

List of Publications

The following articles arranged in each research field were published by our faculty members during April 2022 to March 2023. Our department and/or research groups also published the following publications.

- 1) Annals of Human and Regional Geography, 45 (2023)
- 2) Studies in Human Geography, 41 (2023)

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 the University of Tsukuba, not to Geoenvironmental Science Field

** Researchers not belonging to the University of Tsukuba

*** Undergraduate students, graduate students and auditors belonging to University of Tsukuba

[a] Human Geography

Kubo, T. (2022): Overview of housing market and residential environmental issues in the Tokyo metropolitan area: urban geographical perspectives. *Urban Housing Sciences*, **113**, 4-9. (*J*)

_____ (2022): Changes in the Suburbs: Beyond Aging and Urban Shrinkage. *Geographical Space*, **15**, 279-282. (*JE*)

_____ (2022): Belonging of Elderly People in Suburban Residential Area: A Case of Ryugasaki New Town. *Geographical Space*, **15**, 283-293. (*JE*, with Iwai, Y.^{◦*}, Okada, K.^{**} and Nakamura, M.^{***})

_____ (2022): Differences of Neighborhood Associations and Social Relationships among Districts and Genders: A Case of Ryugasaki New Town. *Geographical Space*, **15**, 295-308. (*JE*, with Usui, H.^{◦**}, Ishii, K.^{**}, Uno, H.^{**}, Wang, Y.^{**}, Hong, J.^{**}, Matsui, A.^{**}, Sasaki, Y.^{**} and Mao, Y.^{**})

_____ (2022): Analysis of Older Adults' Daily Behavior amid the COVID-19 Pandemic in Japan: A Case of Ryugasaki City on the Outskirts of Tokyo. *Geographical Space*, **15**, 309-320. (*JE*, with Shimizu, Y.^{◦**} and Mao, Y.^{**})

_____ (2022): Changes in the Relationship among Family, Housing and Welfare: A Case of Ryugasaki City. *Geographical Space*, **15**, 321-331. (*JE*, with

Shimizu, Y.^{◦**}, Mao, Y.^{**} and Iwai, Y.^{**})

_____ (2022): Ideas for Enabling Comfortable and Sustainable Cities for Everyone: Beyond Aging and Shrinking Cities. *Geographical Space*, **15**, 333-335. (*J*)

Matsui, K. (2022): World Cultural Heritage and Christian Tourism in the Goto Islands. In Hiraoka, A., Suyama, S., Miyauchi, H. and Sukesige T. eds., *Insularity and Geographic Diversity of the Peripheral Japanese Islands*. Springer, 219-253.

_____ (2023): Culture. In The Association of Japanese Geographers. eds., *The Encyclopedia of Geography*. Maruzen Shuppan, 344-377. (*J*)

_____ (2023): History. In The Association of Japanese Geographers. eds., *The Encyclopedia of Geography*. Maruzen Shuppan, 436-467. (*J*)

_____ (2023): Sightseeing, Tourism and Leisure activities. In The Association of Japanese Geographers. eds., *The Encyclopedia of Geography*. Maruzen Shuppan, 628-641. (*J*)

_____ (2023): Impact of Regional Revitalization through Art Events on Residents -Case Study of Setouchi Triennale 2022-. *Tsukuba studies in Human Geography*, **41**, 1-9. (*J*, with Wang, Y.^{◦**}, Sakamoto, Y.^{**}, Fu, K.^{**}, Kawazoe, W.^{**}, Usui, H.^{**}, Suzuki, S.^{**}, Nakayama, A.^{**}, Liu, Y.^{**}, Ayada, Y.^{**} and Sugitani, H.^{**})

_____ (2023): Factors in the Continuation of the Olive Industries in Shodoshima Island. *Tsukuba studies in Human Geography*, **41**, 11-26. (*J*, with Nakayama, A.^{◦**}, Kawazoe, W.^{**}, Suzuki, S.^{**}, Usui, H.^{**}, Sakamoto, Y.^{**}, Wang, Y.^{**}, Fu, K.^{**}, Liu, Y.^{**}, Ayada, Y.^{**} and Sugitani, H.^{**})

