

## List of Publications

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The following articles arranged in each research field were published by our faculty members during April 2019 to March 2020. Our department and/or research groups also published the following publications.

- 1) Annals of Human and Regional Geography, 42 (2020)
- 2) Studies in Human Geography, 40 (2020)

The exchanges of the publications will be gratefully acknowledged.

### [Symbols]

- J** in Japanese
- JE** in Japanese with English abstract
- The first author
- \* Researchers belonging to University of Tsukuba, not to the Doctoral Program in Geoenvironmental Sciences
- \*\* Researchers not belonging to University of Tsukuba
- \*\*\* Undergraduate students, graduate students and auditors belonging to University of Tsukuba

### [a] Human Geography

- Akiyama, C. (2020): Process of tourism resources at riverside district in Itako city, Ibaraki prefecture, Japan. *Annals of Human and Regional Geography*, **42**, 93-108. (**J**, with Sakamoto, Y. \*\*, Matsuyama, S. \*\*, Guo, Q. \*\*, Zou, S. \*\*, Obara, Y. \*\*, Kano, S. \*\*, Huang, T. \*\* and Ito, D. \*\*)
- Kubo, T. (2020): *Divided Tokyo- disparities in living conditions in the city center and the shrinking suburbs (AJG Library 11)*. Springer Singapore.
- \_\_\_\_\_ (2020): Housing supply and residential choice of residents of newly built detached houses in the suburbs of the Nagoya metropolitan area -a case study of Kani city, Gifu prefecture. *Annals of the Japan Society for Urbanology*, **52**, 131-140. (**J**, with Otsuka, T. \*\*)
- \_\_\_\_\_ (2020): Older adults' residential environments in suburban neighborhoods in Gifu city — challenges in enabling age-friendly city. *Urban Geography of Japan*, **15**, 76-90. (**JE**, with Komaki, N. \*\* and Tanaka, K. \*\*)
- \_\_\_\_\_ (2019): A review of “Neoliberal urbanism, contested cities and housing in Asia”, Edited by Yi-Ling Chen and Hyun Bang Shin. *International Journal of Housing Policy*, **19**(4), 601-603.
- Matsui, K. (2020): Changes of the Commercial Structure

- in Kashima City, Ibaraki Prefecture. *Ann. Hum. and Reg. Geogr.*, **42**, 1-29. (**J**, with Iwai, Y. \*\*\*\*, Ebisawa, H. \*\*, Murakami, R. \*\*, Oshimi, T. \*\*, Kobayashi, T. \*\*, Zhou, Y. \*\*, Hirane, Y. \*\*, He, D. \*\* and Mo, Y. \*\*)
- \_\_\_\_\_ (2020): Development and Maintenance of Kashima Coastal Industrial Zone from the Viewpoint of Regional Policy and Positioning Strategy of Company. *Ann. Hum. and Reg. Geogr.*, **42**, 59-76. (**J**, with Kawazoe, W. \*\*, Hirasawa, K. \*\*, Jian, M. \*\*, Hashizume, A. \*\* and Ji, Y. \*\*)
- \_\_\_\_\_ (2020): A Study on the Sustainment of Festival in Provincial City: A Case Study of Parishinoner's Area in Kashima-jingu Shrine. *Ann. Hum. and Reg. Geogr.*, **42**, 109-131. (**J**, with Haga, M. \*\*\*\*, Sato, D. \*\*, Wakamatsu, H. \*\*, Wan, J. \*\*, Ma, S. \*\*, Guo, S. \*\*, Kiba, K. \*\* and Uda, T. \*)
- \_\_\_\_\_ (2020): Preface. *Ann. Hum. and Reg. Geogr.*, **42**, i-ii. (**J**)
- \_\_\_\_\_ (2019): Book review: Martin, F.P. *Mountain*, trans. By Watanabe, T. and Ueno, K. Maruzen. *Jour. Geogr.*, **128**, N4-N6. (**J**)
- \_\_\_\_\_ (2019): Environmental Perception, Image and Place. In: Matsuoka, N., Tanaka, H., Sugita, N., Hattani, T., Matsui, K., Kureha, M. and Kato, H. (eds.). *Geoenvironmental Sciences, Revised Edi. (Geoscience Series 1)* Kokon Shoin, 63-70. (**J**, with Kubo, T.)
- Sakamoto, Y. (2020): Night and Landscape: Invisible Night and Experienced Darkness. *Geographical Space*, **12**, 207-226. (**JE**, with Ikeda, M. \*\*, Nakagawa, S. \*\*, Ota, K. \*\*, Sugimoto, K. \*\* and Uda, T. \*\*)
- \_\_\_\_\_ (2020): Analysis of commercial areas in terms of restaurants agglomeration and business hours: Comparison among nightlife in Shinjuku, Ginza, and Shibuya. *Geographical Space*, **12**, 227-245. (**JE**, with Sugimoto, K. \*\*, Ota, K. \*\*, Iizuka, R. \*\* and Ikeda, M. \*)
- \_\_\_\_\_ (2020): Characteristics of mountain tourism in snow-free season in Hakuba Area, Nagano Prefecture: Based on visitor analysis in mountain resort. *Studies in Human Geography*, **40**, 1-14. (**J**, with Yoshizawa, N. \*\*, Kureha, M., Yamashita, A. and Sato, D. \*\*)
- \_\_\_\_\_ (2020): Process of tourism resources at riverside district in Itako city, Ibaraki prefecture, Japan. *Annals of Human and Regional Geography*, **42**, 93-108. (**J**, with Matsuyama, S. \*\*, Guo, Q. \*\*, Zou, S. \*\*, Obara, Y. \*\*, Kano, S. \*\*, Huang, T. \*\*, Ito, D. \*\*)

