

# Takashi Oguchi

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

108  
papers

2,044  
citations

28  
h-index

41  
g-index

122  
ext. papers

2,329  
ext. citations

3.2  
avg, IF

5.09  
L-index

#	Paper	IF	Citations
108	Influence of sampling design on landslide susceptibility modeling in lithologically heterogeneous areas.. <i>Scientific Reports</i> , <b>2022</b> , 12, 2106	4.9	1
107	Application of web hazard maps to high school education for disaster risk reduction. <i>International Journal of Disaster Risk Reduction</i> , <b>2022</b> , 72, 102866	4.5	1
106	Topographic Evolution Involving Co-Seismic Landslide, Deformation, Long-Term Folding and Isostatic Rebound: A Case Study on the 2004 Chuetsu Earthquake. <i>Remote Sensing</i> , <b>2021</b> , 13, 1073	5	1
105	Elucidation of the historical changing of coastal sand dunes [For conservation and restoration of coastal sand dune vegetation] <i>Landscape Ecology and Management</i> , <b>2021</b> , 26, 23-33	0	
104	Historical Development of Maps and GIS. <i>Journal of Rural Planning Association</i> , <b>2020</b> , 38, 436-439	0.1	
103	Lithosphere—the Solid Realm Which Supports Human Life. <i>Advances in Geological Science</i> , <b>2020</b> , 27-38	0.1	
102	Geomorphological debates in Japan related to surface processes, tectonics, climate, research principles, and international geomorphology. <i>Geomorphology</i> , <b>2020</b> , 366, 106805	4.3	3
101	Scaling land-surface variables for landslide detection. <i>Progress in Earth and Planetary Science</i> , <b>2019</b> , 6,	3.9	7
100	Assessing landslide characteristics in a changing climate in northern Taiwan. <i>Catena</i> , <b>2019</b> , 175, 263-277	5.8	19
99	Estimation of the antecedent rainfall period for mass movements in Taiwan. <i>Environmental Earth Sciences</i> , <b>2018</b> , 77, 1	2.9	1
98	Sediment yield during typhoon events in relation to landslides, rainfall, and catchment areas in Taiwan. <i>Geomorphology</i> , <b>2018</b> , 303, 540-548	4.3	16
97	Evaluation of beach vegetation for conservation/rehabilitation in Tottori Prefecture, Southwest Japan. <i>Landscape and Ecological Engineering</i> , <b>2018</b> , 14, 231-243	2	2
96	Morphometric analysis of sinkholes using a semi-automatic approach in Zhijin County, China. <i>Arabian Journal of Geosciences</i> , <b>2018</b> , 11, 1	1.8	2
95	Late Quaternary depositional sequences and landforms in relation to sea-level changes in the Osaka intra-arc basin, Japan: A borehole database analysis. <i>Quaternary International</i> , <b>2018</b> , 471, 298-317 <sup>2</sup>		2
94	Hazards and Risks as Viewed from Geography and Geomorphology. <i>Trends in the Sciences</i> , <b>2018</b> , 23, 7_15-7_19		
93	Assessment for soil loss by using a scheme of alternative sub-models based on the RUSLE in a Karst Basin of Southwest China. <i>Journal of Integrative Agriculture</i> , <b>2017</b> , 16, 377-388	3.2	31
92	Knickzone Extraction Tool (KET) [A new ArcGIS toolset for automatic extraction of knickzones from a DEM based on multi-scale stream gradients. <i>Open Geosciences</i> , <b>2017</b> , 9,	1.3	9