_____ (2023): Development and Characteristics of Tourism Resource Utilization on Remote Islands: A Case Study of Shodoshima Shoyu no Sato. *Tsukuba studies in Human Geography*, **41**, 27-38. (*J*, with Fu, K.^{◦**}, Kawazoe, W.^{**}, Wang, Y.^{**}, Nakayama, A.^{**}, Suzuki, S.^{**}, Usui, H.^{**}, Sakamoto, Y.^{**}, Liu, Y.^{**}, Ayada, Y.^{**} and Sugitani, H.^{**})

_____ (2023): Changes of Religious Tourism on Shodoshima Island and the Characteristics of Pilgrims' Experiences. *Tsukuba studies in Human Geography*, **41**, 39-54. (*J*, with Kawazoe, A.^{◦**}, Liu, Y.^{**}, Sakamoto, Y.^{**}, Suzuki, S.^{**}, Usui, H.^{**}, Nakayama, A.^{**}, Fu, K.^{**}, Wang, Y.^{**}, Ayada, Y.^{**} and Sugitani, H.^{**})

- _____ (2023): Acceptance of Informal Support for Child-rearing Households in Tonosho town, Kagawa Prefecture: Focusing on Residential Careers and Social Relations of Child-rearing Households. *Tsukuba studies in Human Geography*, **41**, 55-67. (J, with Usui, H.^{***}, Suzuki, S.^{***}, Sakamoto, Y.^{**}, Kawazoe, W.^{**}, Nakayama, A.^{***}, Fu, K.^{***}, Wang, Y.^{***}, Liu, Y.^{***}, Ayada, Y.^{**} and Sugitani, H.^{**})
- _____ (2023): Life Course and Career of Local Vitalization Cooperator in Tonosho town, Kagawa Prefecture. *Tsukuba studies in Human Geography*, **41**, 69-75. (J, with Suzuki, S.^{***}, Usui, H.^{***}, Kawazoe, W.^{**}, Sakamoto, Y.^{**}, Nakayama, A.^{***}, Wang, Y.^{***}, Fu, K.^{***}, Liu, Y.^{***}, Ayada, Y.^{**} and Sugitani, H.^{**})

[b] Regional Geography

- Kureha, M. (2022): Learning about tourism of the world and Japan for deepening in the subject “advanced geography”. *Chiri Geppo*, **566**, 2-5. (J)
- _____ (2022): Hallstatt: Registering as a World Heritage Site and overtourism. *New Shakaika*, **2022** (1), 3. (J)
- _____ (2023): Tourism and sustainability. In the Association of Japanese Geographers ed., *The Encyclopedia of Geography*. Maruzen Pub., 648-649. (J)
- _____ (2023): Changing use of communal shared bath and its factors in Asama Onsen, Nagano, Japan. *Annals of Human and Regional Geography*, **45**, 1-13. (J, with Kurosawa, S.^{***}, Yoshino, H.^{***}, Kakinuma, Y.^{***}, Xiao, J.^{**}, Shen, Y.^{**} and Ishii, K.^{***})
- Tsutsumi, J. (2022): Beppu Bay, Japan, as a candidate Global boundary Stratotype Section and Point for the Anthropocene series. *The Anthropocene Review*, **10**(1), <https://doi.org/10.1177/20530196221135077>. (with Kuwae, M.^{***}, Finney, B. P.^{**}, Shi, Z.^{*}, Sakaguchi, A.^{*}, Tugeki, N.^{**}, Omori, T.^{**}, Agusa, T.^{**}, Suzuki, Y.^{**}, Yokoyama, Y.^{**}, Hinata, H.^{**}, Hatada, Y.^{**}, Inoue, J.^{**}, Matsuoka, K.^{**}, Shimada, M.^{**}, Takahara, H.^{**}, Takahashi, S.^{**}, Ueno, D.^{**}, Amano, A.^{**}, Yamamoto, M.^{**}, Takemura, K.^{**}, Yamada, K.^{**}, Ikehara, K.^{**}, Haraguchi, T.^{**}, Tims, S.^{**}, Froehlich, M.^{**}, Fifield, L. K.^{**}, Aze, T.^{**}, Sasa, K.^{*}, Takahashi, T.^{*}, Matsumura, M.^{*}, Tani, Y.^{**}, Leavitt, P. R.^{**}, Doi, H.^{**}, Irino, T.^{**}, Moriya, K.^{**}, Hayashida, A.^{**}, Hirose, K.^{**}, Suzuki, H.^{**} and Saito, Y.^{**})
- _____ (2022): Socio-economic characteristics of Melbourne Metropolitan Area by using census

