Vito Ferro

List of Publications by Year in Descending Order

259 papers	5,574 citations	39 h-index	64 g-index
265 ext. papers	6,627 ext. citations	3.1 avg, IF	6.32 L-index

#	Paper	IF	Citations
259	Evaluating the Effects of the Rill Longitudinal Profile on Flow Resistance Law. *Water (Switzerland)*, **2022**, 14, 326	3	0
258	Overland flow hydrodynamic characteristics in rough beds at low Reynolds numbers. *Journal of Hydrology*, **2022**, 607, 127555	6	0
257	Slope threshold in rill flow resistance. *Catena*, **2022**, 208, 105789	5.8	1
256	Measuring hydrological connectivity inside soils with different texture by fast field cycling nuclear magnetic resonance relaxometry. *Catena*, **2022**, 209, 105848	5.8	1
255	Ability of soil bacterial composition as an indicator of levels of soil erosion in a badland. *International Journal of Sediment Research*, **2022**,	3	2
254	Changes in Physicochemical Properties of Biochar after Addition to Soil. *Agriculture (Switzerland)*, **2022**, 12, 320	3	0
253	A new approach for deducing the stage-discharge relationship of a triangular broad-crested device. *Flow Measurement and Instrumentation*, **2022**, 85, 102160	2.2	1
252	A generalized stage-discharge relationship for sharp-crested power-law weirs by dimensional analysis and self-similarity. *Flow Measurement and Instrumentation*, **2022**, 102200	2.2	0
251	Effects of Biochar Addition on Rill Flow Resistance. *Water (Switzerland)*, **2021**, 13, 3036	3	1
250	A theoretically-based overland flow resistance law for upland grassland habitats. *Catena*, **2021**, 210, 105863	5.8	0
249	Roughness effect on the correction factor of surface velocity for rill flows. *Hydrological Processes*, **2021**, 35, e14407	3.3	1
248	Comments on "Overflow characteristics of streamlined weirs based on model experimentation" by Bagheri S. and Kabiri-Samani A. *Flow Measurement and Instrumentation*, **2021**, 78, 101908	2.2	1
247	Dissipative scaling of step-pool features. *Flow Measurement and Instrumentation*, **2021**, 79, 101888	2.2	0
246	Evaluating the Effects of Sediment Transport on Pipe Flow Resistance. *Water (Switzerland)*, **2021**, 13, 2091	3	1
245	Estimating flow resistance in steep slope rills. *Hydrological Processes*, **2021**, 35, e14296	3.3	3
244	Flume experiments for assessing the dye-tracing technique in rill flows. *Flow Measurement and Instrumentation*, **2021**, 77, 101870	2.2	3
243	A full-scale study of Darcy-Weisbach friction factor for channels vegetated by riparian species. *Hydrological Processes*, **2021**, 35, e14009	3.3	3

242	Closure to "Experimental Modeling of Submerged Pivot Weir" by M. Bijankhan and V. Ferro. *Journal of Irrigation and Drainage Engineering - ASCE*, **2021**, 147, 07020013	1.1	
241	Flow resistance in mobile bed rills shaped in soils with different texture. *European Journal of Soil Science*, **2021**, 72, 2062-2075	3.4	5
240	Analysis of rill step–pool morphology and its comparison with stream case. *Earth Surface Processes and Landforms*, **2021**, 46, 775-790	3.7	1
239	A Maximizing Hydraulic Radius (MHR) method for defining cross-section limits in rills and ephemeral gullies. *Catena*, **2021**, 203, 105347	5.8	1
238	Experimental study of boulder concentration effect on flow resistance in gravel bed channels. *Catena*, **2021**, 205, 105458	5.8	2
237	Assessing an overland flow resistance approach under equilibrium sediment transport conditions. *Catena*, **2021**, 207, 105578	5.8	1
