Yuichi Onda

List of Publications by Year
in descending order

236 papers	8,267 citations	41344 49 h-index	69250 77 g-index
258 all docs	258 docs citations	258 times ranked	5018 citing authors

#	Article	IF	Citations
1	Sensitivity of the Enhanced Vegetation Index (EVI) and Normalized Difference Vegetation Index (NDVI) to Topographic Effects: A Case Study in High-density Cypress Forest. Sensors, 2007, 7, 2636-2651.	3.8	502
2	Depth distribution of 137Cs, 134Cs, and 131I in soil profile after Fukushima Dai-ichi Nuclear Power Plant Accident. Journal of Environmental Radioactivity, 2012, 111, 59-64.	1.7	273
3	Detailed deposition density maps constructed by large-scale soil sampling for gamma-ray emitting radioactive nuclides from the Fukushima Dai-ichi Nuclear Power Plant accident. Journal of Environmental Radioactivity, 2015, 139, 308-319.	1.7	244
4	Dynamic runoff connectivity of overland flow on steep forested hillslopes: Scale effects and runoff transfer. Water Resources Research, 2008, 44, .	4.2	149
5	Vertical distribution and temporal changes of 137 Cs in soil profiles under various land uses after the Fukushima Dai-ichi Nuclear Power Plant accident. Journal of Environmental Radioactivity, 2015, 139, 351-361.	1.7	146
6	Radiocesium transfer from hillslopes to the Pacific Ocean after the Fukushima Nuclear Power Plant accident: A review. Journal of Environmental Radioactivity, 2015, 148, 92-110.	1.7	143
7	Interception of the Fukushima reactor accident–derived ^{137}Cs, [134]Cs and ^{131}I by coniferous forest canopies. Geophysical Research Letters, 2012, 39, .	4.0	132
8	Investigation of cesium adsorption on soil and sediment samples from Fukushima Prefecture by sequential extraction and EXAFS technique. Geochemical Journal, 2012, 46, 297-302.	1.0	125
9	Initial flux of sediment-associated radiocesium to the ocean from the largest river impacted by Fukushima Daiichi Nuclear Power Plant. Scientific Reports, 2014, 4, 3714.	3.3	124
10	Evolution of overland flow after a severe forest fire, Point Reyes, California. Catena, 2008, 72, 13-20.	5.0	121
11	The role of subsurface runoff through bedrock on storm flow generation. Hydrological Processes, 2001, 15, 1693-1706.	2.6	117
12	Temporal changes in radiocesium deposition in various forest stands following the Fukushima Dai-ichi Nuclear Power Plant accident. Journal of Environmental Radioactivity, 2017, 166, 449-457.	1.7	112
13	Estimation of soil splash detachment rates on the forest floor of an unmanaged Japanese cypress plantation based on field measurements of throughfall drop sizes and velocities. Catena, 2008, 72, 348-361.	5.0	104
14	Size distribution studies of 137Cs in river water in the Abukuma Riverine system following the Fukushima Dai-ichi Nuclear Power Plant accident. Journal of Environmental Radioactivity, 2015, 139, 379-389.	1.7	104
15	An extensive study of the concentrations of particulate/dissolved radiocaesium derived from the Fukushima Dai-ichi Nuclear Power Plant accident in various river systems and their relationship with catchment inventory. Journal of Environmental Radioactivity, 2015, 139, 370-378.	1.7	100
16	Simple monitoring method for precaution of landslides watching tilting and water contents on slopes surface. Landslides, 2010, 7, 351-357.	5.4	97
17	Radionuclides from the Fukushima Daiichi Nuclear Power Plant in terrestrial systems. Nature Reviews Earth & Environment, 2020, 1, 644-660.	29.7	94
18	Isotopic determination of U, Pu and Cs in environmental waters following the Fukushima Daiichi Nuclear Power Plant accident. Geochemical Journal, 2012, 46, 355-360.	1.0	92

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19	Tracking the early dispersion of contaminated sediment along rivers draining the Fukushima radioactive pollution plume. Anthropocene, 2013, 1, 23-34.	3.3	90
20	Transport and Redistribution of Radiocesium in Fukushima Fallout through Rivers. Environmental Science & Technology, 2019, 53, 12339-12347.	10.0	90
21	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.	5.4	89
22	Behavior of accidentally released radiocesium in soil–water environment: Looking at Fukushima from a Chernobyl perspective. Journal of Environmental Radioactivity, 2016, 151, 568-578.	1.7	87
23	Runoff generation mechanisms in high-relief mountainous watersheds with different underlying geology. Journal of Hydrology, 2006, 331, 659-673.	5.4	82
24	Surface runoff as affected by soil water repellency in a Japanese cypress forest. Hydrological Processes, 2007, 21, 2365-2376.	2.6	81
25	Spatial variability of throughfall under a single tree: Experimental study of rainfall amount, raindrops, and kinetic energy. Agricultural and Forest Meteorology, 2011, 151, 1173-1182.	4.8	81
26	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.	2.6	80
27	Are headwaters just the sum of hillslopes?. Hydrological Processes, 2005, 19, 3251-3261.	2.6	76
28	Evaluation of radiocaesium wash-off by soil erosion from various land uses using USLE plots. Journal of Environmental Radioactivity, 2015, 139, 362-369.	1.7	76
29	The role of litterfall in transferring Fukushima-derived radiocesium to a coniferous forest floor. Science of the Total Environment, 2014, 490, 435-439.	8.0	72
30	Development, evaluation and interpretation of sediment rating curves for a Japanese small mountainous reforested watershed. Geoderma, 2008, 144, 198-211.	5.1	71
31	Contribution of radioactive 137Cs discharge by suspended sediment, coarse organic matter, and dissolved fraction from a headwater catchment in Fukushima after the Fukushima Dai-ichi Nuclear Power Plant accident. Journal of Environmental Radioactivity, 2017, 166, 466-474.	1.7	66
32	Seepage erosion and its implication to the formation of amphitheatre valley heads: A case study at Obara, Japan. Earth Surface Processes and Landforms, 1994, 19, 627-640.	2.5	65
33	Distribution of cesium-137 in Japanese forest soils: Correlation with the contents of organic carbon. Science of the Total Environment, 1998, 222, 193-199.	8.0	65
34	Soil erosion rates on forested mountain hillslopes estimated using 137Cs and 210Pbex. Geoderma, 2010, 159, 39-52.	5.1	65
35	Soil sampling and analytical strategies for mapping fallout in nuclear emergencies based on the Fukushima Dai-ichi Nuclear Power Plant accident. Journal of Environmental Radioactivity, 2015, 139, 300-307.	1.7	65
36	The impact of typhoons on sediment connectivity: lessons learnt from contaminated coastal catchments of the Fukushima Prefecture (Japan). Earth Surface Processes and Landforms, 2017, 42, 306-317.	2.5	65

