Takashi Gomi

List of Publications by Year
in descending order

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86	3,487	126708	143772
papers	citations	33 h-index	57 g-index

89	89	89	2700
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Understory biomass measurement in a dense plantation forest based on drone-SfM data by a manual low-flying drone under the canopy. Journal of Environmental Management, 2022, 312, 114862.	3.8	9
2	Ecological resilience of physical plantâ€“soil feedback to chronic deer herbivory: Slow, partial, but functional recovery. Ecological Applications, 2022, 32, e2656.	1.8	4
3	Impact of Sika Deer on Soil Properties and Erosion. Structure and Function of Mountain Ecosystems in Japan, 2022, , 399-413.	0.1	2
4	Stream Temperature Response to 50% Strip-Thinning in a Temperate Forested Headwater Catchment. Water (Switzerland), 2021, 13, 1022.	1.2	8
5	Land Cover and Characteristics of Landslides Induced by the 2018 M_w 6.7 Eastern Iburi Earthquake, Hokkaido. International Journal of Erosion Control Engineering, 2021, 13, 76-83.	0.5	2
6	Effects of Spatial Scales on Runoff/Sediment Transport in Mountain Catchments (4): Avenues for Prediction Improvement. Suimon Mizu Shigen Gakkaishi, 2021, 34, 192-204.	0.1	0
7	A Review of SWAT Model Application in Africa. Water (Switzerland), 2021, 13, 1313.	1.2	89
8	Longâ€term impacts of forest disturbances: Comparing cumulative effects of clearcut logging versus landslide on stream conditions and abundance of a headwater stonefly Scopura montana. Freshwater Biology, 2021, 66, 2004-2015.	1.2	1
9	Seasonal variations of <scp>¹³⁷Cs</scp> concentration in freshwater charr through uptake and metabolism in 1â€“2â€‰years after the Fukushima accident. Ecological Research, 2021, 36, 935-946.	0.7	4
10	Untangling radiocesium dynamics of forest-stream ecosystems: A review of Fukushima studies in the decade after the accident. Environmental Pollution, 2021, 288, 117744.	3.7	13
11	Characteristics of landslides in forests and grasslands triggered by the 2016 Kumamoto earthquake. Earth Surface Processes and Landforms, 2020, 45, 893-904.	1.2	9
12	Road Dust as a Significant Radiocesium Transporter from Land to River. Archives of Environmental Contamination and Toxicology, 2020, 79, 39-48.	2.1	0
13	Contrasting Patterns in the Decrease of Spatial Variability With Increasing Catchment Area Between Stream Discharge and Water Chemistry. Water Resources Research, 2019, 55, 7419-7435.	1.7	9
14	Assessing spatially distributed infiltration capacity to evaluate storm runoff in forested catchments: Implications for hydrological connectivity. Science of the Total Environment, 2019, 669, 148-159.	3.9	25
15	Gravel bar as an interface of ecological network. Journal of the Japanese Society of Revegetation Technology, 2019, 44, 489-493.	0.0	0
16	Effect of canopy openness and meteorological factors on spatial variability of throughfall isotopic composition in a Japanese cypress plantation. Hydrological Processes, 2018, 32, 1038-1049.	1.1	5
17	Ecosystem changes following the 2016 Kumamoto earthquakes in Japan: Future perspectives. Ambio, 2018, 47, 721-734.	2.8	12
18	Radioactive cesium contamination and its biological half-life in larvae of Stenopsyche marmorata (Trichoptera: Stenopsychidae). Landscape and Ecological Engineering, 2018, 14, 37-43.	0.7	7