and Akiyama, C.)

\_\_\_\_\_ (2020): Visualizing culture. *GIS NEXT*, **70**, 68. (J)

### [b] Regional Geography

Kureha, M. (2019): Development of winter inbound tourism in Yuzawa, Niigata: An analysis from the interview to Chinese tourists visited ski areas. *Journal of Ski Science*, **16**(1), 1-11. (JE, with Yoshizawa, N.\*\*\*)

\_\_\_\_\_ (2019): Rural area and tourism, Resort, and Skiing. In Shirasaka, S. et al. eds., *Encyclopedia of Tourism*. Asakura Shoten, 280-281, 290-291, 307-308. (J)

\_\_\_\_\_ (2020): Characteristics of mountain tourism in snow-free season in Hakuba Area, Nagano Prefecture: Based on visitor analysis in mountain resort. *Studies in Human Geography*, **40**, 1-14. (J, with Sakamoto, Y., Yoshizawa, N.\*\*\*, Yamashita, A. and Sato, D.\*\*\*)

\_\_\_\_\_ (2020): Ski area and rural mountainous region. In Inui, T. eds., *Geographical Recognition in Japanese Rural Areas with Fieldwork*. Kokon Shoin, 92-109. (J)

Tsutsumi, J. (2019): Chapter 9: Australia -Regional geography focusing on multiculturalism-. In Yagasaki, N., Kagami, M. and Ushigaki, Y. eds. *Introduction to Regional Geography 2nd Edition – Basic Geography Series*, Asakura Shoten, Tokyo, 82-91. (J)

\_\_\_\_\_ (2020): Chapter 8: Melbourne in Australia -Intensification of urban functions in accordance with rapid population growth-. In Taniguchi, M. ed. *Compact city in the world - Mechanism and effect of smart shrinking cities*, Gakugei Shuppan, Kyoto, 216-248. (J)

Yamashita, A. (2019): Changes in store composition in central commercial areas of a local city in South Korea: A case study of Yangsan city in Busan metropolitan area. *Urban Geography of Japan*, **14**, 76-88. (J, with Kaneko, J.\*\*\*, Yamamoto, T.\*\*\*, Hashimoto, A.\*\*, Lee, H.\*\*, Komaki, N.\*\* and Jeon, J.\*\*)