236	Testing a theoretically-based overland flow resistance law by Emmett's database. *Journal of Hydrology*, **2021**, 603, 126862	6	0
235	Variable scale effects on hillslope soil erosion during rainfall-runoff processes. *Catena*, **2021**, 207, 105606	5.8	3
234	Investigating the Performance of Enhanced Permeable Groins in Series. *Water (Switzerland)*, **2020**, 12, 3531	3	1
233	Establishing a threshold for rainfall-induced landslides by a kinetic energy–duration relationship. *Hydrological Processes*, **2020**, 34, 3571-3581	3.3	2
232	Flow resistance law under suspended sediment laden conditions. *Flow Measurement and Instrumentation*, **2020**, 74, 101771	2.2	4
231	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	2.7	9
230	Discussion of "Preliminary Study of Surface Hydraulic Jumps" by S. Ahmed, Y. Ye, H. Liu, and N. Rajaratnam. *Journal of Irrigation and Drainage Engineering - ASCE*, **2020**, 146, 07020001	1.1	
229	A comprehensive analysis of Universal Soil Loss Equation-based models at the Sparacia experimental area. *Hydrological Processes*, **2020**, 34, 1545-1557	3.3	0
228	Estimating soil loss of given return period by USLE-M-type models. *Hydrological Processes*, **2020**, 34, 2324	3.3	1
227	Testing a theoretical resistance law for overland flow on a stony hillslope. *Hydrological Processes*, **2020**, 34, 2048-2056	3.3	8
226	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	
225	Testing a theoretical resistance law for overland flow under simulated rainfall with different types of vegetation. *Catena*, **2020**, 189, 104482	5.8	13

224	Dye-tracer technique for rill flows by velocity profile measurements. *Catena*, **2020**, 185, 104313	5.8	7
223	Experimental Modeling of Submerged Pivot Weir. *Journal of Irrigation and Drainage Engineering - ASCE*, **2020**, 146, 04020001	1.1	4
222	Capturing gypsum rillenkarren morphometry by a 3D-photo reconstruction (3D-PR) technique. *Geomorphology*, **2020**, 351, 106980	4.3	2
221	Flow resistance of overland flow on a smooth bed under simulated rainfall. *Catena*, **2020**, 187, 104351	5.8	10
220	Comment on "Effects of different tillage practices on the hydraulic resistance of concentrated flow on the loess plateau in China" by J. Sun et al. *Catena*, **2020**, 193, 104629	5.8	
219	Erratum for "Experimental Modeling of Submerged Pivot Weir" by M. Bijankhan and V. Ferro. *Journal of Irrigation and Drainage Engineering - ASCE*, **2020**, 146, 08220006	1.1	
218	Comment on "Overland runoff erosion dynamics on steep slopes with forages under field simulated rainfall and inflow by C. Li and C. Pan" *Hydrological Processes*, **2020**, 34, 5505-5511	3.3	1
217	Comment on "Rill erosion processes on steep colluvial deposit slope under heavy rainfall in flume experiments with artificial rain by F. Jiang et al." *Catena*, **2020**, 185, 103793	5.8	11
216	Standardizing the use of fast-field cycling NMR relaxometry for measuring hydrological connectivity inside the soil. *Magnetic Resonance in Chemistry*, **2020**, 58, 41-50	2.1	8
215	Closure to "Experimental Study of Central Baffle Flume" by F. Lotfi Kolavani, M. Bijankhan, C. Di Stefano, V. Ferro, and A. Mahdavi Mazdeh. *Journal of Irrigation and Drainage Engineering - ASCE*, **2020**, 146, 07020008	1.1	
214	Deducing the stage-discharge relationship for contracted weirs by the outflow theory of Malcherek. *Journal of Agricultural Engineering*, **2019**, 50, 80-87	1.3	4