- customized data. *Estrela*, **343**, 9-14. (J)
- Yamashita, A. (2023): Awareness of animal damages by local residents and their involvement in countermeasures in Matsumoto City, Nagano Prefecture: case study of the Shiga District and Nagawa District. *Annals of Human and Regional Geography*, **45**, 51-72. (J, with Hashimoto, M.^{***}, Sasaki, Y.^{***} and Harada, K.^{***})
- _____ (2023): Regional characteristics of Wasabi farm waterway network based on spring water and its management in Hotaka District, Azumino City. *Annals of Human and Regional Geography*, **45**, 73-86. (J, with Nakamura, M.^{***}, Kawahara, K.^{**} and Maeno, Y.^{***})

[c] Spatial Information Science

- Kusaka, H. (2022): Mesoscale and local-scale climatology of extreme temperature events in Niigata, Japan. *Int. J. Climatol.*, **42**, 9897-9908. (with Nishi, A.^{**} and Nakamura, S.^{***})
- _____ (2022): Development of a wind power ramp forecasting system via meteorological pattern analysis. *Wind Energy*, **11**, 1900-1916. (with Okada, M.^{**}, Yamaguchi, K.^{**}, Kodama, R.^{**}, Ogasawara, N.^{**}, Kato, H.^{**}, Doan, V. Q.^{**}, and Ishizaki, N. N.^{**})
- _____ (2022): Future changes of the extreme high-temperature events influenced by foehn winds in Niigata, Japan. *Atmos. Res. Letters*, e1137. (with Nishi, A.^{***})
- _____ (2022): UV parasol, dry-mist spraying, and street trees as tools for heat stress mitigation. *J. Meteor. Soc. Japan*, **100**, 677-685. (with Nakamura, Y.^{*} and Asano, Y.^{***})
- _____ (2022): Climatological study of airflow channeling in relation to surface geostrophic wind. *Meteor. Applications*, **28**, e2082. (with Sato, R.^{***})
- _____ (2022): Quantile mapping correction of analog ensemble forecast for solar irradiance. *Solar Energy*, **237**, 253-263. (with Kakimoto, M.^{***}, Shigeta, Y.^{**}, Shin, H.^{**} and Ikeda, R.^{**})
- _____ (2022): Effect of walking in heat-stressful outdoor environments in an urban setting on cognitive performance indoors. *Building and Environment*, **213**, 108893. (with Asano, Y.^{***}, Nakamura, Y.^{*} and Suzuki-Parker, A.^{**})
- _____ (2022): Spatial structure and formation mechanism of local winds “Suzuka-oroshi” at the foothills of Suzuka mountains, Japan. *J. Meteor. Soc. Japan*, **100**, 751-766. (with Yamada, S.^{***})
- _____ (2022): Study on the effect of global warming on typhoon characteristics at landfall in Japan.