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37	Estimation of suspended sediment sources using ^{137}Cs and ^{210}Pb$_{ex}$ in unmanaged Japanese cypress plantation watersheds in southern Japan. Hydrological Processes, 2008, 22, 4519-4531.	2.6	62
38	Hydrogeomorphology: overview of an emerging science. Hydrological Processes, 2004, 18, 597-602.	2.6	61
39	Modeling of leachable 137Cs in throughfall and stemflow for Japanese forest canopies after Fukushima Daiichi Nuclear Power Plant accident. Science of the Total Environment, 2014, 493, 701-707.	8.0	59
40	Outline of the national mapping projects implemented after the Fukushima accident. Journal of Environmental Radioactivity, 2015, 139, 240-249.	1.7	59
41	Reconstruction of a Fukushima accident-derived radiocesium fallout map for environmental transfer studies. Journal of Environmental Radioactivity, 2019, 210, 105996.	1.7	58
42	Vertical distribution of radiocesium in coniferous forest soil after the Fukushima nuclear power plant accident. Journal of Environmental Radioactivity, 2014, 137, 37-45.	1.7	57
43	Determinant factors of sediment graphs and rating loops in a reforested watershed. Journal of Hydrology, 2008, 356, 271-282.	5.4	56
44	Effect of canopy thickness and canopy saturation on the amount and kinetic energy of throughfall: An experimental approach. Geophysical Research Letters, 2008, 35, .	4.0	56
45	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.	2.6	56
46	Effect of seepage on shallow landslides in consideration of changes in topography: Case study including an experimental sandy slope with artificial rainfall. Catena, 2018, 161, 50-62.	5.0	56
47	The role of subsurface water flow paths on hillslope hydrological processes, landslides and landform development in steep mountains of Japan. Hydrological Processes, 2004, 18, 637-650.	2.6	54
48	137Cs loss via soil erosion from a mountainous headwater catchment in central Japan. Science of the Total Environment, 2005, 350, 238-247.	8.0	52
49	Local distribution of radioactivity in tree leaves contaminated by fallout of the radionuclides emitted from the Fukushima Daiichi Nuclear Power Plant. Journal of Radioanalytical and Nuclear Chemistry, 2013, 295, 2007-2014.	1.5	51
50	Evolution of radioactive dose rates in fresh sediment deposits along coastal rivers draining Fukushima contamination plume. Scientific Reports, 2013, 3, 3079.	3.3	51
51	Do forests represent a long-term source of contaminated particulate matter in the Fukushima Prefecture?. Journal of Environmental Management, 2016, 183, 742-753.	7.8	50
52	Radiocesium distribution and fluxes in the typical Cryptomeria japonica forest at the late stage after the accident at Fukushima Dai-Ichi Nuclear Power Plant. Journal of Environmental Radioactivity, 2017, 166, 45-55.	1.7	50
53	Effect of canopy interception on spatial variability and isotopic composition of throughfall in Japanese cypress plantations. Journal of Hydrology, 2013, 504, 1-11.	5.4	49
54	Temporal changes in dissolved 137Cs concentrations in groundwater and stream water in Fukushima after the Fukushima Dai-ichi Nuclear Power Plant accident. Journal of Environmental Radioactivity, 2017, 166, 458-465.	1.7	49