\_\_\_\_\_ (2020): Characteristics of mountain tourism in snow-free season in Hakuba Area, Nagano Prefecture: Based on visitor analysis in mountain resort. *Studies in Human Geography*, **40**, 1-14. (J, with Sakamoto, Y., Yoshizawa, N.\*\*\*, Kureha, M. and Sato, D.\*\*\*)

\_\_\_\_\_ (2020): Creating land use mesh data based on Japanese military maps in Hanoi, French Indochina. *Studies in Human Geography*, **40**, 15-24. (J, with Oshimi, T.\*\*\*, Obara, Y.\*\*\* and Sasaki, R.\*\*\*)

### [c] Spatial Information Science

Kusaka, H. (2019): The “Karakkaze” Local Wind as a Convexity Wind: A Case Study using Dual-Sonde Observations and Numerical Simulations. *SOLA*, **15**, 160-165. DOI: <https://doi.org/10.2151/sola.2019-029>. (with Nishi, A.\*\*\*)

\_\_\_\_\_ (2019) A climatological study of the strongest local winds of Japan “Inami-kaze”. *International Journal of Climatology*, **40**, 1007-1021. DOI: 10.1002/joc.6252 (with Koyanagi, T.\*\*\*)

\_\_\_\_\_ (2019): Impacts of Land Use and Human Activity on Spatial-Pattern Characteristics of Temperature and Heat Index in Central Area of City. *E-Journal GEO*, **14**(1), 180-196. DOI: <https://doi.org/10.4157/ejgeo.14.180>. (JE, with Igari, K.\*\*, Kokubo, R.\*\*, Sato, T.\*\*\*, Doan, V. Q.\*\*) )

\_\_\_\_\_ (2019): A Climatological Study of the Local “Karakkaze” Wind, with a Focus on Temperature Change. *SOLA*, **15**, 149-153. DOI: <https://doi.org/10.2151/sola.2019-027> (with Nishi, A.\*\*\*)

\_\_\_\_\_ (2019): Usability and Challenges of Offshore Wind Energy in Vietnam Revealed by the Regional Climate Model Simulation. *SOLA*, **15**, 113-118. DOI: 10.2151/sola.2019-021 (with Doan, V. Q.\*\*, Dinh, V. N.\*\*, Cong, T.\*\*, Khan, A.\*\*, Toan, D. V.\*\*, and Duc, N. D.\*\*) )

\_\_\_\_\_ (2019): Contributions of Foehn and Urban Heat Island to the Extreme High-Temperature Event in Niigata City during the Night of 23–24 August 2018. *SOLA*, **15**, 132-136. DOI: <https://doi.org/10.2151/sola.2019-024> (with Nishi, A.\*\*\*,

Vitanova, L. L.\*\*, and Imai, Y.\*\*) )

\_\_\_\_\_ (2019): Roles of past, present, and future land use and anthropogenic heat release changes on urban heat island effects in Hanoi, Vietnam: Numerical experiments with a regional climate model. *Sustainable Cities and Society*, **47**, DOI: 10.1016/j.scs.2019.101479 (with Doan, V. Q. and Nguyen, T. M.\*\*) )

\_\_\_\_\_ (2019): Interaction of urban heat islands and heat waves under current and future climate conditions and their mitigation using green and cool roofs in New York City and Phoenix, Arizona. *Environmental Research Letters*, **14**, DOI: 10.1088/1748-9326/aaf431 (with Tewari, M.\*\*, Yang, J.\*\*, Salamanca, F.\*\*, Watson, C.\*\*, and Treinish, L.\*\*) )

\_\_\_\_\_ (2019): Development of a multilayer urban canopy model combined with a ray tracing algorithm. *SOLA*, **15**, 37-40. DOI: 10.2151/sola.2019-008 (with Doan, V. Q.\*\*) )