91	Relationship between landslide size and rainfall conditions in Taiwan. <i>Landslides</i> , <b>2017</b> , 14, 1235-1240	6.6	28
90	Analyzing rainfall-induced mass movements in Taiwan using the soil water index. <i>Landslides</i> , <b>2017</b> , 14, 1031-1041	6.6	14
89	Global evaluation of erosion rates in relation to tectonics. <i>Progress in Earth and Planetary Science</i> , <b>2017</b> , 4,	3.9	9
88	Effect of forest clear-cutting on landslide occurrences: Analysis of rainfall thresholds at Mt. Ichifusa, Japan. <i>Geomorphology</i> , <b>2017</b> , 276, 1-7	4.3	23
87	Catastrophic flooding, palaeolakes, and late Quaternary drainage reorganization in northern Eurasia. <i>International Geology Review</i> , <b>2016</b> , 58, 1693-1722	2.3	25
86	Concurrent and sustainable development of a local-scale digital heritage inventory through action research at Bat, Oman. <i>Journal of Cultural Heritage Management and Sustainable Development</i> , <b>2016</b> , 6, 195-212	1.3	0
85	Surficial geological tools in fluvial geomorphology <b>2016</b> , 13-39		1
84	Remote identification of fluvial knickzones and their imprints on landscape morphology in the passive margins of Western Arabia. <i>Journal of Arid Environments</i> , <b>2016</b> , 130, 14-29	2.5	7
83	Multi-Resolution Landslide Susceptibility Analysis Using a DEM and Random Forest. <i>International Journal of Geosciences</i> , <b>2016</b> , 07, 726-743	0.4	30
82	Report of International Union for Quaternary Research, XIX Congress, July 26 to August 2, 2015, Nagoya Congress Center, Nagoya, Japan. <i>The Quaternary Research</i> , <b>2016</b> , 55, 119-151	0.1	1
81	Applications of Terrestrial Laser Scanning in Geomorphology. <i>Journal of Geography (Chigaku Zasshi)</i> , <b>2016</b> , 125, 299-324	0.5	8
80	Distributions of landslides, vegetation, and related sediment yields during typhoon events in northwestern Taiwan. <i>Geomorphology</i> , <b>2016</b> , 273, 1-13	4.3	16
79	Geomorphic imprints of repeated tsunami waves in a coastal valley in northeastern Japan. <i>Geomorphology</i> , <b>2015</b> , 242, 3-10	4.3	10
78	Shallow and Deep-Seated Landslide Differentiation Using Support Vector Machines: A Case Study of the Chuetsu Area, Japan. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , <b>2015</b> , 26, 227	1.8	48
77	Characteristics of Erosional Morphology Formed by Tsunami Waves along the Sanriku Coast, Northeastern Japan. <i>Journal of Geography (Chigaku Zasshi)</i> , <b>2015</b> , 124, 241-258	0.5	6
76	Rainfall intensity-duration conditions for mass movements in Taiwan. <i>Progress in Earth and Planetary Science</i> , <b>2015</b> , 2,	3.9	42
75	Evaluation of the similarity between spatial tessellations. <i>Environment and Planning B: Planning and Design</i> , <b>2015</b> , 42, 930-950		2
74	Buried landforms in the Yodo River lowland, the Osaka Plain, Japan, from analysis of a borehole database. <i>Journal of the Sedimentological Society of Japan</i> , <b>2015</b> , 74, 21-29	0	3