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55	Analysis of runoff generation and soil erosion processes by using environmental radionuclides in semiarid areas of Mongolia. Journal of Hydrology, 2007, 333, 124-132.	5.4	47
56	Nutrient runoff from forested watersheds in central Japan during typhoon storms: implications for understanding runoff mechanisms during storm events. Hydrological Processes, 2007, 21, 1167-1178.	2.6	47
57	Six-year monitoring of the vertical distribution of radiocesium in three forest soils after the Fukushima Dai-ichi Nuclear Power Plant accident. Journal of Environmental Radioactivity, 2018, 192, 172-180.	1.7	47
58	Plot-scale study of surface runoff on well-covered forest floors under different canopy species. Quaternary International, 2014, 344, 75-85.	1.5	46
59	Renewed soil erosion and remobilisation of radioactive sediment in Fukushima coastal rivers after the 2013 typhoons. Scientific Reports, 2014, 4, 4574.	3.3	45
60	Fallout radionuclide-based techniques for assessing the impact of soil conservation measures on erosion control and soil quality: an overview of the main lessons learnt under an FAO/IAEA Coordinated Research Project. Journal of Environmental Radioactivity, 2012, 107, 78-85.	1.7	44
61	Soil removal as a decontamination practice and radiocesium accumulation in tadpoles in rice paddies at Fukushima. Environmental Pollution, 2014, 187, 112-115.	7.5	44
62	Six-year monitoring study of radiocesium transfer in forest environments following the Fukushima nuclear power plant accident. Journal of Environmental Radioactivity, 2019, 210, 105817.	1.7	44
63	Radiocaesium partitioning in Japanese cedar forests following the â€œearlyâ€•phase of Fukushima fallout redistribution. Scientific Reports, 2016, 6, 37618.	3.3	43
64	Particulate organic matter in rivers of Fukushima: An unexpected carrier phase for radiocesiums. Science of the Total Environment, 2017, 579, 1560-1571.	8.0	43
65	Using 137Cs and 210Pbex measurements to estimate soil redistribution rates on semi-arid grassland in Mongolia. Geomorphology, 2010, 114, 508-519.	2.6	42
66	Rainfall erosivity in catchments contaminated with fallout from the Fukushima Daiichi nuclear power plant accident. Hydrology and Earth System Sciences, 2016, 20, 2467-2482.	4.9	42
67	Field measurement of infiltration rate using an oscillating nozzle rainfall simulator in the cold, semiarid grassland of Mongolia. Catena, 2009, 76, 173-181.	5.0	41
68	Influence of water storage capacity in the regolith zone on hydrological characteristics, slope processes, and slope form. Zeitschrift FÃ¼r Geomorphologie, 1992, 36, 165-178.	0.8	41
69	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.	2.6	40
70	Effect of strip thinning on rainfall interception in a Japanese cypress plantation. Journal of Hydrology, 2015, 525, 607-618.	5.4	40
71	Role of bedrock groundwater in the rainfallâ€"runoff process in a small headwater catchment underlain by volcanic rock. Hydrological Processes, 2010, 24, 2771-2783.	2.6	39
72	The effect of strip thinning on tree transpiration in a Japanese cypress (Chamaecyparis obtusa Endl.) plantation. Agricultural and Forest Meteorology, 2014, 197, 123-135.	4.8	39

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73	The effect of slope angle on splash detachment in an unmanaged Japanese cypress plantation forest. Hydrological Processes, 2010, 24, 576-587.	2.6	38
74	Novel Insights into Fukushima Nuclear Accident from Isotopic Evidence of Plutonium Spread along Coastal Rivers. Environmental Science & Technology, 2014, 48, 9334-9340.	10.0	37
75	Effect of tree thinning and skidding trails on hydrological connectivity in two Japanese forest catchments. Geomorphology, 2017, 292, 104-114.	2.6	37
76	Environmental DNA provides information on sediment sources: A study in catchments affected by Fukushima radioactive fallout. Science of the Total Environment, 2019, 665, 873-881.	8.0	37
77	Incident rainfall partitioning and canopy interception modeling for an abandoned Japanese cypress stand. Journal of Forest Research, 2014, 19, 317-328.	1.4	36
78	Depth distribution of cesium-137 in paddy fields across the Fukushima pollution plume in 2013. Journal of Environmental Radioactivity, 2015, 147, 157-164.	1.7	36
79	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.	2.4	36
80	Behaviour of radiocaesium in coastal rivers of the Fukushima Prefecture (Japan) during conditions of low flow and low turbidity â€" Insight on the possible role of small particles and detrital organic compounds. Journal of Environmental Radioactivity, 2016, 151, 328-340.	1.7	36
81	The relationship of soil organic carbon to 210Pbex and 137Cs during surface soil erosion in a hillslope forested environment. Geoderma, 2013, 192, 59-67.	5.1	35
82	Characterisation of diffuse pollutions from forested watersheds in Japan during storm events â€" Its association with rainfall and watershed features. Science of the Total Environment, 2008, 390, 215-226.	8.0	34
83	Environmental mobility of 110mAg: lessons learnt from Fukushima accident (Japan) and potential use for tracking the dispersion of contamination within coastal catchments. Journal of Environmental Radioactivity, 2014, 130, 44-55.	1.7	34
84	Sediment particle size and initial radiocesium accumulation in ponds following the Fukushima DNPP accident. Scientific Reports, 2014, 4, 4514.	3.3	34
85	Spatial pattern of atmospherically deposited radiocesium on the forest floor in the early phase of the Fukushima Daiichi Nuclear Power Plant accident. Science of the Total Environment, 2018, 615, 187-196.	8.0	34
86	Investigating erosion rates within a Japanese cypress plantation using Csâ€“137 and Pbâ€“210$_{ex}$ measurements. Journal of Geophysical Research, 2008, 113, .	3.3	33
87	Investigation of Spatial Distribution of Radiocesium in a Paddy Field as a Potential Sink. PLoS ONE, 2013, 8, e80794.	2.5	31
88	Natural attenuation of Fukushima-derived radiocesium in soils due to its vertical and lateral migration. Journal of Environmental Radioactivity, 2018, 186, 23-33.	1.7	31
89	Vertical distribution of radiocesium in soils of the area affected by the Fukushima Dai-ichi nuclear power plant accident. Eurasian Soil Science, 2016, 49, 570-580.	1.6	30
90	Radioactive and stable cesium isotope distributions and dynamics in Japanese cedar forests. Journal of Environmental Radioactivity, 2018, 186, 34-44.	1.7	30