\_\_\_\_\_ (2019): Numerical Study of the Urban Heat Is-

- land in Sendai City with Potential Natural Vegetation and the 1850s and 2000s Land-Use Data. *Journal of the Meteorological Society of Japan*, **97**(1), 227-252. DOI: 10.2151/jmsj.2019-013 (with Vitanova, L. L.<sup>\*\*\*\*</sup>, Doan, V. Q.<sup>\*\*</sup> and Nishi, A.<sup>\*\*\*</sup>)
- \_\_\_\_\_ (2019): Comparison of Spatial Pattern and Mechanism between Convexity and Gap Winds. *SOLA*, **15**, 12-16. DOI: 10.2151/sola.2019-003 (with Nishi, A.<sup>\*\*\*\*</sup>)
- \_\_\_\_\_ (2019): Effect of Foehn Wind on Record-Breaking High Temperature Event (41.1 degrees C) at Kumagaya on 23 July 2018. *SOLA*, **15**, 17-21. DOI: 10.2151/sola.2019-004 (with Nishi, A.<sup>\*\*\*\*</sup>)
- \_\_\_\_\_ (2019): Simulating micro-scale thermal interactions in different building environments for mitigating urban heat islands. *Science of the Total Environment*, **663**, 610-631. DOI: 10.1016/j.scitotenv.2019.01.299 (with Chatterjee, S.<sup>\*\*\*</sup>, Khan, A.<sup>\*\*</sup>, Dinda, A.<sup>\*\*</sup>, Mithun, S.<sup>\*\*</sup>, Khatun, R.<sup>\*\*</sup>, Akbari, H.<sup>\*\*</sup>, Mitra, C.<sup>\*\*</sup>, Bhatti, S. S.<sup>\*\*</sup>, Doan, V. Q.<sup>\*\*</sup> and Wang, Y.<sup>\*\*</sup>)
- \_\_\_\_\_ (2019): Application of mesoscale ensemble forecast method for prediction of wind speed ramps. *Wind Energy*, **22**(4), 499-508. DOI: 10.1002/we.2302 (with Doan, V. Q.<sup>\*\*</sup>, Matsueda, M.<sup>\*</sup> and Ikeda, R.<sup>\*</sup>)
- \_\_\_\_\_ (2019): Numerical approach for studying offshore wind power potential along the southern coast of Vietnam. *Lecture Notes in Civil Engineering*, **18**, 245-249. DOI: 10.1007/978-981-13-2306-5\_33 (with Doan, V. Q.<sup>°</sup>, Du, T. V.<sup>\*\*</sup>, Nguyen, D. D.<sup>\*\*</sup> and Cong, T.<sup>\*\*</sup>)
- \_\_\_\_\_ (2019): Impacts of urban expansion on fog types in Shanghai, China: numerical experiments by WRF model. *Atmospheric Research*, **220**, 57-74. DOI: 10.1016/j.atmosres.2018.12.026 (with Gu, Y.<sup>\*\*\*</sup>, Doan, V. Q. and Tan, J.<sup>\*\*</sup>)
- \_\_\_\_\_ (2019): Effect of mountain convexity on the locally strong “Karakaze” wind. *J. Meteor. Soc. Japan*, **97**(4), 787-803. DOI: 10.2151/jmsj.2019-044 (with Nishi, A.<sup>\*\*\*\*</sup>)
- \_\_\_\_\_ (2019): Urban Impacts on Spatiotemporal Pattern of Short-Duration Convective Precipitation in a Coastal City Adjacent to a Mountain range. *Quart. J. Roy. Meteor. Soc.*, **145**, 2237-2254. DOI: 10.1002/qj.3555 (with Nishi, A.<sup>\*\*\*</sup>, Mizunari, M.<sup>\*\*\*</sup>, Yokoyama, H.<sup>\*\*</sup>)
- Morimoto, T. (2019): Impacts of Land Cover/Use on the Urban Thermal Environment: A Comparative Study of 10 Megacities in China. *Remote Sensing*, **12**(2), 307. DOI: 10.3390/rs12020307 (with Liu, F.<sup>\*\*\*\*</sup>, Zhang, X.<sup>\*\*</sup> and Murayama, Y.<sup>\*</sup>)
- \_\_\_\_\_ (2020): Optimal Location Analysis of Delivery Parcel-Pickup Points Using AHP and Network Huff Model: A Case Study of Shiweitang Sub-District in Guangzhou City, China. *ISPRS Int. J. Geo-Inf.*, **9**(4), 193. DOI: 10.3390/ijgi9040193 (with Zheng, Zilai.<sup>\*\*\*\*</sup> and Murayama, Y.<sup>\*</sup>)
- \_\_\_\_\_ (2019): Spatial Process of Surface Urban Heat Island in Rapidly Growing Seoul Metropolitan Area for Sustainable Urban Planning Using Landsat Data (1996–2017). *Climate*, **7**(9), 110. DOI: 10.3390/cli7090110.(with Priyankara, P.<sup>\*\*\*\*</sup>, Ranagalage, M.<sup>\*</sup>, Dissanayake, D.<sup>\*\*\*</sup> and Murayama, Y.<sup>\*</sup>)
- \_\_\_\_\_ (2019): Impact of Landscape Structure on the Variation of Land Surface Temperature in Sub-Saharan Region: A Case Study of Addis Ababa using Landsat Data (1986–2016). *Sustainability*, **11**, 2257. DOI: 10.3390/su11082257 (with Dissanayake, D.<sup>\*\*\*\*</sup>, Murayama, Y.<sup>\*</sup> and Ranagalage, M.<sup>\*</sup>)
- \_\_\_\_\_ (2019): Land-Use/Land-Cover Changes and Their Impact on Surface Urban Heat Islands: Case Study of Kandy City, Sri Lanka. *Climate* **7**, 99. DOI: 10.3390/cli7080099. (with Dissanayake, D.<sup>\*\*\*\*</sup>, Ranagalage, M.<sup>\*</sup> and Murayama, Y.<sup>\*</sup>)