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19	Tracing radioactive contamination of river basins for the development of effective mitigation measures. Landscape and Ecological Engineering, 2018, 14, 1-2.	0.7	0
20	Effects of Spatial Scales on Runoff / Sediment Transport in Mountain Catchments (3) -Review for the Treatments of Numerical Models. Suimon Mizu Shigen Gakkaishi, 2018, 31, 245-261.	0.1	1
21	Evaluating 137Cs detachment from coniferous needle litter in a headwater stream: a litter bag field experiment. Landscape and Ecological Engineering, 2018, 14, 17-27.	0.7	11
22	Discovery of zeroâ€order basins as an important link for progress in hydrogeomorphology. Hydrological Processes, 2018, 32, 3059-3065.	1.1	13
23	Effects of Spatial Scales on Runoff / Sediment Transport in Mountain Catchments (1) - A Review of Field Observations on Catchment Area and Properties. Suimon Mizu Shigen Gakkaishi, 2018, 31, 219-231.	0.1	4
24	Effects of Spatial Scales on Runoff / Sediment Transport in Mountain Catchments (2) -Results from Intensively Studied Catchments. Suimon Mizu Shigen Gakkaishi, 2018, 31, 232-244.	0.1	3
25	Effect of tree thinning and skidding trails on hydrological connectivity in two Japanese forest catchments. Geomorphology, 2017, 292, 104-114.	1.1	37
26	Change in evapotranspiration partitioning after thinning in a Japanese cypress plantation. Trees - Structure and Function, 2017, 31, 1411-1421.	0.9	17
27	Developing a food web-based transfer factor of radiocesium for fish, whitespotted char (Salvelinus) Tj ETQq1 1 0.784314 rgBT /Overl	0.9	18
28	Hydrogeomorphic processes and scaling issues in the continuum from soil pedons to catchments. Earth-Science Reviews, 2017, 175, 75-96.	4.0	69
29	The continuum of chronic to episodic natural hazards: Implications and strategies for community and landscape planning. Landscape and Urban Planning, 2017, 167, 189-197.	3.4	11
30	Collapsed material movement of deep-seated landslides caused by Typhoon Talas 2011 on the Kii Peninsula, Japan. International Journal of Erosion Control Engineering, 2017, 10, 108-119.	0.5	2
31	Field estimation of interception in a broadleaf forest under multi-layered structure conditions. Hydrological Research Letters, 2017, 11, 181-186.	0.3	5
32	Fallout volume and litter type affect 137Cs concentration difference in litter between forest and stream environments. Journal of Environmental Radioactivity, 2016, 164, 169-173.	0.9	18
33	Suspended-sediment responses after strip thinning in headwater catchments. Landscape and Ecological Engineering, 2016, 12, 197-208.	0.7	13
34	Immediate change in throughfall spatial distribution and canopy water balance after heavy thinning in a dense mature Japanese cypress plantation. Ecohydrology, 2016, 9, 300-314.	1.1	36
35	Different cesium-137 transfers to forest and stream ecosystems. Environmental Pollution, 2016, 209, 46-52.	3.7	30
36	Peak flow responses to strip thinning in a nested, forested headwater catchment. Hydrological Processes, 2015, 29, 5098-5108.	1.1	10