- Wind Engineering Research*, **27**, 126-133. (JE., with Azegami, Y.^{****}, Otake, K.^{**} and Tanaka, H.^{**})
- _____ (2022): Identifying a new normal in extreme precipitation at a city scale under warmer climate regimes: A case study of the Tokyo metropolitan area, Japan. *J. Geophys. Res. Atmosphere*, **127**. <https://doi.org/10.1029/2022JD036810>. (with Doan, Q. V.^{***}, Chen, F.^{**}, Wang, J.^{**}, Kajino, M.^{**}, and Takemi, T.^{**})
- _____ (2023): An Advection Fog Event Response to Future Climate Forcing in the 2030s – 2080s: A case study for Shanghai. *Frontiers in Earth Science*. (with Gu, Y.^{***} and Doan, Q. V.^{**})
- Matsushita, B. (2023): GLORIA - A globally representative hyperspectral in situ dataset for optical sensing of water quality. *Scientific Data*, 1-14, <https://doi.org/10.1038/s41597-023-01973-y>. (with Lehmann, M. K.^{**}, Gurlin, D.^{**}, Pahlevan, N.^{**}, Alikas, K.^{**}, Anstee, J.^{**}, Balasubramanian, S. V.^{**}, Barbosa, C. C. F.^{**}, Binding, C.^{**}, Bracher, A.^{**}, Bresciani, M.^{**}, Burtner, A.^{**}, Cao, Z.^{**}, Dekker, A. G.^{**}, Drayson, N.^{**}, Errera, R. M.^{**}, Fernandez, V.^{**}, Fichot, C. G.^{**}, Gege, P.^{**}, Giardino, C.^{**}, Gitelson, A. A.^{**}, Greb, S. R.^{**}, Henderson, H.^{**}, Higa, H.^{**}, Irani Rahaghi, A.^{**}, Jamet, C.^{**}, Jiang, D.^{**}, Kangro, K.^{**}, Kudela, R.^{**}, Li, L.^{**}, Ligi, M.^{**}, Loisel, H.^{**}, Lohrenz, S.^{**}, Ma, R.^{**}, Maciel, D. A.^{**}, Malthus, T. J.^{**}, Minaudo, C.^{**}, Mishra, D. R.^{**}, Mishra, S.^{**}, Moore, T.^{**}, Moses, W. J.^{**}, Nguyễn, H.^{**}, Novo, E. M. L. M.^{**}, Novoa, S.^{**}, Odermatt, D.^{**}, O'Donnell, D. M.^{**}, Olmanson, L. G.^{**}, Ondrusek, M.^{**}, Oppelt, N.^{**}, Pereira Filho, W.^{**}, Plattner, S.^{**}, Ruiz Verdú, A.^{**}, Salem, S. I.^{**}, Schalles, J. F.^{**}, Simis, S. G. H.^{**}, Siswanto, E.^{**}, Smith, B.^{**}, Somlai-Schweiger, I.^{**}, Soppa, M. A.^{**}, Spyrakos, E.^{**}, van der Woerd, H. J.^{**}, Vander Woude, A.^{**}, Vantrepotte, V.^{**}, Wernand, M. R.^{**}, Werther, M.^{**}, Yue, L.^{**}, Jordan, T.^{**}, Kravitz, J. A.^{**}, Kristoffersen, A. S.^{**}, Matthews, M.^{**}, Tessin, E.^{**}, Vandermeulen, R. A.^{**}, Ficek, D.^{**}, Di Vittorio, C.^{**} and Young, K.^{**})
- _____ (2022): Mapping Multi-Decadal Mangrove Extent in the Northern Coast of Vietnam Using Landsat Time-Series Data on Google Earth Engine Platform. *Remote Sensing*, **14**, 4664, <https://doi.org/10.3390/rs14184664>. (with Vu, T. T. P.^{****}, Pham, T. D.^{**}, Saintilan, N.^{**}, Skidmore, A.^{**}, Luu, H. V.^{**}, Vu, Q. H.^{**}, Le, N. N.^{**} and Nguyen, H. Q.^{**})