73	Framework for Investigation of Karst Aquifer in an Arid Zone, Using Isotopes, Remote Sensing and GIS Applications: the Northwestern Coast of Egypt. <i>Environmental Processes</i> , <b>2015</b> , 2, 37-60	2.8	11
72	An endmember optimization approach for linear spectral unmixing of fine-scale urban imagery. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2014</b> , 27, 137-146	7.3	18
71	Geospatial Information and Environmental Isotopes for Hydrogeological Evaluation: Ras Alam El Rum, Northwestern Coast of Egypt. <i>Natural Resources Research</i> , <b>2014</b> , 23, 423-445	4.9	3
70	Rainfall conditions, typhoon frequency, and contemporary landslide erosion in Japan. <i>Geology</i> , <b>2014</b> , 42, 999-1002	5	43
69	Spatial correspondence of knickzones and stream confluences along bedrock rivers in japan: implications for hydraulic formation of knickzones. <i>Geografiska Annaler, Series A: Physical Geography</i> , <b>2014</b> , 96, 9-19	1.1	24
68	Japan's sediment flux to the Pacific Ocean revisited. <i>Earth-Science Reviews</i> , <b>2014</b> , 135, 1-16	10.2	14
67	Luminescence dating of scoria fall and lahar deposits from Somma Vesuvius, Italy. <i>Quaternary Geochronology</i> , <b>2014</b> , 20, 39-50	2.7	8
66	Morphometric Analysis of Drainage Basins in the Western Arabian Peninsula Using Multivariate Statistics. <i>International Journal of Geosciences</i> , <b>2014</b> , 05, 527-539	0.4	27
65	Open image in new windowGIS-Based Landslide Susceptibility Mapping Using a Certainty Factor Model and Its Validation in the Chuetsu Area, Central Japan <b>2014</b> , 419-424		41
64	Effects of Tsunami Wave Erosion on Natural Landscapes: Examples from the 2011 Tohoku-oki Tsunami. <i>Advances in Natural and Technological Hazards Research</i> , <b>2014</b> , 243-253	1.8	3
63	Long-term (1842-2006) morphological change and equilibrium state of the Changjiang (Yangtze) Estuary, China. <i>Continental Shelf Research</i> , <b>2013</b> , 56, 71-81	2.4	45
62	Anthropogenic influence on sedimentation during the last 100 years inferred from magnetic properties in the Changjiang Estuary, China. <i>Environmental Earth Sciences</i> , <b>2013</b> , 70, 1671-1680	2.9	7
61	Data Sources. <i>Developments in Earth Surface Processes</i> , <b>2011</b> , 15, 189-224	2.8	19
60	Vegetation Succession and Land Recovery Process Based on Soil Properties in the Upper Mt. Pinatubo, the Philippines. <i>Journal of Geography (Chigaku Zasshi)</i> , <b>2011</b> , 120, 631-645	0.5	0
59	Land cover change on Mt. Pinatubo, the Philippines, monitored using ASTER VNIR. <i>International Journal of Remote Sensing</i> , <b>2011</b> , 32, 9279-9305	3.1	9
58	Multidisciplinary Cooperation in GIS Education: A Case Study of US Colleges and Universities. <i>Journal of Geography in Higher Education</i> , <b>2010</b> , 34, 493-509	1.6	13
57	Magnetic properties of muddy sediments on the northeastern continental shelves of China: Implication for provenance and transportation. <i>Marine Geology</i> , <b>2010</b> , 274, 107-119	3.3	41
56	Factors Affecting Late Twentieth Century Land Use Patterns in Kamakura City, Japan. <i>Geographical Research</i> , <b>2009</b> , 47, 175-191	1.6	7

55	Discrimination in magnetic properties of different-sized sediments from the Changjiang and Huanghe Estuaries of China and its implication for provenance of sediment on the shelf. <i>Marine Geology</i> , <b>2009</b> , 260, 121-129	3.3	41
54	GIS analysis of fluvial knickzone distribution in Japanese mountain watersheds. <i>Geomorphology</i> , <b>2009</b> , 111, 27-37	4.3	52
53	Longitudinal and transverse profiles of hilly and mountainous watersheds in Japan. <i>Geomorphology</i> , <b>2009</b> , 111, 17-26	4.3	12
52	Constant-slope alluvial fans and source basins in Taiwan. <i>Geology</i> , <b>2009</b> , 37, 787-790	5	10
51	Mt. Fuji: The Beauty of a Symmetric Stratovolcano <b>2009</b> , 303-309		
50	Late Quaternary activity of the Zemuhe and Xiaojiang faults in southwest China from geomorphological mapping. <i>Geomorphology</i> , <b>2008</b> , 96, 62-85	4.3	38
49	GIS analysis of depositional slope change at alluvial-fan toes in Japan and the American Southwest. <i>Geomorphology</i> , <b>2008</b> , 100, 120-130	4.3	25
48	Paleohydrological implications of late Quaternary fluvial deposits in and around archaeological sites in Syria. <i>Geomorphology</i> , <b>2008</b> , 101, 33-43	4.3	10
47	Comparison of new and existing global digital elevation models: ASTER G-DEM and SRTM-3. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4.9	108
46	GIS Education at Geographical Departments in Japanese Universities in Relation to the Japan Standard GIS Core Curriculum. <i>International Research in Geographical and Environmental Education</i> , <b>2008</b> , 17, 298-306	1.7	6
45	Preface for the Special Issue on GIS <i>Journal of Geography (Chigaku Zasshi)</i> , <b>2008</b> , 117, 307-311	0.5	1
44	Relationship between Distribution of Residential Areas and Topographic Factors in the Sagarmatha Zone, Eastern Nepal. <i>Journal of Geography (Chigaku Zasshi)</i> , <b>2008</b> , 117, 561-567	0.5	1
43	Rapid On-site Topographic Mapping with a Handheld Laser Range Finder for a Geoarchaeological Survey in Syria. <i>Geographical Research</i> , <b>2007</b> , 45, 95-104	1.6	10
42	Channel braiding and stability of the Brahmaputra River, Bangladesh, since 1967: GIS and remote sensing analyses. <i>Geomorphology</i> , <b>2007</b> , 85, 294-305	4.3	56
41	DEM analysis on longitudinal and transverse profiles of steep mountainous watersheds. <i>Geomorphology</i> , <b>2006</b> , 78, 77-89	4.3	33
40	DEM-based identification of fluvial knickzones and its application to Japanese mountain rivers. <i>Geomorphology</i> , <b>2006</b> , 78, 90-106	4.3	68
39	Slope of alluvial fans in humid regions of Japan, Taiwan and the Philippines. <i>Geomorphology</i> , <b>2005</b> , 70, 147-162	4.3	50
38	Surficial Geologic Tools in Fluvial Geomorphology <b>2005</b> , 23-57		1