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91	Partitioning of the total evapotranspiration in a Japanese cypress plantation during the growing season. Ecohydrology, 2014, 7, 1042-1053.	2.4	29
92	Characterization of the groundwater response to rainfall on a hillslope with fractured bedrock by creep deformation and its implication for the generation of deep-seated landslides on Mt. Wanitsuka, Kyushu Island. Geomorphology, 2014, 204, 444-458.	2.6	29
93	Equation to predict the 137Cs leaching dynamic from evergreen canopies after a radio-cesium deposit. Journal of Environmental Radioactivity, 2015, 147, 100-107.	1.7	29
94	Estimation of throughfall with changing stand structures for Japanese cypress and cedar plantations. Forest Ecology and Management, 2017, 402, 145-156.	3.2	29
95	The seasonal variations of atmospheric 134,137Cs activity and possible host particles for their resuspension in the contaminated areas of Tsushima and Yamakiya, Fukushima, Japan. Progress in Earth and Planetary Science, 2018, 5, .	3.0	28
96	Coupling of runoff processes and sediment transport in mountainous watersheds underlain by different sedimentary rocks. Hydrological Processes, 2004, 18, 623-636.	2.6	27
97	The Role of Horton Overland Flow in Rainfall-runoff Process in an Unchanneled Catchment Covered by Unmanaged Hinoki Plantation. Suimon Mizu Shigen Gakkaishi, 2006, 19, 17-24.	0.1	27
98	Baseflow concentrations of nitrogen and phosphorus in forested headwaters in Japan. Science of the Total Environment, 2008, 402, 113-122.	8.0	26
99	Investigating the source of radiocesium contaminated sediment in two Fukushima coastal catchments with sediment tracing techniques. Anthropocene, 2016, 13, 57-68.	3.3	26
100	Time Dependence of the ^{137}Cs Concentration in Particles Discharged from Rice Paddies to Freshwater Bodies after the Fukushima Daiichi NPP Accident. Environmental Science & Technology, 2016, 50, 4186-4193.	10.0	26
101	The effect of strip thinning on forest floor evaporation in a Japanese cypress plantation. Agricultural and Forest Meteorology, 2016, 216, 48-57.	4.8	26
102	Variability of surface runoff generation and infiltration rate under a tree canopy: indoor rainfall experiment using Japanese cypress (*Chamaecyparis obtusa*). Hydrological Processes, 2010, 24, 567-575.	2.6	25
103	Relationship between particle size and radiocesium in fluvial suspended sediment related to the Fukushima Daiichi Nuclear Power Plant accident. Journal of Radioanalytical and Nuclear Chemistry, 2014, 301, 607-613.	1.5	25
104	Effect of topography and soil parameterisation representing soil thicknesses on shallow landslide modelling. Quaternary International, 2015, 384, 91-106.	1.5	25
105	Effects of soil depth and subsurface flow along the subsurface topography on shallow landslide predictions at the site of a small granitic hillslope. Geomorphology, 2016, 271, 40-54.	2.6	25
106	Source dynamics of radiocesium-contaminated particulate matter deposited in an agricultural water reservoir after the Fukushima nuclear accident. Science of the Total Environment, 2018, 612, 1079-1090.	8.0	25
107	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.	8.0	25
108	Quantifying the dilution of the radiocesium contamination in Fukushima coastal river sediment (2011â€"2015). Scientific Reports, 2016, 6, 34828.	3.3	24

