Virginia Ruizâ€Villanueva

List of Publications by Year
in descending order

71	2,332	186265	233421
papers	citations	28 h-index	45 g-index

81	81	81	1528
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent advances quantifying the large wood dynamics in river basins: New methods and remaining challenges. Reviews of Geophysics, 2016, 54, 611-652.	23.0	169
2	Remotely sensed rivers in the Anthropocene: state of the art and prospects. Earth Surface Processes and Landforms, 2020, 45, 157-188.	2.5	128
3	The Natural Wood Regime in Rivers. BioScience, 2019, 69, 259-273.	4.9	121
4	Dendrogeomorphic analysis of flash floods in a small ungauged mountain catchment (Central Spain). Geomorphology, 2010, 118, 383-392.	2.6	106
5	Two-dimensional numerical modeling of wood transport. Journal of Hydroinformatics, 2014, 16, 1077-1096.	2.4	105
6	Twoâ€dimensional modelling of large wood transport during flash floods. Earth Surface Processes and Landforms, 2014, 39, 438-449.	2.5	84
7	Characterization of woodâ€laden flows in rivers. Earth Surface Processes and Landforms, 2019, 44, 1694-1709.	2.5	72
8	Large wood transport as significant influence on flood risk in a mountain village. Natural Hazards, 2014, 74, 967-987.	3.4	71
9	Reconstruction of a flash flood with large wood transport and its influence on hazard patterns in an ungauged mountain basin. Hydrological Processes, 2013, 27, 3424-3437.	2.6	68
10	Factors controlling large-wood transport in a mountain river. Geomorphology, 2016, 272, 21-31.	2.6	63
11	Challenges in paleoflood hydrology applied to risk analysis in mountainous watersheds â€“ A review. Journal of Hydrology, 2015, 529, 449-467.	5.4	61
12	POTENTIAL LARGE WOODY DEBRIS RECRUITMENT DUE TO LANDSLIDES, BANK EROSION AND FLOODS IN MOUNTAIN BASINS: A QUANTITATIVE ESTIMATION APPROACH. River Research and Applications, 2014, 30, 81-97.	1.7	59
13	Characterisation of flash floods in small ungauged mountain basins of Central Spain using an integrated approach. Catena, 2013, 110, 32-43.	5.0	55
14	Assessing and mitigating large woodâ€related hazards in mountain streams: recent approaches. Journal of Flood Risk Management, 2018, 11, 207-222.	3.3	55
15	Recent catastrophic landslide lake outburst floods in the Himalayan mountain range. Progress in Physical Geography, 2017, 41, 3-28.	3.2	54
16	Floods at the northern foothills of the Tatra Mountains â€” A Polish-Swiss research project. Acta Geophysica, 2014, 62, 620-641.	2.0	53
17	Extreme flood response to short-duration convective rainfall in South-West Germany. Hydrology and Earth System Sciences, 2012, 16, 1543-1559.	4.9	47
18	Dendrogeomorphology in badlands: Methods, case studies and prospects. Catena, 2013, 106, 113-122.	5.0	47