37	Evaluation of gravel sphericity and roundness based on surface-area measurement with a laser scanner. <i>Computers and Geosciences</i> , <b>2005</b> , 31, 735-741	4.5	52
36	Drainage density, slope angle, and relative basin position in Japanese bare lands from high-resolution DEMs. <i>Geomorphology</i> , <b>2004</b> , 63, 159-173	4.3	74
35	Late Quaternary rapid talus dissection and debris flow deposition on an alluvial fan in Syria. <i>Catena</i> , <b>2004</b> , 55, 125-140	5.8	13
34	Change in riverine suspended sediment concentration in central Japan in response to late 20th century human activities. <i>Catena</i> , <b>2004</b> , 55, 231-254	5.8	52
33	Investigating Representative GIS Curricula in the U.S. and GIS Textbooks in English. <i>Theory and Applications of GIS</i> , <b>2004</b> , 12, 81-89	0	3
32	Identification of an active fault in the Japanese Alps from DEM-based hill shading. <i>Computers and Geosciences</i> , <b>2003</b> , 29, 885-891	4.5	44
31	Effects of Digital Elevation Model Resolution on Topographic Representation: A Case Study in the Tama Area, Western Tokyo. <i>Geographical Review of Japan</i> , <b>2003</b> , 76, 800-818		6
30	Exploring the linkages between river water chemistry and watershed characteristics using GIS-based catchment and locality analyses. <i>Regional Environmental Change</i> , <b>2002</b> , 3, 36-50	4.3	39
29	Analysis of River Water Quality in the Humber Catchment Using the LOIS Database and GIS. <i>Journal of Geography (Chigaku Zasshi)</i> , <b>2002</b> , 111, 410-415	0.5	1
28	Applications of Photogrammetry in Geomorphology: A Review.. <i>Journal of Geography (Chigaku Zasshi)</i> , <b>2002</b> , 111, 1-15	0.5	9
27	Fluvial geomorphology and paleohydrology in Japan. <i>Geomorphology</i> , <b>2001</b> , 39, 3-19	4.3	92
26	Late Holocene slackwater deposits on the Nakagawa River, Tochigi Prefecture, Japan. <i>Geomorphology</i> , <b>2001</b> , 39, 39-51	4.3	35
25	Damage and Seismic Intensity of the 1996 Lijiang Earthquake, China: <b>2001</b> , 74, 187-198		
24	Geomorphology and GIS in Japan: Background and characteristics. <i>Geo Journal</i> , <b>2000</b> , 52, 195-202	2.2	0
23	River water quality in the Humber catchment: an introduction using GIS-based mapping and analysis. <i>Science of the Total Environment</i> , <b>2000</b> , 251-252, 9-26	10.2	28
22	Pollution regimes and variability in river water quality across the Humber catchment: interrogation and mapping of an extensive and highly heterogeneous spatial dataset. <i>Science of the Total Environment</i> , <b>2000</b> , 251-252, 27-43	10.2	12
21	Acid-available particulate trace metals associated with suspended sediment in the Humber rivers: a regional assessment. <i>Hydrological Processes</i> , <b>1999</b> , 13, 1117-1136	3.3	18
20	Topographic and Climatic Influences on Population and Soil in East to Southeast Asia: A GIS Approach <b>1999</b> , 72, 181-192		1