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109	Land use types control solid wash-off rate and entrainment coefficient of Fukushima-derived 137Cs, and their time dependence. Journal of Environmental Radioactivity, 2019, 210, 105990.	1.7	24
110	Temporal changes in the transfer of accidentally released 137Cs from tree crowns to the forest floor after the Fukushima Daiichi Nuclear Power Plant accident. Progress in Nuclear Science and Technology, 2014, 4, 18-22.	0.3	24
111	The effect of strip thinning on spatial and temporal variability of throughfall in a Japanese cypress plantation. Hydrological Processes, 2015, 29, 5058-5070.	2.6	23
112	Downward migration of radiocesium in an abandoned paddy soil after the Fukushima Dai-ichi Nuclear Power Plant accident. Journal of Environmental Radioactivity, 2018, 182, 157-164.	1.7	23
113	Factors controlling dissolved 137Cs concentrations in east Japanese Rivers. Science of the Total Environment, 2019, 697, 134093.	8.0	23
114	Migration of Radiocaesium with Litterfall in Hardwood-Japanese Red Pine Mixed Forest and Sugi Plantation. Journal of the Japanese Forest Society, 2013, 95, 267-274.	0.2	23
115	Radiocesium discharge from paddy fields with different initial scrapings for decontamination after the Fukushima Dai-ichi Nuclear Power Plant accident. Environmental Sciences: Processes and Impacts, 2014, 16, 2580-2591.	3.5	22
116	Analysis of stream water temperature changes during rainfall events in forested watersheds. Limnology, 2010, 11, 115-124.	1.5	21
117	Temporal changes of radiocesium in irrigated paddy fields and its accumulation in rice plants in Fukushima. Environmental Pollution, 2016, 208, 562-570.	7.5	21
118	Vertical distribution and temporal dynamics of dissolved 137Cs concentrations in soil water after the Fukushima Dai-ichi Nuclear Power Plant accident. Environmental Pollution, 2017, 230, 1090-1098.	7.5	21
119	Radiocesium migration in the litter layer of different forest types in Fukushima, Japan. Journal of Environmental Radioactivity, 2018, 187, 81-89.	1.7	21
120	Six-year monitoring study of 137Cs discharge from headwater catchments after the Fukushima Dai-ichi Nuclear Power Plant accident. Journal of Environmental Radioactivity, 2019, 210, 106001.	1.7	21
121	Stream water chemistry in a steep headwater basin with high relief. Hydrological Processes, 2001, 15, 1847-1858.	2.6	20
122	Estimation of temporal variation in splash detachment in two Japanese cypress plantations of contrasting age. Earth Surface Processes and Landforms, 2010, 35, 993-1005.	2.5	20
123	Reconstruction of uranium and plutonium isotopic signatures in sediment accumulated in the Mano Dam reservoir, Japan, before and after the Fukushima nuclear accident. Chemosphere, 2019, 225, 849-858.	8.2	20
124	Spatial Variation in Specific Discharge of Base Flow in a Small Catchments, Oe-Yama Region, Western Japan.. Suimon Mizu Shigen Gakkaishi, 1996, 9, 489-497.	0.1	19
125	An experimental study on the burrowing activity of river crabs on subsurface water movement and piping erosion. Geomorphology, 1997, 20, 279-288.	2.6	19
126	Small scale temporal distribution of radiocesium in undisturbed coniferous forest soil: Radiocesium depth distribution profiles. Journal of Environmental Management, 2016, 170, 97-104.	7.8	19

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127	Determining the initial Fukushima reactor accident-derived cesium-137 fallout in forested areas of municipalities in Fukushima Prefecture. Journal of Forest Research, 2018, 23, 73-84.	1.4	19
128	Impacts of direct release and river discharge on oceanic 137Cs derived from the Fukushima Dai-ichi Nuclear Power Plant accident. Journal of Environmental Radioactivity, 2020, 214-215, 106173.	1.7	19
129	Factors affecting the infiltration capacity in bamboo groves. Journal of Forest Research, 2012, 17, 403-412.	1.4	18
130	Using spectrocolourimetry to trace sediment source dynamics in coastal catchments draining the main Fukushima radioactive pollution plume (2011–2017). Journal of Soils and Sediments, 2019, 19, 3290-3301.	3.0	18
131	Methods for Measuring Iinfiltration Rate in Forest Floor in Hinoki Plantations. Suimon Mizu Shigen Gakkaishi, 2005, 18, 688-694.	0.1	18
132	Effects of Understory Vegetation on Infiltration Capacity in Japanese Cypress Plantation.. Journal of the Japanese Forest Society, 2010, 92, 145-150.	0.2	18
133	Investigation of a bright flying object over northwest Spain, 1994 January 18. Meteoritics and Planetary Science, 1998, 33, 57-64.	1.6	17
134	Characterizing the flush of stream chemical runoff from forested watersheds. Hydrological Processes, 2010, 24, 2960-2970.	2.6	17
135	Change in evapotranspiration partitioning after thinning in a Japanese cypress plantation. Trees - Structure and Function, 2017, 31, 1411-1421.	1.9	17
136	Radiocesium concentrations in soil and leaf after decontamination practices in a forest plantation highly polluted by the Fukushima accident. Environmental Pollution, 2018, 239, 448-456.	7.5	17
137	Spatial and temporal variation in vertical migration of dissolved 137Cs passed through the litter layer in Fukushima forests. Journal of Environmental Radioactivity, 2018, 192, 1-9.	1.7	17
138	Thresholds for bed load transport and channel initiation in a chert area in Ashio Mountains, Japan: An empirical approach from hydrogeomorphic observations. Journal of Geophysical Research, 2006, 111, .	3.3	16
139	Long-term changes in lake sediments and their infl uences on lake water quality in Japanese shallow lakes. Fundamental and Applied Limnology, 2010, 177, 177-188.	0.7	16
140	A new approach for simulating the redistribution of soil particles by water erosion: A marker‐in‐cell model. Journal of Geophysical Research, 2012, 117, .	3.3	16
141	Evaluation of forest decontamination using radiometric measurements. Journal of Environmental Radioactivity, 2016, 164, 133-144.	1.7	16
142	Plutonium isotopic signatures in soils and their variation (2011-2014) in sediment transiting a coastal river in the Fukushima Prefecture, Japan. Environmental Pollution, 2018, 240, 167-176.	7.5	16
143	Impact of wildfire on 137Cs and 90Sr wash-off in heavily contaminated forests in the Chernobyl exclusion zone. Environmental Pollution, 2020, 259, 113764.	7.5	16
144	Field Measurement of Infiltration Rate Using an Oscillating Nozzle Rainfall Simulator in Devastated Hinoki Plantation. Suimon Mizu Shigen Gakkaishi, 2008, 21, 439-448.	0.1	16

