacific Coast of Tohoku Earthquake (Springer), pp. 177-186, 2014, ISBN 978-4-431-54417-3

今井明子 (著)・河宮未知夫・立入郁・鈴木立郎・塩竈秀夫・竹見哲也・阿部彩子・羽島知洋・高橋潔・芦名秀一: 異常気象と温暖化がわかる どうなる? 気候変動による未来, 異常気象と温暖化がわかる どうなる? 気候変動による未来, pp. 1-191, 2016, ISBN 978-4-7741-8127-1

岩田知孝・浅野公之: 本震の震源過程, 東日本大震災合同調査報告 共通編1 地震・地震動, pp. 53-72, 2014

大西正光: ゲーム理論, 土木計画学ハンドブック, pp. 192-194, 2017

大西正光: 引渡・瑕疵責任, 社会基盤マネジメント, pp. 227-231, 2015

大西正光: 競争的対話方式の機能と制度設計, 社会基盤マネジメント, pp. 251-254, 2015

大西正光: 工程管理手法, 土木計画学ハンドブック, pp. 742-746, 2017

大西正光: 新たな調達制度の展開, 土木計画学ハンドブック, pp. 757-761, 2017

大西正光: 制度移行プロセスと土木計画論, 土木計画学ハンドブック, pp. 52-57, 2017

- 大西正光: 調達・契約概論, 社会基盤マネジメント, pp. 193-200, 2015
- 加納靖之: 古地震学とくずし字解説, アプリで学ぶくずし字くずし字学習支援アプリ Kula の使い方, 2017
- 竹見哲也: 積雲とダスト, 「低温科学第 72 卷 雲とエアロゾルをつなぐ観測とモデリング」, 藤吉康志編, 北海道大学低温科学研究所, 72, pp. 285-296, 2014, ISBN 1880-7593
- 竹見哲也: 異常気象災害, 「災害対策全書別冊「国難」となる巨大災害に備える—東日本大震災から得た教訓と知見ー」, 公益財団法人ひょうご震災記念 21 世紀研究機構「国難」となる巨大災害に備える編集会議編, ぎょうせい, pp. 538-541, 2015
- 竹門康弘: その他の淡水無脊椎動物, 京都府レッドデータブック 1 野生動物編』, pp. 433-438, 2015
- 竹門康弘: カゲロウ目, 京都府レッドデータブック 1 野生動物編, pp. 305-305, 2015
- 竹門康弘: カゲロウ目, 京都府レッドデータブック別冊 京都府自然環境目録, pp. 41-42, 2015
- 竹門康弘: キマダラカゲロウ, キハダヒラタカゲロウ, 京都府レッドデータブック〔普及版〕, pp. 59-59, 2015
- 竹門康弘: 甲殻類, 京都府レッドデータブック 1 野生動物編, pp. 340-342, 2015
- 竹門康弘: 甲殻類, その他の淡水無脊椎動物, 京都府レッドデータブック別冊 京都府自然環境目録, pp. 190-194, 2015
- 竹門康弘: 鶯知らず・オイカワ, 川酒菜—川魚や酒と出会い川酒菜, pp. 21-22, 2016
- 竹門康弘: 水辺の環境と川魚の生態, 川酒菜—川魚や酒と出会い川酒菜, pp. 1-6, 2016
- 多々納裕一: 気候変動の下での適応策としての災害リスク管理, 西岡秀三, 植田和弘, 森杉壽芳監修, 損害保険ジャパン, 損害保険ジャパン環境財団, 損保ジャパン日本興亜リスクマネジメント編著, 「気候変動リスクとどう向き合うか:企業・行政・市民の賢い適応」, 金融財政事情研究会, pp. 45-59, 2014
- 多々納裕一: 水害リスク軽減方策のコーディネーション—安全・安心科学技術プロジェクト(2), 堀井秀之, 奈良由美子編著「安全・安心と地域マネジメント」放送大学教育振興会, pp. 123-136, 2014
- 多々納裕一: 大規模災害と防災計画—総合防災学の挑戦, 堀井秀之, 奈良由美子編著「安全・安心と地域マネジメント」放送大学教育振興会, pp. 169-182, 2014
- 千木良雅弘: 地質と灾害—応用地質の見方考え方—, 地質と灾害—応用地質の見方考え方—, 2016
- 野原大督: 貯水池システムの操作, 土木計画学ハンドブック, pp. 378-382, 2017
- 林春男: 防災と危機管理, 持続可能な社会を目指して—「未来」をつくる ESD, pp. 92-101, 2014
- 堀口健治・七戸克彦・山下東子・石井圭一・柏雅之・荒幡克己・小針美和・田山輝明・弦間正彦・横松宗太・Rodney B.W.Smith・鷺津明由・高瀬浩二: 再生可能資源と役立つ市場取引, 2014
- 牧紀男: 災害と住居, 国立民族学博物館編・世界民族百科事典, 2014
- 松浦純生: 積雪地帯に伝わる地方固有の「知」を科学し, 地域防災の「技」に役立てる, 田中隆文編著, 想定外を生まない防災科学—全てを背負う「知の野生化」—, 古今書院, pp. 247-255, 2015, ISBN978-4-7722-4189-2
- 丸山敬: 「建築物のガラスー破壊的暴風に耐える安全ガラスー試験と分類」に準じた衝撃試験の結果, 安全・安心ガラス設計施工指針増補版 付録 6, 日本建築防災協会, pp. 255-261, 2014
- 向川均: 地球大気の温室効果と地球温暖化, 環境学 21 世紀の教養, pp. 42-51, 2014
- 矢守克也: GENERATION TIMES: 被災地 DAYS: 時代 QUEST~災害編~, 弘文堂, 2014
- 矢守克也・宮本匠: 現場でつくる減災学—共同実践の 5 つのフロンティア, 新曜社, 2016
- 矢守克也: 「なぜこんな大きな被害に?」「コラム: 津波でんでんこ」, 巨大地震なぜ起こる? そのときどうする? 京都大学防災研究所(編) 分担執筆, 2014
- 矢守克也: 「プレビュー: 事前教育」「プレビュー: 心身のケア」「喪失とトラウマ」「状況主義と意思決定」「助け合いの心理」「防災知識の普及・啓発」, 災害情報学会(編) 災害情報学事典 朝倉書店, 2016
- 矢守克也: わかる! 取り組む! 災害と防災(1~5巻), 帝国書院, 2017
- 矢守克也: 現場でつくる減災学—共同実践の 5 つのフロンティア, 新曜社, 2016
- 矢守克也: 社会問題の社会心理学, 心理学事典 下山晴彦(編集代表), pp. 278-280, 2014
- 矢守克也: 人間科学の試み, 「災害と文明」取材班「災害と文明」, pp. 211-216, 2015
- 矢守克也: 総論: 土木計画(学)における心理学的アプローチ, 土木計画学ハンドブック, pp. 233-236, 2017
- 矢守克也: 津波対策編の改訂・追加と避難対策の充実, 災害対策全書別巻: 国難となる巨大災害に備える, pp. 54-61, 2015
- 矢守克也: 天地海人—防災・減災えっせい事典, ナカニシヤ出版, 2017
- 矢守克也: 防災教育「災害対応ハンドブック」(分担執筆), 法律文化社, pp. 165-167, 2016