Shusuke Miyata

List of Publications by Year
in descending order

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28	1,178	471509	501196
papers	citations	17 h-index	28 g-index

28	28	28	1217
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dynamic runoff connectivity of overland flow on steep forested hillslopes: Scale effects and runoff transfer. Water Resources Research, 2008, 44, .	4.2	149
2	Debris-flow monitoring and warning: Review and examples. Earth-Science Reviews, 2019, 199, 102981.	9.1	106
3	Effects of forest floor coverage on overland flow and soil erosion on hillslopes in Japanese cypress plantation forests. Water Resources Research, 2009, 45, .	4.2	102
4	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
5	Surface runoff as affected by soil water repellency in a Japanese cypress forest. Hydrological Processes, 2007, 21, 2365-2376.	2.6	81
6	Characteristics of overland flow generation on steep forested hillslopes of central Japan. Journal of Hydrology, 2008, 361, 275-290.	5.4	81
7	Are headwaters just the sum of hillslopes?. Hydrological Processes, 2005, 19, 3251-3261.	2.6	76
8	Development, evaluation and interpretation of sediment rating curves for a Japanese small mountainous reforested watershed. Geoderma, 2008, 144, 198-211.	5.1	71
9	Effect of ground cover on splash and sheetwash erosion over a steep forested hillslope: A plot-scale study. Catena, 2011, 85, 34-47.	5.0	67
10	Determinant factors of sediment graphs and rating loops in a reforested watershed. Journal of Hydrology, 2008, 356, 271-282.	5.4	56
11	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
12	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
13	Spatial pattern of infiltration rate and its effect on hydrological processes in a small headwater catchment. Hydrological Processes, 2010, 24, 535-549.	2.6	34
14	Effects of the lateral and vertical expansion of the water flowpath in bedrock on temporal changes in hillslope discharge. Geophysical Research Letters, 2008, 35, .	4.0	25
15	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
16	Effect of forest thinning on overland flow generation on hillslopes covered by Japanese cypress. Ecohydrology, 2011, 4, 367-378.	2.4	21
17	Downslope soil detachmentâ€“transport on steep slopes via rain splash. Hydrological Processes, 2011, 25, 2471-2480.	2.6	21
18	Is MUSLE apt to small steeply reforested watershed?. Journal of Forest Research, 2007, 12, 270-277.	1.4	13

#	Article	IF	Citations
19	Peak flow responses and recession flow characteristics after thinning of Japanese cypress forest in a headwater catchment. Hydrological Research Letters, 2012, 6, 35-40.	0.5	13
20	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
21	Numerical simulation method for predicting a flood hydrograph due to progressive failure of a landslide dam. Landslides, 2021, 18, 3655-3670.	5.4	10
22	Application of time domain reflectometry to high suspended sediment concentration measurements: Laboratory validation and preliminary field observations in a steep mountain stream. Journal of Hydrology, 2020, 585, 124747.	5.4	7
23	Infiltration Capacity and Runoff Characteristics of a Forest Road. Journal of the Japanese Forest Society, 2014, 96, 315-322.	0.2	6
24	Development of new sensor systems for continuous bedload monitoring using a submerged loadâ€cell system (SLS). Earth Surface Processes and Landforms, 2018, 43, 1689-1700.	2.5	4
25	Temporal Changes in Runoff Characteristics of Lahars After the 1984 Eruption of Mt. Merapi, Indonesia. Journal of Disaster Research, 2019, 14, 61-68.	0.7	4
26	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
27	Laboratory based continuous bedload monitoring in a model retention basin: Application of time domain reflectometry. Earth Surface Processes and Landforms, 2018, 43, 2022-2030.	2.5	3
28	Impact of Sika Deer on Soil Properties and Erosion. Structure and Function of Mountain Ecosystems in Japan, 2022, , 399-413.	0.5	2