- _____ (2022): Water temperature and some water quality in Lake Toba, a tropical volcanic lake. *Limnology*, **24**(1), 61-69, <https://doi.org/10.1007/s10201-022-00703-4>. (with Fukushima, T.^{***}, Setiawan, F.^{**}, Subehi, L.^{**} and Jiang, D.^{**})
- _____ (2022): Quantitative assessment of decadal water temperature changes in Lake Kasumigaura, a shallow turbid lake, using a one-dimensional model. *Science of the Total Environment*, **845**, 157247, 1-10. (with Fukushima, T.^{***} and Sugita, M.^{*})
- _____ (2022): Remote estimation of phytoplankton primary production in clear to turbid waters by integrating a semi-analytical model with a machine learning algorithm. *Remote Sensing of Environment*, **275**, 113027, 1-22. (with Li, Z.^{**}, Yang, W.^{**} and Kondoh, A.^{**})
- _____ (2022): Convection of waters in Lakes Maninjau and Singkarak, tropical oligomictic lakes. *Limnology*, **23**, 375-383, <https://doi.org/10.1007/s10201-021-00686-8>. (with Fukushima, T.^{***}, Setiawan, F.^{**}, Subehi, L.^{**}, Fakhrudin, M.^{**}, Triwisesa, E.^{**} and Dianto, A.^{**})
- Morimoto, T. (2022): Evaluating Regional Flood Disaster Resilience Based on the DROP Model and TOPSIS Method: A Case Study of the Katsushika Ward, Tokyo. *Natural Hazards Review*, **23**(3). DOI: 10.1061/(ASCE)NH.1527-6996.0000551. (with Lianxiao^{***}, Tong, S.^{**}, Chang, A.^{**}, Bao, Y.^{**} and Guo, F.^{**})
- _____ (2022): The Endogenous Development Mechanism of the Baiyankeng Geocultural Village in China. *Land*, **11**(9), 1472. DOI: 10.3390/land11091472. (with Zhao, W.^{***})
- _____ (2022): A Three-Dimensional Investigation of Spatial Relationship between Building Composition and Surface Urban Heat Island. *Buildings*, **12**(8), 1240. DOI: 10.3390/buildings12081240. (with Wang, R.^{**}, Hou, H.^{**} and Murayama, Y.^{*})
- _____ (2022): Assessing Surface Urban Heat Island Related to Land Use/Land Cover Composition and Pattern in the Temperate Mountain Valley City of Kathmandu, Nepal. *Remote Sensing*, **14**(16), 4047. DOI: 10.3390/rs14164047. (with Siri, K.^{****}, Athukorala, D.^{**} and Murayama, Y.^{*})
- _____ (2023): Agricultural Lands Risk Assessment Using Geo-spatial Techniques: A Case Study of Victoria Catchment Area (VCA), Sri Lanka. *Proceedings of the General Meeting of the Association of Japanese Geographers*, **103**(2023s), 210. DOI: 10.14866/ajg.2023s.0_210. (with Siri, K.^{****})

