Vincenzo Pampalone

List of Publications by Year
in descending order

73 papers	1,384 citations	331259 21 h-index	395343 33 g-index
74 all docs	74 docs citations	74 times ranked	855 citing authors

#	Article	IF	Citations
1	Field investigation of rill and ephemeral gully erosion in the Sparacia experimental area, South Italy. Catena, 2013, 101, 226-234.	2.2	112
2	Hydraulic Jumps on Rough Beds. Journal of Hydraulic Engineering, 2007, 133, 989-999.	0.7	77
3	Flow resistance equation for rills. Hydrological Processes, 2017, 31, 2793-2801.	1.1	61
4	Estimating the USLE Soil Erodibility Factor in Sicily, South Italy. Applied Engineering in Agriculture, 2012, 28, 199-206.	0.3	57
5	Measuring rill erosion using structure from motion: A plot experiment. Catena, 2017, 156, 383-392.	2.2	54
6	Testing slope effect on flow resistance equation for mobile bed rills. Hydrological Processes, 2018, 32, 664-671.	1.1	49
7	Spatial variability of the relationships of runoff and sediment yield with weather types throughout the Mediterranean basin. Journal of Hydrology, 2019, 571, 390-405.	2.3	49
8	Predicting soil loss on moderate slopes using an empirical model for sediment concentration. Journal of Hydrology, 2011, 400, 267-273.	2.3	46
9	New Solution of Classical Hydraulic Jump. Journal of Hydraulic Engineering, 2009, 135, 527-531.	0.7	37
10	Experimental Investigation of the Outflow Process over a Triangular Labyrinth-Weir. Journal of Irrigation and Drainage Engineering - ASCE, 2012, 138, 73-79.	0.6	37
11	A new version of the USLE-MM for predicting bare plot soil loss at the Sparacia (South Italy) experimental site. Hydrological Processes, 2015, 29, 4210-4219.	1.1	37
12	Experiments for testing soil texture effects on flow resistance in mobile bed rills. Catena, 2018, 171, 176-184.	2.2	32
13	Testing the use of an imageâ€based technique to measure gully erosion at Sparacia experimental area. Hydrological Processes, 2017, 31, 573-585.	1.1	31
14	Effect of plot size on measured soil loss for two Italian experimental sites. Biosystems Engineering, 2011, 108, 18-27.	1.9	29
15	Comparing flow resistance law for fixed and mobile bed rills. Hydrological Processes, 2019, 33, 3330-3348.	1.1	28
16	Using plot soil loss distribution for soil conservation design. Catena, 2011, 86, 172-177.	2.2	26
17	A new expression of the slope length factor to apply USLE-MM at Sparacia experimental area (Southern) Tj ETQq1 1 0.784314 rgBT /O	2.2	24
18	Predicting maximum annual values of event soil loss by USLE-type models. Catena, 2017, 155, 10-19.	2.2	24

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19	Assessing dye-tracer technique for rill flow velocity measurements. Catena, 2018, 171, 523-532.	2.2	24
20	Statistical distribution of soil loss and sediment yield at Sparacia experimental area, Sicily. Catena, 2010, 82, 45-52.	2.2	23
21	New Stage-Discharge Equation for the SMBF Flume. Journal of Irrigation and Drainage Engineering - ASCE, 2016, 142, .	0.6	23
22	New Expression of the Hydraulic Jump Roller Length. Journal of Hydraulic Engineering, 2012, 138, 995-999.	0.7	22
23	Flow resistance of overland flow on a smooth bed under simulated rainfall. Catena, 2020, 187, 104351.	2.2	22
24	Measuring rill erosion at plot scale by a droneâ€based technology. Hydrological Processes, 2015, 29, 3802-3811.	1.1	21
25	Applying the USLE Family of Models at the Sparacia (South Italy) Experimental Site. Land Degradation and Development, 2017, 28, 994-1004.	1.8	20
26	An automatic approach for rill network extraction to measure rill erosion by terrestrial and lowâ€cost unmanned aerial vehicle photogrammetry. Hydrological Processes, 2019, 33, 1883-1895.	1.1	20
27	Rill flow resistance law under equilibrium bedâ€load transport conditions. Hydrological Processes, 2019, 33, 1317-1323.	1.1	20
28	Testing a theoretical resistance law for overland flow under simulated rainfall with different types of vegetation. Catena, 2020, 189, 104482.	2.2	20
29	Testing a new rill flow resistance approach using the Water Erosion Prediction Project experimental database. Hydrological Processes, 2019, 33, 616-626.	1.1	19
30	Modeling Rill Erosion at the Sparacia Experimental Area. Journal of Hydrologic Engineering - ASCE, 2015, 20, .	0.8	17
31	Testing the Outflow Process over a Triangular Labyrinth Weir. Journal of Irrigation and Drainage Engineering - ASCE, 2017, 143, .	0.6	16
32	Flow Resistance in Stepâ€Pool Rills. Vadose Zone Journal, 2017, 16, 1-10.	1.3	16
33	Comparing theoretically supported rainfallâ€runoff erosivity factors at the Sparacia (South Italy) experimental site. Hydrological Processes, 2018, 32, 507-515.	1.1	16
34	Sequent Depth Ratio of a B-Jump. Journal of Hydraulic Engineering, 2011, 137, 651-658.	0.7	15
35	Establishing a Soil Loss Threshold for Limiting Rilling. Journal of Hydrologic Engineering - ASCE, 2015, 20, .	0.8	15
36	Testing a theoretical resistance law for overland flow on a stony hillslope. Hydrological Processes, 2020, 34, 2048-2056.	1.1	15