213	New stage-discharge relationship for cylindrical and semi-cylindrical edged sluice gates. *Flow Measurement and Instrumentation*, **2019**, 70, 101639	2.2	3
212	Closure to "Applying Hypothesis of Self-Similarity for Flow-Resistance Law in Calabrian Gravel-Bed Rivers" by Vito Ferro and Paolo Porto. *Journal of Hydraulic Engineering*, **2019**, 145, 07019002	1.8	3
211	Raindrop size distribution and terminal velocity for rainfall erosivity studies. A review. *Journal of Hydrology*, **2019**, 576, 210-228	6	27
210	New technique for measuring water depth in rill channels. *Catena*, **2019**, 181, 104090	5.8	5
209	Testing the Universal Soil Loss Equation-MB equation in plots in Central and South Italy. *Hydrological Processes*, **2019**, 33, 2422-2433	3.3	2
208	Rill flow resistance law under equilibrium bed-load transport conditions. *Hydrological Processes*, **2019**, 33, 1317-1323	3.3	12
207	Spatial variability of the relationships of runoff and sediment yield with weather types throughout the Mediterranean basin. *Journal of Hydrology*, **2019**, 571, 390-405	6	39

206	Assessing flow resistance law in vegetated channels by dimensional analysis and self-similarity. *Flow Measurement and Instrumentation*, **2019**, 69, 101610	2.2	10
205	A method for evaluating rainfall kinetic power by a characteristic drop diameter. *Journal of Hydrology*, **2019**, 577, 123996	6	3
204	Variable power-law scaling of hillslope Hortonian rainfall–runoff processes. *Hydrological Processes*, **2019**, 33, 2926-2938	3.3	5
203	Comparing flow resistance law for fixed and mobile bed rills. *Hydrological Processes*, **2019**, 33, 3330-3348	3.3	16
202	Experimental study on triangular central baffle flume. *Flow Measurement and Instrumentation*, **2019**, 70, 101641	2.2	6
201	Comments on "Mean velocity and turbulent characteristics of flow over half-cycle cosine sharp-crested weirs" by Salehi S., Esmaili K., Azimi A.H.. *Flow Measurement and Instrumentation*, **2019**, 69, 101623	2.2	
200	Experimental Study of Central Baffle Flume. *Journal of Irrigation and Drainage Engineering - ASCE*, **2019**, 145, 04019002	1.1	3
199	Dissipative analogies of step-pool features: From rills to mountain streams. *Catena*, **2019**, 174, 235-247	5.8	5
198	Scour around a Permeable Groin Combined with a Triangular Vane in River Bends. *Journal of Irrigation and Drainage Engineering - ASCE*, **2019**, 145, 04019003	1.1	6
197	Testing a new rill flow resistance approach using the Water Erosion Prediction Project experimental database. *Hydrological Processes*, **2019**, 33, 616-626	3.3	11
196	Assessing sediment connectivity in dendritic and parallel calanchi systems. *Catena*, **2019**, 172, 647-654	5.8	5
195	Predicting soil loss in central and south Italy with a single USLE-MM model. *Journal of Soils and Sediments*, **2018**, 18, 3365-3377	3.4	8
194	Experimental Study and Numerical Simulation of Inclined Rectangular Weirs. *Journal of Irrigation and Drainage Engineering - ASCE*, **2018**, 144, 04018012	1.1	6
193	Characterizing rainfall erosivity by kinetic power - Median volume diameter relationship. *Catena*, **2018**, 165, 12-21	5.8	6
192	Testing slope effect on flow resistance equation for mobile bed rills. *Hydrological Processes*, **2018**, 32, 664-671	3.3	44
191	Measuring hydrological connectivity inside a soil by low field nuclear magnetic resonance relaxometry. *Hydrological Processes*, **2018**, 32, 93-101	3.3	11