#	Article	IF	Citations
19	Inâ€channel woodâ€related hazards at bridges: <scp>A</scp> review. River Research and Applications, 2018, 34, 617-628.	1.7	46
20	Exploring large wood retention and deposition in contrasting river morphologies linking numerical modelling and field observations. Earth Surface Processes and Landforms, 2016, 41, 446-459.	2.5	41
21	Wood density and moisture sorption and its influence on large wood mobility in rivers. Catena, 2016, 140, 182-194.	5.0	41
22	Glacial lake inventory and lake outburst potential in Uzbekistan. Science of the Total Environment, 2017, 592, 228-242.	8.0	41
23	The role of flood hydrograph in the remobilization of large wood in a wide mountain river. Journal of Hydrology, 2016, 541, 330-343.	5.4	37
24	Quantification of fluvial wood using UAVs and structure from motion. Geomorphology, 2019, 345, 106837.	2.6	34
25	Cascading processes in a changing environment: Disturbances on fluvial ecosystems in Chile and implications for hazard and risk management. Science of the Total Environment, 2019, 655, 1089-1103.	8.0	34
26	Large wood clogging during floods in a gravelâ€bed river: the DÅ‚ugopole bridge in the Czarny Dunajec River, Poland. Earth Surface Processes and Landforms, 2017, 42, 516-530.	2.5	33
27	Impacts of a large flood along a mountain river basin: the importance of channel widening and estimating the large wood budget in the upper Emme River (Switzerland). Earth Surface Dynamics, 2018, 6, 1115-1137.	2.4	33
28	Log transport and deposition in incised, channelized, and multithread reaches of a wide mountain river: Tracking experiment during a 20-year flood. Geomorphology, 2017, 279, 98-111.	2.6	30
29	Reflections on the history of research on large wood in rivers. Earth Surface Processes and Landforms, 2021, 46, 55-66.	2.5	30
30	Can tree tilting be used for paleoflood discharge estimations?. Journal of Hydrology, 2015, 529, 480-489.	5.4	28
31	Decadal variability of floods in the northern foreland of the Tatra Mountains. Regional Environmental Change, 2016, 16, 603-615.	2.9	28
32	Changes in the hydrodynamics of a mountain river induced by dam reservoir backwater. Science of the Total Environment, 2020, 744, 140555.	8.0	28
33	Climate change impacts on discharges of the Rhone River in Lyon by the end of the twenty-first century: model results and implications. Regional Environmental Change, 2015, 15, 505-515.	2.9	25
34	A review of dendrogeomorphological research applied to flood risk analysis in Spain. Geomorphology, 2013, 196, 211-220.	2.6	24
35	Debris flows triggered from non-stationary glacier lake outbursts: the case of the Teztor Lake complex (Northern Tian Shan, Kyrgyzstan). Landslides, 2018, 15, 83-98.	5.4	24
36	Anticipating cascading effects of extreme precipitation with pathway schemes - Three case studies from Europe. Environment International, 2019, 127, 291-304.	10.0	21

#	Article	IF	Citations
37	Can the discharge of a hyperconcentrated flow be estimated from paleoflood evidence?. Water Resources Research, 2011, 47, .	4.2	19
38	Numerical Modeling of Instream Wood Transport, Deposition, and Accumulation in Braided Morphologies Under Unsteady Conditions: Sensitivity and Highâ€Resolution Quantitative Model Validation. Water Resources Research, 2020, 56, e2019WR026221.	4.2	19
39	Bridge pier shape influence on wood accumulation: Outcomes from flume experiments and numerical modelling. Journal of Flood Risk Management, 2020, 13, e12599.	3.3	18
40	Triggering threshold precipitation and soil hydrological characteristics of shallow landslides in granitic landscapes. Geomorphology, 2011, 133, 178-189.	2.6	17
41	Temporal dynamics of instream wood in headwater streams draining mixed Carpathian forests. Geomorphology, 2017, 292, 35-46.	2.6	16
42	Brief communication: The curious case of the large wood-laden flow event in the Pocuro stream (Chile). Natural Hazards and Earth System Sciences, 2017, 17, 2053-2058.	3.6	16
43	Does the public's negative perception towards wood in rivers relate to recent impact of flooding experiencing?. Science of the Total Environment, 2018, 635, 294-307.	8.0	15
44	Characteristics and abundance of large and small instream wood in a Carpathian mixed-forest headwater basin. Forest Ecology and Management, 2018, 424, 468-482.	3.2	15
45	River driftwood pretreated via hydrothermal carbonization as a sustainable source of hard carbon for Na-ion battery anodes. Journal of Environmental Chemical Engineering, 2021, 9, 106604.	6.7	15
46	Physical modelling of large wood (LW) processes relevant for river management: Perspectives from New Zealand and Switzerland. Earth Surface Processes and Landforms, 2022, 47, 32-57.	2.5	14
47	A new methodological protocol for the use of dendrogeomorphological data in flood risk analysis. Hydrology Research, 2013, 44, 234-247.	2.7	13
48	Changes of flood risk on the northern foothills of the Tatra Mountains. Acta Geophysica, 2017, 65, 799-807.	2.0	13
49	Geomorphic and stream flow influences on large wood dynamics and displacement lengths in high gradient mountain streams (<scp>C</scp>hile). Hydrological Processes, 2018, 32, 2636-2653.	2.6	13
50	Unravelling the impacts to the built environment caused by floods in a river heavily perturbed by volcanic eruptions. Journal of South American Earth Sciences, 2020, 102, 102655.	1.4	11
51	Observed Changes in AirÂTemperature and Precipitation and Relationship between them, in the Upper Vistula Basin. GeoPlanet: Earth and Planetary Sciences, 2016, , 155-187.	0.2	10
52	Flood Generation Mechanisms and Changes in Principal Drivers. GeoPlanet: Earth and Planetary Sciences, 2016, , 55-75.	0.2	9
53	Breakdown of instream wood in low order forested streams of the Southern Chilean mountain ranges. Forest Ecology and Management, 2017, 401, 17-32.	3.2	9
54	Large wood in rivers and its influence on flood hazard. Cuadernos De Investigacion Geografica, 2014, 40, 229-246.	1.1	9