19	Altitudinal Changes in Slope Angle and Profile Curvature in the Japan Alps: A Hypothesis Regarding a Characteristic Slope Angle <b>1999</b> , 72, 63-72		21
18	GIS Research in Poland Examples from Five Organizations. <i>Theory and Applications of GIS</i> , <b>1999</b> , 7, 53-56	0	
17	Occurrence of extrazonal periglacial landforms in the lowlands of western Japan and Korea. <i>Permafrost and Periglacial Processes</i> , <b>1998</b> , 9, 285-294	4.2	7
16	GIS-related Geomorphological Research in the USA. <i>Theory and Applications of GIS</i> , <b>1998</b> , 6, 75-80	0	
15	Late quaternary sediment budget in alluvial-fan-source-basin systems in Japan. <i>Journal of Quaternary Science</i> , <b>1997</b> , 12, 381-390	2.3	25
14	Drainage Density and Relative Relief in Humid Steep Mountains with Frequent Slope Failure. <i>Earth Surface Processes and Landforms</i> , <b>1997</b> , 22, 107-120	3.7	116
13	Drainage Density and Relative Relief in Humid Steep Mountains with Frequent Slope Failure <b>1997</b> , 22, 107		5
12	Factors affecting the magnitude of post-glacial hillslope incision in Japanese mountains. <i>Catena</i> , <b>1996</b> , 26, 171-186	5.8	23
11	River processes after rapid valley-filling due to large landslides. <i>Geo Journal</i> , <b>1996</b> , 38, 339	2.2	7
10	Effects of Hillslope Failure on Stream Bifurcation Ratios and Stream Length Ratios for the Matsumoto Region, Japan. <i>Chirigaku Hyoron</i> , <b>1995</b> , 68, 447-464		3
9	Neanderthal infant burial from the Dederiyeh cave in Syria.. <i>Paleorient</i> , <b>1995</b> , 21, 77-86	0.3	37
8	A Morphometric Approach to Post-Glacial Channel Development in the Mountains of Central Japan <b>1995</b> , 68, 151-165		
7	Analysis of relationships among alluvial fan area, source basin area, basin slope, and sediment yield. <i>Zeitschrift für Geomorphologie</i> , <b>1994</b> , 38, 405-420	1.9	29
6	Late Quaternary Geomorphic Development of Alluvial Fan-Source <b>1994</b> , 67, 81-100		8
5	An Explanation of Broad Occurrence of Extrazonal Periglacial Landforms in the Lowlands of Western Japan and Korea. <i>Chirigaku Hyoron</i> , <b>1992</b> , 65, 195-212		
4	Landform development during the Last Glacial and the Post-Glacial Ages in the Matsumoto Basin and its surrounding mountains, Central Japan.. <i>The Quaternary Research</i> , <b>1988</b> , 27, 101-124	0.1	33
3	DIFFERENCES IN LANDFORM DEVELOPMENT DURING THE LATE GLACIAL AND THE POST-GLACIAL AGES AMONG DRAINAGES AROUND THE MATSUMOTO BASIN, CENTRAL JAPAN. <i>Chirigaku Hyoron</i> , <b>1988</b> , 61, 872-893		6
2	Quaternary Fluvial Environments and Palaeohydrology in Syria 417-422		