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37	Influence of strip thinning on nutrient outflow concentrations from plantation forested watersheds. Hydrological Processes, 2015, 29, 5109-5119.	1.1	6
38	Responses of bed load yields from a forested headwater catchment in the eastern Tanzawa Mountains, Japan. Hydrological Research Letters, 2015, 9, 41-46.	0.3	9
39	The effect of strip thinning on spatial and temporal variability of throughfall in a Japanese cypress plantation. Hydrological Processes, 2015, 29, 5058-5070.	1.1	23
40	Effect of strip thinning on rainfall interception in a Japanese cypress plantation. Journal of Hydrology, 2015, 525, 607-618.	2.3	40
41	Radiocesium leaching from contaminated litter in forest streams. Journal of Environmental Radioactivity, 2015, 144, 15-20.	0.9	50
42	Infiltration Capacity and Runoff Characteristics of a Forest Road. Journal of the Japanese Forest Society, 2014, 96, 315-322.	0.1	6
43	Soil removal as a decontamination practice and radiocesium accumulation in tadpoles in rice paddies at Fukushima. Environmental Pollution, 2014, 187, 112-115.	3.7	44
44	Partitioning of the total evapotranspiration in a Japanese cypress plantation during the growing season. Ecohydrology, 2014, 7, 1042-1053.	1.1	29
45	Vertical distribution of radiocesium in coniferous forest soil after the Fukushima nuclear power plant accident. Journal of Environmental Radioactivity, 2014, 137, 37-45.	0.9	57
46	The effect of strip thinning on tree transpiration in a Japanese cypress (Chamaecyparis obtusa Endl.) plantation. Agricultural and Forest Meteorology, 2014, 197, 123-135.	1.9	39
47	The role of litterfall in transferring Fukushima-derived radiocesium to a coniferous forest floor. Science of the Total Environment, 2014, 490, 435-439.	3.9	72
48	Linkages among land use, macronutrient levels, and soil erosion in northern Vietnam: A plot-scale study. Geoderma, 2014, 232-234, 352-362.	2.3	49
49	Merging perspectives in the catchment sciences: the US-Japan Joint Seminar on catchment hydrology and forest biogeochemistry. Hydrological Processes, 2014, 28, 2878-2880.	1.1	1
50	Distribution of amphipods (Gammarus nipponensis Ueno) among mountain headwater streams with different legacies of debris flow occurrence. Ecohydrology, 2013, 6, 117-124.	1.1	6
51	Responses of macroinvertebrate communities to 4Âyears of deer exclusion in first- and second-order streams. Freshwater Science, 2013, 32, 563-575.	0.9	16
52	Interception of the Fukushima reactor accidentâ€derived¹³⁷Cs, ¹³⁴Cs and ¹³¹I by coniferous forest canopies. Geophysical Research Letters, 2012, 39, .	1.5	132
53	Peak flow responses and recession flow characteristics after thinning of Japanese cypress forest in a headwater catchment. Hydrological Research Letters, 2012, 6, 35-40.	0.3	13
54	Runoff responses to forest thinning at plot and catchment scales in a headwater catchment draining Japanese cypress forest. Journal of Hydrology, 2012, 444-445, 51-62.	2.3	89

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55	Effect of ground cover on splash and sheetwash erosion over a steep forested hillslope: A plot-scale study. Catena, 2011, 85, 34-47.	2.2	67
56	Effect of forest thinning on overland flow generation on hillslopes covered by Japanese cypress. Ecohydrology, 2011, 4, 367-378.	1.1	21
57	Downslope soil detachmentâ€“transport on steep slopes via rain splash. Hydrological Processes, 2011, 25, 2471-2480.	1.1	21
58	Slope length effect on sediment and organic litter transport on a steep forested hillslope: upscaling from plot to hillslope scale. Hydrological Research Letters, 2011, 5, 16-20.	0.3	11
59	Analysis of stream water temperature changes during rainfall events in forested watersheds. Limnology, 2010, 11, 115-124.	0.8	21
60	Short-term responses of macroinvertebrate drift following experimental sediment flushing in a Japanese headwater channel. Landscape and Ecological Engineering, 2010, 6, 257-270.	0.7	17
61	An overview of the field and modelling studies on the effects of forest devastation on flooding and environmental issues. Hydrological Processes, 2010, 24, 527-534.	1.1	80
62	Spatial pattern of infiltration rate and its effect on hydrological processes in a small headwater catchment. Hydrological Processes, 2010, 24, 535-549.	1.1	34
63	Evaluation of storm runoff pathways in steep nested catchments draining a Japanese cypress forest in central Japan: a geochemical approach. Hydrological Processes, 2010, 24, 550-566.	1.1	56
64	Quantifying the impact of forest management practice on the runoff of the surfaceâ€derived suspended sediment using fallout radionuclides. Hydrological Processes, 2010, 24, 596-607.	1.1	40
65	Disturbances structuring macroinvertebrate communities in steep headwater streams: relative importance of forest clearcutting and debris flow occurrence. Canadian Journal of Fisheries and Aquatic Sciences, 2010, 67, 427-444.	0.7	29
66	Influences of forested watershed conditions on fluctuations in stream water temperature with special reference to watershed area and forest type. Limnology, 2009, 10, 33-45.	0.8	13
67	Changes in bedload transport rate associated with episodic sediment supply in a Japanese headwater channel. Catena, 2009, 77, 207-215.	2.2	9
68	Effects of forest floor coverage on overland flow and soil erosion on hillslopes in Japanese cypress plantation forests. Water Resources Research, 2009, 45, .	1.7	102
69	Factors Affecting Generation of Hortonian Overland Flow in Forested Hillslopes: Analysis of Observation Results at Three Sites with Different Geology and Rainfall Characteristics.. Journal of the Japanese Forest Society, 2009, 91, 398-407.	0.1	13
70	A new method to measure substrate coherent strength of Stenopsyche marmorata. Landscape and Ecological Engineering, 2008, 4, 125-131.	0.7	13
71	Characteristics of overland flow generation on steep forested hillslopes of central Japan. Journal of Hydrology, 2008, 361, 275-290.	2.3	81
72	Dynamic runoff connectivity of overland flow on steep forested hillslopes: Scale effects and runoff transfer. Water Resources Research, 2008, 44, .	1.7	149