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145	Interaction between runoff – bedrock groundwater in a steep headwater catchment underlain by sedimentary bedrock fractured by gravitational deformation. Hydrological Processes, 2015, 29, 4398-4412.	2.6	15
146	Internal exposure to neutron-activated 56Mn dioxide powder in Wistar rats: part 1: dosimetry. Radiation and Environmental Biophysics, 2017, 56, 47-54.	1.4	15
147	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, 2019, 223, 103474.	3.3	15
148	Dissolved 137Cs concentrations in stream water and subsurface water in a forested headwater catchment after the Fukushima Dai-ichi Nuclear Power Plant accident. Journal of Hydrology, 2019, 573, 688-696.	5.4	15
149	A Nitrogen-Saturated Plantation of *Cryptomeria japonica* and *Chamaecyparis obtusa* in Japan Is a Large Nonpoint Nitrogen Source. Journal of Environmental Quality, 2015, 44, 1225-1232.	2.0	14
150	Dynamics of radionuclide activity concentrations in weed leaves, crops and of air dose rate after the Fukushima Daiichi Nuclear Power Plant accident. Journal of Environmental Radioactivity, 2020, 222, 106347.	1.7	14
151	Is MUSLE apt to small steeply reforested watershed?. Journal of Forest Research, 2007, 12, 270-277.	1.4	13
152	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.	1.5	13
153	Using sediment travel distance to estimate medium-term erosion rates: a 16-year record. Earth Surface Processes and Landforms, 2010, 35, 1694-1700.	2.5	13
154	Suspended-sediment responses after strip thinning in headwater catchments. Landscape and Ecological Engineering, 2016, 12, 197-208.	1.5	13
155	Effects of slope gradient on runoff from bare-fallow purple soil in China under natural rainfall conditions. Journal of Mountain Science, 2018, 15, 738-751.	2.0	13
156	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.	0.2	13
157	Sediment-Associated Radiocesium Originated from Fukushima Daiichi Nuclear Power Plant Flowing from Ohori River to Lake Teganuma. Journal of Water and Environment Technology, 2015, 13, 249-261.	0.7	12
158	Shifts of radiocesium vertical profiles in sediments and their modelling in Japanese lakes. Science of the Total Environment, 2018, 615, 741-750.	8.0	12
159	Radionuclide contamination in flood sediment deposits in the coastal rivers draining the main radioactive pollution plume of Fukushima Prefecture, Japan (2011–2020). Earth System Science Data, 2021, 13, 2555-2560.	9.9	12
160	Detecting forest degradation in Kochi, Japan: ground-based measurements versus satellite (Terra/ASTER) remote sensing. Hydrological Processes, 2010, 24, 588-595.	2.6	11
161	Atmospheric ^{210}Pb as a tracer for soil organic carbon transport in a coniferous forest. Environmental Sciences: Processes and Impacts, 2015, 17, 110-119.	3.5	11
162	Influence of subsurface flow by Lidar DEMs and physical soil strength considering a simple hydrologic concept for shallow landslide instability mapping. Catena, 2019, 182, 104137.	5.0	11

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163	Factors controlling the variability of 137Cs concentrations in 5 coastal rivers around Fukushima Dai-ichi power plant. Journal of Environmental Radioactivity, 2019, 204, 1-11.	1.7	11
164	Temporal Change in Radiological Environments on Land after the Fukushima Daiichi Nuclear Power Plant Accident. Journal of Radiation Protection and Research, 2019, 44, 128-148.	0.6	11
165	Persistent impact of Fukushima decontamination on soil erosion and suspended sediment. Nature Sustainability, 2022, 5, 879-889.	23.7	11
166	Peak flow responses to strip thinning in a nested, forested headwater catchment. Hydrological Processes, 2015, 29, 5098-5108.	2.6	10
167	Rain-induced bioecological resuspension of radiocaesium in a polluted forest in Japan. Scientific Reports, 2020, 10, 15330.	3.3	10
168	Seasonal changes of nitrate concentrations in baseflow headwaters of coniferous forests in Japan: A significant indicator for N saturation. Catena, 2008, 76, 63-69.	5.0	9
169	Temporal changes of the ambient dose rate in the forest environments of Fukushima Prefecture following the Fukushima reactor accident. Journal of Environmental Radioactivity, 2018, 193-194, 20-26.	1.7	9
170	Effectivity of dissolved SF_6 tracer for clarification of rainfall–runoff processes in a forested headwater catchment. Hydrological Processes, 2019, 33, 892-904.	2.6	9
171	Six-year monitoring of the vertical distribution of radiocesium in three forest soils after the Fukushima Dai-ichi Nuclear Power Plant accident. Journal of Environmental Radioactivity, 2019, 210, 105811.	1.7	9
172	Experimental Study on Spatial Distribution of Throughfall Under a Japanese Cypress Tree. Suimon Mizu Shigen Gakkaishi, 2008, 21, 273-284.	0.1	9
173	Vertical distribution and transport of radiocesium via branchflow and stemflow through the canopy of cedar and oak stands in the aftermath of the Fukushima Dai-ichi Nuclear Power Plant accident. Science of the Total Environment, 2022, 818, 151698.	8.0	9
174	A storm-induced flood and associated nearshore dispersal of the river-derived suspended 137Cs. Science of the Total Environment, 2022, 816, 151573.	8.0	9
175	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.	7.8	9
176	DHPT 1.0: New software for automatic analysis of canopy closure from under-exposed and over-exposed digital hemispherical photographs. Computers and Electronics in Agriculture, 2016, 125, 39-47.	7.7	8
177	Impact of forest thinning on the dynamics of litterfall derived 137Cs deposits in coniferous forest floor after Fukushima accident. Chemosphere, 2020, 239, 124777.	8.2	8
178	Stream Temperature Response to 50% Strip-Thinning in a Temperate Forested Headwater Catchment. Water (Switzerland), 2021, 13, 1022.	2.7	8
179	Dataset on the 6-year radiocesium transport in rivers near Fukushima Daiichi nuclear power plant. Scientific Data, 2020, 7, 433.	5.3	8
180	Improving transfer functions to describe radiocesium wash-off fluxes for the Niida River by a Bayesian approach. Journal of Environmental Radioactivity, 2017, 167, 100-109.	1.7	7