#### [d] Hydrologic Sciences

- Asanuma, J. (2019): Uncertainty of Reference Pixel Soil Moisture Averages Sampled at SMAP Core Validation Sites. *Journal of Hydrometeorology*, **20**(8), 1553-1569. (with Chen, F.<sup>\*\*\*</sup>, Crow, W.T.<sup>\*\*</sup>, Cosh, M.H.<sup>\*\*</sup>, Colliander, A.<sup>\*\*</sup>, Berg, A.<sup>\*\*</sup>, Bosch, D.D.<sup>\*\*</sup>, Caldwell, T.G.<sup>\*\*</sup>, Collins, C.H.<sup>\*\*</sup>, Jensen, K.H.<sup>\*\*</sup>, Martinez-Fernández, J.<sup>\*\*</sup>, McNairn, H.<sup>\*\*</sup>, Starks, P.J.<sup>\*\*</sup>, Su, Z.<sup>\*\*</sup> and Walker, J.P.<sup>\*\*</sup>)
- \_\_\_\_\_ (2019): Evaluation of the AMSR2 L2 soil moisture product of JAXA on the Mongolian Plateau over seven years (2012 - 2018). *SN Applied Sciences*, **1**(11) Springer Science and Business Media LLC. (with Kaihotsu, I.<sup>°</sup>, Aida, K.<sup>\*\*</sup> and Oyunbaatar, D.<sup>\*\*</sup>)
- Sugita, M. (2020): Spatial variability of the surface energy balance of Lake Kasumigaura and implications for flux measurements. *Hydrological Sciences Journal*, **65**, 410-414.
- Tsujimura, M. (2019): Six-year monitoring study of <sup>137</sup>Cs discharge from headwater catchments after the Fukushima Dai-ichi Nuclear Power Plant accident. *Journal of Environmental Radioactivity*, **210**, <https://doi.org/10.1016/j.jenvrad.2019.106001> (with Iwagami, S.<sup>\*\*\*</sup>, Onda, Y.<sup>\*</sup>, Sakakibara, K.<sup>\*\*</sup>, Sato, Y.<sup>\*\*\*</sup>, Konuma, R.<sup>\*\*\*</sup>, Nishino, M.<sup>\*\*\*</sup> and Abe, Y.<sup>\*</sup>)
- \_\_\_\_\_ (2019): Filtration and exposure to benzalkonium chloride or sodium chloride to preserve water

samples for dissolved inorganic carbon analysis. *Geochemical Journal*, **53**, 305-318. (with Takahashi, H.\*\*\*, Handa, H.\*\* , Sugiyama, A.\*\*\* , Matsushita, M.\*\* , Kondo, M.\*\* and Kimura, H.\*\*)