190	Discussion of "Extraction of the Flow Rate Equation under Free and Submerged Flow Conditions in Pivot Weirs with Different Side Contractions" by N. Sheikh Rezazadeh Nikou, M. J. Monem, and K. Safavi. *Journal of Irrigation and Drainage Engineering - ASCE*, **2018**, 144, 07018007	1.1	2
189	Comparing theoretically supported rainfall-runoff erosivity factors at the Sparacia (South Italy) experimental site. *Hydrological Processes*, **2018**, 32, 507-515	3.3	11

188	New Theoretical Solution of Stage-Discharge Relationship for Slit Weirs. *Journal of Irrigation and Drainage Engineering - ASCE*, **2018**, 144, 06018001	1.1	6
187	Predicting rainfall erosivity by momentum and kinetic energy in Mediterranean environment. *Journal of Hydrology*, **2018**, 560, 173-183	6	11
186	Generalised stage–discharge relationship for rectangular weirs. *Water Management*, **2018**, 171, 125-133	1	4
185	Assessing Stage-Discharge Relationships for Circular Overflow Structure. *Journal of Irrigation and Drainage Engineering - ASCE*, **2018**, 144, 04017053	1.1	4
184	Morphological characterization of calanchi (badland) hillslope connectivity. *Land Degradation and Development*, **2018**, 29, 1190-1197	4.4	4
183	Discussion of "Three Simple Flumes for Flow Measurement in Open Channels" by Zohrab Samani. *Journal of Irrigation and Drainage Engineering - ASCE*, **2018**, 144, 07018028	1.1	2
182	Testing the stage-discharge relationship of a sharp crested sluice gate deduced by the momentum equation for a free-flow condition. *Flow Measurement and Instrumentation*, **2018**, 63, 14-17	2.2	6
181	Comment on "Determining soil erodibility for the USLE-MM rainfall erosion model by P.I.A. Kinnell" *Catena*, **2018**, 167, 440-443	5.8	2
180	Statistical check of USLE-M and USLE-MM to predict bare plot soil loss in two Italian environments. *Land Degradation and Development*, **2018**, 29, 2614-2628	4.4	11
179	Experiments for testing soil texture effects on flow resistance in mobile bed rills. *Catena*, **2018**, 171, 176-184	5.8	22
178	Testing simple scaling in soil erosion processes at plot scale. *Catena*, **2018**, 167, 171-180	5.8	22
177	Assessing dye-tracer technique for rill flow velocity measurements. *Catena*, **2018**, 171, 523-532	5.8	17
176	Assessing flow resistance in gravel bed channels by dimensional analysis and self-similarity. *Catena*, **2018**, 169, 119-127	5.8	33
175	Testing the outflow theory of Malcherek by slit weir data. *Flow Measurement and Instrumentation*, **2018**, 59, 114-117	2.2	8
174	Applying Hypothesis of Self-Similarity for Flow-Resistance Law in Calabrian Gravel-Bed Rivers. *Journal of Hydraulic Engineering*, **2018**, 144, 04017061	1.8	31
173	Preface: Proceedings of the 14th IASWS international conference. *Journal of Soils and Sediments*, **2018**, 18, 3361-3363	3.4	
172	Assessing theoretical flow velocity profile and resistance in gravel bed rivers by field measurements. *Journal of Agricultural Engineering*, **2018**, 49, 220-227	1.3	7
171	Comments on "Measurement of dimensionless Chezy coefficient in step-pool reach (Case study of Dizin River in Iran)" by Torabizadeh A., Tahershamsi A., Tabatabai M.R.M. *Flow Measurement and Instrumentation*, **2018**, 64, 190-193	2.2	1

170	Closure to "Assessing Stage-Discharge Relationships for Circular Overflow Structures" by M. Bijankhan and V. Ferro. *Journal of Irrigation and Drainage Engineering - ASCE*, **2018**, 144, 07018034	1.1	
169	Flow resistance law under equilibrium bed-load transport conditions. *Flow Measurement and Instrumentation*, **2018**, 64, 1-8	2.2	12