[d] Hydrologic Sciences

Asanuma, J. (2023): Performance of SMOS Soil Mois-

- ture Products over Core Validation Sites. *IEEE Geoscience and Remote Sensing Letters*, **20**, 1-5, DOI: 10.1109/LGRS.2023.3272878. (with Colliander, A., et. al.)
- Sugita, M. (2022): Quantitative assessment of decadal water temperature changes in Lake Kasumigaura, a shallow turbid lake, using a one-dimensional model. *Science of the Total Environment*, **845**, 157247. (with Fukushima, T.^{***} and Matsushita, B.)
- _____ (2023): Runoff characteristics of headwater catchments in a young volcanic region. *Journal of Hydrology*, **620**, PartA, 129350. (with Zang, C.^{****}, Okita, A.^{**} and Bi, S.^{***})
- Tsujimura, M. (2022): Long-term variations in spring water mean transit time in a forested headwater catchment in Japan. *Water*, **14**(23), 3925; <https://doi.org/10.3390/w14233925>. (with Baptista, I. S.^{****} and Onda, Y.)
- _____ (2022): Influence of alpine vegetation on water storage and discharge functions in an alpine headwater of Northern Japan Alps. *Journal of Hydrology X*, **18**, 100146; <https://doi.org/10.1016/j.hydroa.2022.100146>. (with Fujino, M.^{****}, Sakakibara, K.^{**} and Suzuki, K.^{**})
- _____ (2022): Spatial and temporal isotopic and hydrochemical characteristics of groundwater and surface water in the Tuul River Basin, Mongolia. *Earth Systems and Environment*, <https://doi.org/10.1007/s41748-022-00305-1>. (Odsuren, B.^{****}, Litton, G. M.^{**}, Tran, D. A.^{**}, Byambasuren, Z.^{**}, Thanh, H. T.^{**} and Ougahi, J. H.^{*)})
- Yamanaka, T. (2022): Evapotranspirational processes in a dry deciduous forest in Cambodia: clarifying the respective contributions of overstory and understory vegetation to the hydrologic cycle. *Journal of Japanese Association of Hydrological Science*, **52**, 65-72. (*JE*, with Iida, S.^{*)}, Shimizu, T.^{**}, Tamai, K.^{**}, Kabeya, N.^{**}, Shimizu, A.^{**}, Araki, N.^{**}, Ohnuki, Y.^{**}, Ito, E.^{**}, Tanaka, K.^{**}, Toriyama, J.^{**}, Kubota, T.^{**}, Chain, S.^{**} and Levia, D. F.^{*)})
- _____ (2022): Hydrosphere: hydrological cycle. In The Association of Japanese Geographers eds., *The Encyclopedia of Geography*. Maruzen, 150-153. (*J*)
- _____ (2022): Infiltration and subsurface flow. In Japan Society of Hydrology and Water Resources eds., *Handbook of Hydrology and Water Resources*, 2nd edition. Asakura Shoten, 33-36. (*J*)
- _____ (2022): Hydrological phenomena in mountainous areas. In Japan Society of Hydrology and Water Resources eds., *Handbook of Hydrology and Water Resources*, 2nd edition. Asakura Shoten, 89-92. (*J*)
- [e] Atmospheric Science**
- Ueda, H. (2023): Interannual variations of sea-ice extent in the Okhotsk Sea - A pan-Okhotsk climate system perspective. *Atmosphere-Ocean*, doi:10.1080/07055900.2023.2175639. (with Kuramochi, M.^{***} and Mitsudera, H.^{**)}
- _____ (2023): Two types of wintertime teleconnection patterns over the western North Pacific associated with regionally different heating anomalies. *J. Meteor. Soc. Japan*, **101**, 21-37. (with Kuramochi, M.^{****})
- _____ (2023): Atmospheric circulations associated with sea-ice reduction events in the Okhotsk Sea. *J. Meteor. Soc. Japan*, **101**, 125-137. (with Kamae, Y.^{*)}, Inoue, T.^{*}, and Mitsudera, H.^{**)}
- _____ (2023): Interannual variability of dust deposition in Japan during spring season and related atmospheric circulation fields. *J. Meteor. Soc. Japan*, **101**, 255-270. (with Kuramochi, M.^{****} and Kajino, M.^{**)}
- _____ (2022): Genesis of upper-tropospheric anticyclones over the Asian-western Pacific sector from tropical-extratropical interaction perspective. *J. Climate*, **35**, 997-1008. (with Kuramochi, M.^{***}, Takaya, K.^{**}, Takaya, Y.^{**}, Asano, S.^{***} and Maeda, S.^{*)})
- Ueno, K. (2022): Monitoring mountain weather variabilities based on decadal observations of the present weather sensor in the highland of Central Japan. *J. Geography (Chigaku Zasshi)*, **131**, 393-405. (with Yang Y.^{****})
- _____ (2022): Development of a nocturnal temperature inversion in a small basin associated with leaf area ratio changes on the mountain slopes in central Japan. *J. Meteor. Soc. Japan*, **100**, 913-926. (with Kusunoki K.^{****})
- Matsueda, M. (2022): Skill of medium-range forecast models using the same initial conditions. *Bull. Amer. Meteor. Soc.*, **103**, E2050-E2068. doi: 10.1175/BAMS-D-21-0234.1. (with Magnusson, L.^{**)}, Ackerley, D.^{**}, Bouteloup, Y.^{**}, Chen, J.-H.^{**}, Doyle, J.^{**}, Earnshaw, P.^{**}, Kwon, Y. C.^{**}, Koehler, M.^{**}, Lan, S. T. K.^{**}, Li, Y.-J.^{**}, Matsunobu, T.^{**}, McTaggart-Cowan, R.^{**}, Reinecke, A.^{**}, Yamaguchi, M.^{**} and Zhou, L.^{*)})
- Karaki, T. (2023): Inshore migration of Japanese eel *Anguilla japonica* encouraged by active horizontal swimming during the glass eel stage. *Fisheries*

Oceanography, **1-12**. doi: 10.1111/fog.12637. (with Sakamoto, K.**, Yamanaka, G.**, Kimura, S.** and Kasai, A.**)

[f] Geomorphology

Hattanji, T. (2022): Estimation of shallow subsurface structures on granitic hillslopes based on electrical resistivity distribution. *Journal of Applied Geophysics*, **203**, 104704. (with Yoshihara, N.***)