\_\_\_\_\_ (2019): Groundwater age and mixing process for evaluation of radionuclide impact on water resources following the Fukushima Dai-ichi nuclear power plant accident. *Journal of Contaminant Hydrology*, **223**, <https://doi.org/10.1016/j.jconhyd.2019.03.006>. (with Sakakibara, K.\*\*\* , Iwagami, S.\*\* , Abe, Y.\*\* , Hada, M.\*\*\* and Pun, I.\*\*\*)

\_\_\_\_\_ (2019): Dissolved <sup>137</sup>Cs concentrations in stream water and subsurface water in a forested headwater catchment after the Fukushima Dai-ichi Nuclear Power Plant accident. *Journal of hydrology*, **573**, 688-696. (with Iwagami, S.\*\* , Onda, Y.\* , Konuma, R.\*\*\* , Sato, Y.\*\*\* , Sakakibara, K.\*\* and Yoschenko, V.\*\*)

Yamanaka, T. (2019): Hydrological cycle overlooked by isotopic tracers. *Kagaku*, **89**(8), 683-685.

#### [e] Atmospheric Science

Tanaka, H. L. (2019): Numerical simulations of volcanic ash plume dispersal for Sakura-jima using real-time emission rate estimation. *Journal of Disaster Research*, **14**(1), 160-172. (with Iguchi, M.\*\*)

\_\_\_\_\_ (2019): Integrated monitoring of volcanic ash and forecasting at Sakurajima volcano, Japan. *Journal of Disaster Research*, **14**(5), 798-809. (with Iguchi, M.\*\*\*)

\_\_\_\_\_ (2019): Time series analysis of normal mode energetics for Rossby wave breaking and saturation using a simple barotropic mode. *Atmospheric Science Letters*, DOI: 10.1002/asl.940, (with Matsunobu, T.\*\*\*)

Ueda, H. (2019): Tropics-origin remote forcing on wintertime snowfall variations in Japan, *Meteorological study Note*, **240**, 105-113 (*J*, with Kibe, A.\*\*\* , Saitoh, M.\*\*\* and Inoue, T.\*\*)

\_\_\_\_\_ (2019): Relationship between El Niño and South-coast cyclone in Japan, *Meteorological Study Note*, **240**, 114-118. (*J*, with Amagai, Y.\*\*\* and Hayasaki, M.\*\*)

\_\_\_\_\_ (2019): Variations of snowfall and sea-ice in the Northeast Asia relevant to tropical SSTs, Siberian high and Aleutian low. *The 27th IUGG General Assembly*, Montreal, Canada. (with Maesaki, K.\*\*\* and Hayasaki, M.\*\*)

\_\_\_\_\_ (2019): Trans-basin interaction between the Indian and Pacific Ocean involved in the regulation of tropical SST. *extended abstract, Workshop for the*

*seasonal prediction.* (*J*, with Tanji, N.\*\*\*)

\_\_\_\_\_ (2019): On the startup of “Society of climate formation and variation.” *Tenki*, **66**, 630. (*J*)

Ueno, K. (2019): Continuous heavy precipitation with a winter occluding cyclone captured by GPM satellite in central Japan. *Tsukuba Geoenvironmental Sciences*, **15**, 1-11. (with Sawada, M.\*\*\* and Anzai, R.\*\*)

\_\_\_\_\_ (2019): Precipitation systems interacted with surface conditions over the TP. *International workshop on cryosphere and water cycle observation-modeling integration over third pole*. Beijing, China. Abstract p27.