168	Predicting plot soil loss by empirical and process-oriented approaches. A review. *Journal of Agricultural Engineering*, **2018**, 49, 1-18	1.3	3
167	New stage-discharge relationship for inclined non-rectangular weirs. *Flow Measurement and Instrumentation*, **2018**, 64, 9-13	2.2	1
166	Modelling sediment delivery using connectivity components at the experimental SPA2 basin, Sicily (Italy). *Journal of Mountain Science*, **2018**, 15, 1868-1880	2.1	6
165	Flow measurement using circular portable flume. *Flow Measurement and Instrumentation*, **2018**, 62, 76-83	2.2	7
164	Applying the USLE Family of Models at the Sparacia (South Italy) Experimental Site. *Land Degradation and Development*, **2017**, 28, 994-1004	4.4	15
163	Testing Sediment Connectivity at the Experimental SPA2 Basin, Sicily (Italy). *Land Degradation and Development*, **2017**, 28, 1992-2000	4.4	5
162	Morphological Similarity of Channels: From Linear Erosional Features (Rill, Gully) to Alpine Rivers. *Land Degradation and Development*, **2017**, 28, 1717-1728	4.4	5
161	Predicting maximum annual values of event soil loss by USLE-type models. *Catena*, **2017**, 155, 10-19	5.8	13
160	Measuring rill erosion using structure from motion: A plot experiment. *Catena*, **2017**, 156, 383-392	5.8	45
159	Testing the USLE-M Family of Models at the Sparacia Experimental Site in South Italy. *Journal of Hydrologic Engineering - ASCE*, **2017**, 22, 05017012	1.8	7
158	Testing the Outflow Process over a Triangular Labyrinth Weir. *Journal of Irrigation and Drainage Engineering - ASCE*, **2017**, 143, 06017007	1.1	13
157	Closure to "New Stage-Discharge Equation for the SMBF Flume" by Francesco Giuseppe Carollo, Costanza Di Stefano, Vito Ferro, and Vincenzo Pampalone. *Journal of Irrigation and Drainage Engineering - ASCE*, **2017**, 143, 07017013	1.1	
156	Explicit Equations for Uniform Flow Depth. *Journal of Irrigation and Drainage Engineering - ASCE*, **2017**, 143, 06016016	1.1	2
155	New Flow-Resistance Law for Steep Mountain Streams Based on Velocity Profile. *Journal of Irrigation and Drainage Engineering - ASCE*, **2017**, 143, 04017024	1.1	17
154	Flow resistance equation for rills. *Hydrological Processes*, **2017**, 31, 2793-2801	3.3	47
153	Supporting USLE-MM reliability by analyzing soil loss measurement errors. *Hydrological Processes*, **2017**, 31, 847-853	3.3	3

152	Testing the Modified Sediment Delivery Model (MOSEDD) at SPA2 Experimental Basin, Sicily (Italy). *Land Degradation and Development*, **2017**, 28, 1557-1567	4.4	2
151	Reliability of rainfall kinetic power–intensity relationships. *Hydrological Processes*, **2017**, 31, 1293-1300	3.3	15
150	Dimensional analysis and stage-discharge relationship for weirs: a review. *Journal of Agricultural Engineering*, **2017**, 48, 1-11	1.3	27
149	Comparing Two Applicative Criteria of the Soil Erosion Physical Model Concept. *Vadose Zone Journal*, **2017**, 16, vzj2017.06.0117	2.7	3
148	Assessing hydrological connectivity inside a soil by fast-field-cycling nuclear magnetic resonance relaxometry and its link to sediment delivery processes. *Environmental Earth Sciences*, **2017**, 76, 1	2.9	12
147	An assessment of the global impact of 21st century land use change on soil erosion. *Nature Communications*, **2017**, 8, 2013	17.4	751
146	Are calanco landforms similar to river basins?. *Science of the Total Environment*, **2017**, 603-604, 244-255	10.2	7