_____ (2023): Part I. Basics of geography. 4. Maps and cartography: Land survey. *The Encyclopedia of Geography (Chirigaku Jiten)*, 64-65. (J)

_____ (2023): Part IV. Applications of geography and contemporary issues. 2. Disaster, prevention, and recovery from disaster: Landslide and debris flow. *The Encyclopedia of Geography (Chirigaku Jiten)*, 550-551. (J)

Ogura, T. (2022): Improving the 3D model accuracy with a post-processing kinematic (PPK) method for UAS surveys. *Geocarto International*, **37**(14), 4234-4254. (with Iizuka, K.***, Akiyama, Y.** , Yamauchi, H.** , Hashimoto, Y.** and Yamada, Y.**)

_____ (2022): Development and evaluation of an application for exploring historical sites using three-dimensional geospatial data and virtual reality technology: A contribution to geography education. *E-Journal GEO*, **17**(1), 169-179. (JE, with Yamauchi, H.***, Tsuruoka, K.** , Tamura, Y.** , Hayakawa, Y. S.** , Iizuka, K.** and Oguchi, T.**)

_____ (2023): Geological controls on marine cavernous landforms along Japanese Pacific-side rocky coasts. *Journal of Geography (Chigaku Zasshi)*, **132**(1), 33-55. (JE, with Shinohara, K.***, Ito, A.** and Matsuoka, N.**)

[g] Environmental Dynamics

Onda, Y. (2022): Mode of Atmospheric Deposition in Forests Demonstrates Notable Differences in Initial Radiocesium Behavior. *Environmental Science & Technology*, **56**(22), 15179-16540. (with Anderson, D.***, Kato, H.)

_____ (2022): Long-Term Variations in Spring Water Mean Transit Time in a Forested Headwater Catchment in Japan. *Water*, **14** (23), 3925. (with Baptista, I.S.*** and Tsujimura, M.)

_____ (2022): Radiocesium accumulation in Lake Kasumigaura by riverine input and migration following the Fukushima Dai-ichi nuclear power plant accident. *Journal of Environmental Management*, **320**, 115905. (with Arai, H.*** and Fukushima, T.**)

_____ (2022): Persistent impact of Fukushima

decontamination on soil erosion and suspended sediment. *Nature Sustainability*, **5**, 879–889. (with Feng, B.**, Wakiyama, Y.** , Taniguchi, K.** , Hashimoto, A.*** and Zhang, Y.***)

_____ (2022): Evaluating changes in catchment-scale evapotranspiration after 50% strip-thinning in a headwater catchment. *Hydrological Processes*, **36**(6), e14611. (with Chiu, C.***, Gomi, T.** , Hiraoka, M.** , Shiraki, K.* and Dung, B. X.**)

_____ (2022): Pre- and post-accident environmental transfer of radionuclides in Japan: lessons learned in the IAEA MODARIA II programme. *Journal of Radiological Protection*, **42**(2), 020509. (with Tagami, K.***, Hashimoto, S.** , Kusakabe, M.** , Howard, B.** , Fesenko, S.** , Pröhl, G.** , Harbottle, A-R.** and Ulanowski, A.**)

_____ (2023): Evaluating changes in radionuclide concentrations and groundwater levels before and after the cooling pond drawdown in the Chornobyl Nuclear Power Plant vicinity. *Science of The Total Environment*, **872**, 161997, DOI:10.1016/j.scitotenv.2023.161997. (with Sato, H.** , Gusyev, M.** , Veremenko, D.** , Laptev, D.** , Shibasaki, N.** , Zheleznyak, M.** , Kirieiev, S.** and Nanba, K.**)

_____ (2022): A tree detection method based on trunk point cloud section in dense plantation forest using drone LiDAR data. *Forest Ecosystems*, **10**, 100088, DOI:10.1016/j.fecs.2023.100088. (with Zhang, Y.****, Tan, Y.** , Hashimoto, A.***, Gomi, T.** , Chiu, C.* and Inokoshi, S.**)

Kato, H. (2022): Distribution of radiocesium and its controlling factors under the Japanese cedar canopies. *Journal of Environmental Management*, **314**, 115064. (with Onda, Y. and Maejima, K.***)