Matsueda, M. (2019): Ocean observations to improve our understanding, modeling, and forecasting of subseasonal-to-seasonal variability. *Front. Mar. Sci.* doi:10.3389/fmars.2019.00427. (with Subramanian, A.\*\*\* , Balmaseda, M. A.\*\* , Chattopadhyay, R.\*\* , Centurioni, L. R.\*\* , Cornuelle, B. D.\*\* , DeMott, C.\*\* , Hamill, T.\*\* , Hendon, H.\*\* , Hoteit, I.\*\* , Flatau, M.\*\* , Fujii, Y.\*\* , Gille, S. T.\*\* , Kumar, A.\*\* , Lee, J. -H.\*\* , Lucas, D.\*\* , Mahadevan, A.\*\* , Nam, S. H.\*\* , Paturi, S.\*\* , Penny, S. G.\*\* , Rydbeck, A.\*\* , Sun, R.\*\* , Tandon, A.\*\* , Takaya, Y.\*\* , Todd, R. E.\*\* , Vitart, F.\*\* , Yuan, D.\*\* and Zhang, C.\*\*)

\_\_\_\_\_ (2019): The Sensitivity of Euro-Atlantic Regimes to Model Horizontal Resolution *Geophys. Res. Lett.*, **46**, 7810-7818. doi:10.1029/2019GL082843. (with Strommen, K.\*\*\* , Mavilia, I.\*\* , Corti, S.\*\* , Davini, P.\*\* , von Hardenberg, J.\*\* , Vidale, P. L.\*\* , and R. Mizuta, R.\*\*)

\_\_\_\_\_ (2019): Assessing the predictability of heavy rainfall events in Japan in early July 2018 on medium-range timescales. *SOLA*, **15A**, 19-24. doi:10.2151/sola.15A-004. (with Matsunobu, T.\*\*)

\_\_\_\_\_ (2019): Skill of Medium-range Reforecast for Summertime Extraordinary Arctic Cyclones in 1986-2016. *Polar science*, **20**, 107-116. doi:10.1016/j.polar.2019.02.003. (with Yamagami, A.\*\*)

Harada, M. (2019): Planktonic adaptive evolution to the sea surface temperature in the Neoproterozoic inferred from ancestral NDK of marine cyanobacteria. *Earth Planet. Sci. Lett.*, **522**, 98-106. (with Nagano, A.\*\* , Yagi, S\*\* , Furukawa, R.\*\* , Yokobori, S.\*\* and Yamagishi, A.\*\*)

#### [f] Geomorphology

Hattanji, T. (2019): Preface: Frontiers in geomorphology - Rock weathering and landscape evolution. *Transactions, Japanese Geomorphological Union*, **40**, 201-202. (with Waragai, T.\*\*\* and Oguchi, C.T.\*\*)

\_\_\_\_\_ (2019): Limestone weathering and doline

evolution: A field experiment in the Akiyoshi-dai Plateau. *Transactions, Japanese Geomorphological Union*, **40**, 229-241. (with Nawata, A. <sup>\*\*\*</sup>)

\_\_\_\_\_ (2019): Prior assessment of the linkage of biological cover, surface strength, and exfoliation: A case of the first gallery in Angkor Wat Temple, Cambodia. *Transactions, Japanese Geomorphological Union*, **40**, 309-323. (with Song, W. <sup>\*\*\*</sup> Waragai, T. <sup>\*\*</sup> and Oguchi, C.T. <sup>\*</sup>)

\_\_\_\_\_ (2019): Frequent shallow landslides in recent years: From a perspective of geomorphology. *Kagaku*, **89**, 870-871. (**J**)

\_\_\_\_\_ (2020): Evaluation of shallow landslide potential using SHALSTAB and 1-m DEM: A case study of the Tsurugi-kawa drainage basin, Hofu City, Yamaguchi, Japan. *Regional Views*, **89**, 870-871. (**JE** with Tanaka, Y. <sup>\*\*\*</sup>, Yakashita, K. <sup>\*\*</sup>, Furuichi, T. <sup>\*\*</sup> and Doshida, S. <sup>\*\*</sup>)

Matsuoka, N. (2019): A multi-method monitoring of timing, magnitude and origin of rockfall activity in the Japanese Alps. *Geomorphology*, **336**, 65-76.