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73	Seasonal changes of nitrate concentrations in baseflow headwaters of coniferous forests in Japan: A significant indicator for N saturation. Catena, 2008, 76, 63-69.	2.2	9
74	Surface runoff as affected by soil water repellency in a Japanese cypress forest. Hydrological Processes, 2007, 21, 2365-2376.	1.1	81
75	Hortonian overland flow from Japanese forest plantationsâ€"an aberration, the real thing, or something in between?. Hydrological Processes, 2007, 21, 3237-3247.	1.1	106
76	Persistence of road runoff generation in a logged catchment in Peninsular Malaysia. Earth Surface Processes and Landforms, 2007, 32, 1947-1970.	1.2	43
77	Factors affecting distribution of wood, detritus, and sediment in headwater streams draining managed young-growth red alder Â– conifer forests in southeast Alaska. Canadian Journal of Forest Research, 2006, 36, 725-737.	0.8	16
78	Sediment and wood accumulations in humid tropical headwater streams: Effects of logging and riparian buffers. Forest Ecology and Management, 2006, 224, 166-175.	1.4	75
79	SUSPENDED SEDIMENT DYNAMICS IN SMALL FOREST STREAMS OF THE PACIFIC NORTHWEST. Journal of the American Water Resources Association, 2005, 41, 877-898.	1.0	99
80	SPATIAL AND TEMPORAL DYNAMICS OF WOOD IN HEADWATER STREAMS OF THE PACIFIC NORTHWEST. Journal of the American Water Resources Association, 2005, 41, 899-919.	1.0	85
81	SPATIAL AND TEMPORAL DYNAMICS OF WOOD IN HEADWATER STREAMS OF THE PACIFIC NORTHWEST. Journal of the American Water Resources Association, 2005, 41, 899-919.	1.0	98
82	Hydrogeomorphic linkages of sediment transport in headwater streams, Maybeso Experimental Forest, southeast Alaska. Hydrological Processes, 2004, 18, 667-683.	1.1	56
83	Bed load transport in managed steep-gradient headwater streams of southeastern Alaska. Water Resources Research, 2003, 39, .	1.7	55
84	Characteristics of channel steps and reach morphology in headwater streams, southeast Alaska. Geomorphology, 2003, 51, 225-242.	1.1	106
85	Understanding Processes and Downstream Linkages of Headwater Systems. BioScience, 2002, 52, 905.	2.2	622
86	The characteristics of woody debris and sediment distribution in headwater streams, southeastern Alaska. Canadian Journal of Forest Research, 2001, 31, 1386-1399.	0.8	81