145	Testing the use of an image-based technique to measure gully erosion at Sparacia experimental area. *Hydrological Processes*, **2017**, 31, 573-585	3.3	25
144	Scale Effects on Plot Runoff and Soil Erosion in a Mediterranean Environment. *Vadose Zone Journal*, **2017**, 16, vzj2017.03.0059	2.7	8
143	Flow Resistance in Step-Pool Rills. *Vadose Zone Journal*, **2017**, 16, vzj2017.05.0104	2.7	13
142	Assessing, measuring and modelling erosion in calanchi areas: a review. *Journal of Agricultural Engineering*, **2016**, 47, 181	1.3	13
141	Morphometric and hydraulic geometry assessment of a gully in SW Spain. *Geomorphology*, **2016**, 274, 143-151	4.3	12
140	Estimating rainfall erosivity by aggregated drop size distributions. *Hydrological Processes*, **2016**, 30, 2119-2128	3.3	18
139	Measuring Field Rill Erodibility by a Simplified Method. *Land Degradation and Development*, **2016**, 27, 239-247	4.4	5
138	New Stage-Discharge Equation for the SMBF Flume. *Journal of Irrigation and Drainage Engineering - ASCE*, **2016**, 142, 04016005	1.1	12
137	Deducing a Drain Spacing Formula by Applying Dimensional Analysis and Self-Similarity Theory. *Journal of Irrigation and Drainage Engineering - ASCE*, **2016**, 142, 04016004	1.1	2
136	Stage–Discharge Relationship for an Upstream Inclined Grid with Transversal Bars. *Journal of Irrigation and Drainage Engineering - ASCE*, **2016**, 142, 04015049	1.1	5
135	Elaboración de modelos 3D de diferentes morfologías y escalas utilizando técnicas Structure-from-Motion y fotografías terrestres. *Cuaternario Y Geomorfologia*, **2016**, 30, 23	1.5	2

134	Establishing soil loss tolerance: an overview. *Journal of Agricultural Engineering*, **2016**, 47, 127-133	1.3	18
133	Testing the long term applicability of USLE-M equation at a olive orchard microcatchment in Spain. *Catena*, **2016**, 147, 71-79	5.8	9
132	Testing a new sampler for measuring plot soil loss. *Earth Surface Processes and Landforms*, **2016**, 41, 867-874	3.7	9
131	Closure to "Stage-Discharge Relationship for an Upstream Inclined Grid with Transversal Bars" by C. Di Stefano and V. Ferro. *Journal of Irrigation and Drainage Engineering - ASCE*, **2016**, 142, 07016008	1.1	5
130	New Theoretical Solution of the Outflow Process for a Weir with Complex Shape. *Journal of Irrigation and Drainage Engineering - ASCE*, **2016**, 142, 04016036	1.1	14
129	Simple flume with a central baffle. *Flow Measurement and Instrumentation*, **2016**, 52, 53-56	2.2	9
128	A new empirical model for estimating calanchi Erosion in Sicily, Italy. *Geomorphology*, **2015**, 231, 292-300	4.3	16
127	A modified applicative criterion of the physical model concept for evaluating plot soil erosion predictions. *Catena*, **2015**, 126, 53-58	5.8	3
126	Modeling Rainfall Erosivity by Measured Drop-Size Distributions. *Journal of Hydrologic Engineering - ASCE*, **2015**, 20,	1.8	15
125	Testing assumptions and procedures to empirically predict bare plot soil loss in a Mediterranean environment. *Hydrological Processes*, **2015**, 29, 2414-2424	3.3	5
124	Measuring rill erosion at plot scale by a drone-based technology. *Hydrological Processes*, **2015**, 29, 3802-3811	3.3	18
123	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	3.3	28
122	Closure to "New Stage-Discharge Relationship for Weirs of Finite Crest Length" by M. Bijankhan, C. Di Stefano, V. Ferro, and S. Kouchakzadeh. *Journal of Irrigation and Drainage Engineering - ASCE*, **2015**, 141, 07015011	1.1	