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37	Predicting soil loss in central and south Italy with a single USLE-MM model. Journal of Soils and Sediments, 2018, 18, 3365-3377.	1.5	14
38	Flow resistance in mobile bed rills shaped in soils with different texture. European Journal of Soil Science, 2021, 72, 2062-2075.	1.8	14
39	Practical thresholds to distinguish erosive and rill rainfall events. Journal of Hydrology, 2019, 579, 124173.	2.3	13
40	Relationship of Weather Types on the Seasonal and Spatial Variability of Rainfall, Runoff, and Sediment Yield in the Western Mediterranean Basin. Atmosphere, 2020, 11, 609.	1.0	13
41	Testing a new sampler for measuring plot soil loss. Earth Surface Processes and Landforms, 2016, 41, 867-874.	1.2	12
42	Dye-tracer technique for rill flows by velocity profile measurements. Catena, 2020, 185, 104313.	2.2	12
43	Rill flow velocity and resistance law: A review. Earth-Science Reviews, 2022, 231, 104092.	4.0	12
44	Estimating flow resistance in steep slope rills. Hydrological Processes, 2021, 35, e14296.	1.1	11
45	Testing the Universal Soil Loss Equationâ€MB equation in plots in Central and South Italy. Hydrological Processes, 2019, 33, 2422-2433.	1.1	10
46	Testing assumptions and procedures to empirically predict bare plot soil loss in a Mediterranean environment. Hydrological Processes, 2015, 29, 2414-2424.	1.1	9
47	New technique for measuring water depth in rill channels. Catena, 2019, 181, 104090.	2.2	9
48	A comprehensive analysis of Universal Soil Loss Equationâ€based models at the Sparacia experimental area. Hydrological Processes, 2020, 34, 1545-1557.	1.1	8
49	Flume experiments for assessing the dye-tracing technique in rill flows. Flow Measurement and Instrumentation, 2021, 77, 101870.	1.0	8
50	Roughness effect on the correction factor of surface velocity for rill flows. Hydrological Processes, 2021, 35, e14407.	1.1	8
51	Testing the USLE-M Family of Models at the Sparacia Experimental Site in South Italy. Journal of Hydrologic Engineering - ASCE, 2017, 22, .	0.8	7
52	Dissipative analogies of step-pool features: From rills to mountain streams. Catena, 2019, 174, 235-247.	2.2	7
53	Flow resistance law under suspended sediment laden conditions. Flow Measurement and Instrumentation, 2020, 74, 101771.	1.0	7
54	Rill flow resistance law under sediment transport. Journal of Soils and Sediments, 2022, 22, 334-347.	1.5	7

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55	Measuring Field Rill Erodibility by a Simplified Method. Land Degradation and Development, 2016, 27, 239-247.	1.8	6
56	Comparing Two Applicative Criteria of the Soil Erosion Physical Model Concept. Vadose Zone Journal, 2017, 16, 1-10.	1.3	6
57	Analysis of rill stepâ€“pool morphology and its comparison with stream case. Earth Surface Processes and Landforms, 2021, 46, 775-790.	1.2	5
58	Slope threshold in rill flow resistance. Catena, 2022, 208, 105789.	2.2	5
59	A modified applicative criterion of the physical model concept for evaluating plot soil erosion predictions. Catena, 2015, 126, 53-58.	2.2	4
60	Testing the Stage-Discharge Relationship in Sloping SMBF Flumes. Journal of Irrigation and Drainage Engineering - ASCE, 2021, 147, 04021010.	0.6	3
61	Assessing an overland flow resistance approach under equilibrium sediment transport conditions. Catena, 2021, 207, 105578.	2.2	3
62	Effects of Biochar Addition on Rill Flow Resistance. Water (Switzerland), 2021, 13, 3036.	1.2	3
63	Evaluating the Effects of the Rill Longitudinal Profile on Flow Resistance Law. Water (Switzerland), 2022, 14, 326.	1.2	3
64	Measurement of Water Soil Erosion at Sparacia Experimental Area (Southern Italy): A Summary of More than Twenty Years of Scientific Activity. Water (Switzerland), 2022, 14, 1881.	1.2	3
65	Comment on â€œDetermining soil erodibility for the USLE-MM rainfall erosion model by P.I.A. Kinnellâ€• Catena, 2018, 167, 440-443.	2.2	2
66	Estimating soil loss of given return period by USLEâ€Mâ€type models. Hydrological Processes, 2020, 34, 2324.	1.1	2
67	Dissipative scaling of step-pool features. Flow Measurement and Instrumentation, 2021, 79, 101888.	1.0	1
68	Testing a theoretically-based overland flow resistance law by Emmettâ€™s database. Journal of Hydrology, 2021, 603, 126862.	2.3	1
69	Slope threshold for overland flow resistance on sandy soils. European Journal of Soil Science, 0, , .	1.8	1
70	A Comprehensive Check of Usle-Based Soil Loss Prediction Models at the Sparacia (South Italy) Site. Lecture Notes in Civil Engineering, 2020, , 3-11.	0.3	1
71	Closure to â€œSequent Depth Ratio of a B-Jumpâ€•by Francesco Giuseppe Carollo, Vito Ferro, and Vincenzo Pampalone. Journal of Hydraulic Engineering, 2013, 139, 254-255.	0.7	0
72	Closure to â€œNew Stage-Discharge Equation for the SMBF Flumeâ€•by Francesco Giuseppe Carollo, Costanza Di Stefano, Vito Ferro, and Vincenzo Pampalone. Journal of Irrigation and Drainage Engineering - ASCE, 2017, 143, 07017013.	0.6	0

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73	Closure to â€œTesting the Stage-Discharge Relationship in Sloping SMBF Flumesâ€•by Francesco Giuseppe Carollo and Vincenzo Pampalone. Journal of Irrigation and Drainage Engineering - ASCE, 2022, 148, .	0.6	0