#	Article	IF	Citations
181	Scots pine stands biomass assessment using 3D data from unmanned aerial vehicle imagery in the Chernobyl Exclusion Zone. Journal of Environmental Management, 2021, 295, 113319.	7.8	7
182	Radiocesium leaching from litter during rainstorms in the Fukushima broadleaf forest. Science of the Total Environment, 2021, 796, 148929.	8.0	7
183	Infiltration Capacity and Runoff Characteristics of a Forest Road. Journal of the Japanese Forest Society, 2014, 96, 315-322.	0.2	6
184	Influence of strip thinning on nutrient outflow concentrations from plantation forested watersheds. Hydrological Processes, 2015, 29, 5109-5119.	2.6	6
185	Spatio-temporal streamflow generation in a small, steep headwater catchment in western Japan. Hydrological Sciences Journal, 2017, 62, 818-829.	2.6	6
186	Application of RFID to Soil-Erosion Research. Applied Sciences (Switzerland), 2018, 8, 2511.	2.5	6
187	Method for detecting and characterising actinide-bearing micro-particles in soils and sediment of the Fukushima Prefecture, Japan. Journal of Radioanalytical and Nuclear Chemistry, 2019, 321, 57-69.	1.5	6
188	Soil and vegetation sampling during the early stage of Fukushima Daiichi Nuclear Power Plant accident and the implication for the emergency preparedness for agricultural systems. Journal of Environmental Radioactivity, 2020, 223-224, 106373.	1.7	6
189	Factors Controlling the Dissolved ^{137}Cs Seasonal Fluctuations in the Abukuma River Under the Influence of the Fukushima Nuclear Power Plant Accident. Journal of Geophysical Research G: Biogeosciences, 2022, 127, e2021JG006591.	3.0	6
190	Estimating Soil Erosion Rate and Sediment Sources Using Radionuclide Pb-210ex in Upper Brantas River Basin in Indonesia. Suimon Mizu Shigen Gakkaishi, 2009, 22, 188-197.	0.1	5
191	Relation between Infiltration Rate, Cover Material and Hydraulic Conductivity of Forest Soils in Japanese Cedar and Hiba Arborvitae Plantation Forests. Suimon Mizu Shigen Gakkaishi, 2014, 27, 125-134.	0.1	5
192	Preface to a special issue "Japanese national mapping projects on large-scale environmental monitoring and mapping in Fukushima volume 2". Journal of Environmental Radioactivity, 2017, 166, 417-418.	1.7	5
193	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.	2.6	5
194	Repeatability and reproducibility of measurements of low dissolved radiocesium concentrations in freshwater using different pre-concentration methods. Journal of Radioanalytical and Nuclear Chemistry, 2019, 322, 477-485.	1.5	5
195	Radiocarbon and radiocesium in litter fall at Kawamata,≈45 km NW from the Fukushima Dai-ichi nuclear power plant (Japan). Journal of Radioanalytical and Nuclear Chemistry, 2019, 319, 1093-1101.	1.5	5
196	Differences in leaching characteristics of dissolved radiocaesium and potassium from the litter layer of Japanese cedar and broadleaf forests in Fukushima, Japan. Journal of Environmental Radioactivity, 2020, 223-224, 106417.	1.7	5
197	Runoff and Chemical Characteristics in Stream Water of Hilly Headwater Basins Underlain by Gravel and Weathered Granite.. Suimon Mizu Shigen Gakkaishi, 2001, 14, 229-238.	0.1	5
198	The use of RFID in soil-erosion research. Earth Surface Processes and Landforms, 2014, 39, 1693-1696.	2.5	4