#	Article	IF	Citations
55	Floods in Mountain Basins. GeoPlanet: Earth and Planetary Sciences, 2016, , 23-37.	0.2	8
56	Perspectives on being a fieldâ€based geomorphologist during pregnancy and early motherhood. Earth Surface Processes and Landforms, 2021, 46, 2767-2772.	2.5	8
57	Fluvial transport of coarse particulate organic matter in a coastal mountain stream of a rainyâ€temperate evergreen broadleaf forest in southern Chile. Earth Surface Processes and Landforms, 2020, 45, 3216-3230.	2.5	7
58	Modelling Hydraulic Parameters of Flood Flows for a Polish Carpathian River Subjected to Variable Human Impacts. GeoPlanet: Earth and Planetary Sciences, 2016, , 127-151.	0.2	7
59	Methods to Assess Large Wood Dynamics and the Associated Flood Hazard in Polish Carpathian Watercourses of Different Size. GeoPlanet: Earth and Planetary Sciences, 2016, , 77-101.	0.2	6
60	Large wood research in Swiss watercourses. , 2016, , .		6
61	Large Wood Transport, Deposition and Remobilization during Floods in the Czarny Dunajec River: Outcomes from Numerical Modelling. GeoPlanet: Earth and Planetary Sciences, 2016, , 103-125.	0.2	4
62	Frederick J. Swansonâ€™s 1976â€“1979 papers on the effects of instream wood on fluvial processes and instream wood management. Progress in Physical Geography, 2017, 41, 124-133.	3.2	4
63	Wood Retention at Inclined Bar Screens: Effect of Wood Characteristics on Backwater Rise and Bedload Transport. Water (Switzerland), 2021, 13, 2231.	2.7	4
64	Evaluating river driftwood as a feedstock for biochar production. Waste Management, 2021, 134, 197-205.	7.4	4
65	Variability of Flood Frequency and Magnitude During the Late 20th and Early 21st Centuries in the Northern Foreland of the Tatra Mountains. GeoPlanet: Earth and Planetary Sciences, 2016, , 231-256.	0.2	4
66	Defining and characterizing wood-laden flows in rivers using home videos. E3S Web of Conferences, 2018, 40, 02014.	0.5	3
67	Strategies in the 2D numerical modelling of wood transport in rivers. , 2016, , .		3
68	Wood density assessment to improve understanding of large wood buoyancy in rivers. , 2014, , 2503-2508.		3
69	Projections of Precipitation in the Northern Foothills of the Tatra Mountains. GeoPlanet: Earth and Planetary Sciences, 2016, , 311-329.	0.2	1
70	Avances en el anÃ¡lisis del material leÃ±oso en rÃos: incorporaciÃ³n, transporte e influencia en el riesgo por inundaciones. Cuaternario Y Geomorfologia, 2015, 29, 7-33.	0.2	1
71	Analysis of Wood Density to Improve Understanding of Wood Buoyancy in Rivers. , 2015, , 163-166.		1