#	Article	IF	Citations
199	Simulating dissolved 90Sr concentrations within a small catchment in the Chernobyl Exclusion Zone using a parametric hydrochemical model. Scientific Reports, 2020, 10, 9818.	3.3	4
200	A database of water and heat observations over grassland in the north-east of Japan. Earth System Science Data, 2018, 10, 2295-2309.	9.9	4
201	Evaluation of interrill erosion under forest canopy. Hydrological Research Letters, 2009, 3, 36-40.	0.5	3
202	Temporal variations of reservoir sediment sources in a small mountainous catchment in Korea. Earth Surface Processes and Landforms, 2013, 38, 1380-1392.	2.5	3
203	Analysis of Overland Flow Generation and Catchment Storm Runoff Using a Distributed Runoff Model in a Headwater Catchment Draining Japanese Cypress Forest. Journal of the Japanese Forest Society, 2013, 95, 23-31.	0.2	3
204	Effect of topsoil removal and selective countermeasures on radiocesium accumulation in rice plants in Fukushima paddy field. Science of the Total Environment, 2017, 603-604, 49-56.	8.0	3
205	Comparing root water uptake profile estimations from an isotope-calibrated mechanistic model and a mixing model. Hydrological Research Letters, 2017, 11, 161-167.	0.5	3
206	Temporal changes of the ambient dose rate in the forest environments of Fukushima Prefecture following the Fukushima reactor accident. Journal of Environmental Radioactivity, 2019, 210, 106058.	1.7	3
207	Effect of forest thinning on hydrologic nitrate exports from a N-saturated plantation. Journal of Forestry Research, 2020, 31, 387-395.	3.6	3
208	Spatial variation and radiocesium flux of litterfall in hardwood-pine mixed forest and cedar plantations based on long-term monitoring data. Journal of Radioanalytical and Nuclear Chemistry, 2020, 326, 1491-1504.	1.5	3
209	Impacts of freeze-thaw processes and subsequent runoff on 137Cs washoff from bare land in Fukushima. Science of the Total Environment, 2021, 769, 144706.	8.0	3
210	Assessment of error in sediment core sampling in lakes using radiocesium derived from the Fukushima Nuclear Accident. Japanese Journal of Limnology, 2016, 78, 67-74.	0.1	3
211	Pre- and post-accident environmental transfer of radionuclides in Japan: lessons learned in the IAEA MODARIA II programme. Journal of Radiological Protection, 2022, 42, 020509.	1.1	3
212	Evaluating changes in catchment€scale evapotranspiration after 50% strip€thinning in a headwater catchment. Hydrological Processes, 2022, 36, .	2.6	3
213	Effects of Thinning on Flow Peaks in a Forested Headwater Catchment in Western Japan. Water (Switzerland), 2017, 9, 446.	2.7	2
214	Preface: Integration of knowledge on the radiological environment around the Fukushima Nuclear Power Plant site over a period of six years. Journal of Environmental Radioactivity, 2019, 210, 106003.	1.7	2
215	Estimating the Economic Effect of Heavy Thinning on the Water Resource Storage Function of Dense Japanese Cypress Plantations. Suimon Mizu Shigen Gakkaishi, 2010, 23, 437-443.	0.1	2
216	Establishment of the Soil Sampling Protocol. Radioisotopes, 2013, 62, 767-773.	0.2	2

#	Article	IF	Citations
217	Tracking the origin and dispersion of contaminated sediments transported by rivers draining the Fukushima radioactive contaminant plume. Proceedings of the International Association of Hydrological Sciences, 0, 367, 237-243.	1.0	2
218	A Large-Size Laboratory Experiment on the Effect of Subsurface Flow Movement with Bedrock Fissures on Runoff Generation. Suimon Mizu Shigen Gakkaishi, 2004, 17, 252-263.	0.1	2
219	Predicting Hydrographs for an Extremely Large Storm Event Using Tank Models Calibrated by Ordinary Storm Events. Suimon Mizu Shigen Gakkaishi, 2013, 26, 85-98.	0.1	2
220	Evaluation of contribution rate of the infiltrated water collected using zero-tension lysimeter to the downward migration of 137Cs derived from the FDNPP accident in a cedar forest soil. Science of the Total Environment, 2022, 816, 151983.	8.0	2
221	Importance of interdisciplinary big funding for hydrology and water resource studies. Suimon Mizu Shigen Gakkaishi, 2014, 27, 5-6.	0.1	1
222	Comparison of Concentration Methods for Low-level Radiocesium in Fresh Water. Bunseki Kagaku, 2017, 66, 299-307.	0.2	1
223	Sampling, analysis and modelling technologies for large-scale nuclear emergencies affecting food and agriculture. Journal of Environmental Radioactivity, 2020, 218, 106174.	1.7	1
224	Migration Behavior of Particulate 129I in the Niida River System. , 2016, , 57-63.		1
225	The Delayed Runoff Hydrograph: a Possibility for Bedrock Groundwater Outflow. Journal of Japanese Association of Hydrological Sciences, 2001, 31, 2_49-2_58.	0.2	1
226	Immobilisation of radiocesium in stemwood and the effect of the removal treatment of organic horizon. Journal of the Japanese Society of Revegetation Technology, 2016, 42, 128-133.	0.1	1
227	The Role of Scientist on the Study of Environmental Behavior of Fallout Radionuclides Derived from Fukushima Daiichi Npp Accident. Trends in the Sciences, 2018, 23, 3_10-3_17.	0.0	1
228	Environmental Dynamics of Radiocaesium and Long-term Prediction of Transfer in Terrestrial Environmentâ€"Transfer and Cycling of Radiocaesium in Forest Environmentâ€". Radioisotopes, 2020, 69, 67-77.	0.2	1
229	Detecting forest degradation in Kochi, Japan: combining in situ field measurements with remote sensing techniques. , 0, , .		0
230	Changes in sedimentation rates and phosphorus accumulation in shallow Japanese lakes during 30 years. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 2009, 30, 1219-1224.	0.1	0
231	Ocean Transport of Radioactive Materials. , 2019, , 128-166.		0
232	Diffusion and Deposition of Radioactive Materials in the Terrestrial Environment. , 2019, , 167-212.		0
233	Recommendations for the Fukushima Project from Foreign Scientists. , 2019, , 328-334.		0
234	Factors Affecting Sedimentary Outflow from Talus Slope by Debris Flow: A Laboratory Experiment. Geographical Review of Japan, 2005, 78, 859-866.	0.1	0

#	ARTICLE	IF	CITATIONS
235	Current Status of Radionuclides in Forest and Their Transfer. Trends in the Sciences, 2013, 18, 6_72-6_77.	0.0	0
236	Distribution of radiocesium and its controlling factors under the Japanese cedar canopies. Journal of Environmental Management, 2022, 314, 115064.	7.8	0