121	Modeling Rill Erosion at the Sparacia Experimental Area. *Journal of Hydrologic Engineering - ASCE*, **2015**, 20,	1.8	15
120	Establishing a Soil Loss Threshold for Limiting Rilling. *Journal of Hydrologic Engineering - ASCE*, **2015**, 20,	1.8	13
119	New Stage-Discharge Relationship for Weirs of Finite Crest Length. *Journal of Irrigation and Drainage Engineering - ASCE*, **2014**, 140, 06013006	1.1	21
118	Closure to "Experimental Study of the Stage-Discharge Relationship for an Upstream Inclined Grid with Longitudinal Bars" by C. Di Stefano and V. Ferro. *Journal of Irrigation and Drainage Engineering - ASCE*, **2014**, 140, 07014028	1.1	2
117	A simplified approach to estimate water retention for Sicilian soils by the Arya-Paris model. *Geoderma*, **2014**, 213, 226-234	6.7	23

116	Discussion of Discharge Characteristics of Weirs of Finite Crest Length with Upstream and Downstream Ramps by Amir Hossein Azimi, Nallamuthu Rajaratnam, and David Z. Zhu. *Journal of Irrigation and Drainage Engineering - ASCE*, **2014**, 140, 07013002	1.1	7
115	Testing GIS-morphometric analysis of some Sicilian badlands. *Catena*, **2014**, 113, 370-376	5.8	25
114	Response to Comment on Predicting event soil loss from bare plots at two Italian sites. *Catena*, **2014**, 120, 177-179	5.8	1
113	New Stage-Discharge Relationships for Radial Gates. *Journal of Irrigation and Drainage Engineering - ASCE*, **2013**, 139, 378-387	1.1	30
112	Closure to Sequent Depth Ratio of a B-Jump by Francesco Giuseppe Carollo, Vito Ferro, and Vincenzo Pampalone. *Journal of Hydraulic Engineering*, **2013**, 139, 254-255	1.8	
111	A new expression of the slope length factor to apply USLE-MM at Sparacia experimental area (Southern Italy). *Catena*, **2013**, 102, 21-26	5.8	21
110	Field investigation of rill and ephemeral gully erosion in the Sparacia experimental area, South Italy. *Catena*, **2013**, 101, 226-234	5.8	83
109	Predicting event soil loss from bare plots at two Italian sites. *Catena*, **2013**, 109, 96-102	5.8	28
108	A new approach for deducing the stage-discharge relationship of triangular in plan sharp-crested weirs. *Flow Measurement and Instrumentation*, **2013**, 32, 71-75	2.2	4
107	Experimental Study of the Stage-Discharge Relationship for an Upstream Inclined Grid with Longitudinal Bars. *Journal of Irrigation and Drainage Engineering - ASCE*, **2013**, 139, 691-695	1.1	9
106	Closure to New Theoretical Solution of the Stage-Discharge Relationship for Sharp-Crested and Broad Weirs by V. Ferro. *Journal of Irrigation and Drainage Engineering - ASCE*, **2013**, 139, 518-520	1.1	17
105	New Expression of the Hydraulic Jump Roller Length. *Journal of Hydraulic Engineering*, **2012**, 138, 995-999	1.8	14
104	New stage-discharge relationships for free and submerged sluice gates. *Flow Measurement and Instrumentation*, **2012**, 28, 50-56	2.2	20
103	Testing the physical model concept by soil loss data measured in Sicily. *Catena*, **2012**, 95, 1-5	5.8	5
102	Identifying a dominant discharge for natural rivers in southern Italy. *Geomorphology*, **2012**, 139-140, 313-321	3.3	40
101	Experimental Investigation of the Outflow Process over a Triangular Labyrinth-Weir. *Journal of Irrigation and Drainage Engineering - ASCE*, **2012**, 138, 73-79	1.1	28
100	Estimating the USLE Soil Erodibility Factor in Sicily, South Italy. *Applied Engineering in Agriculture*, **2012**, 28, 199-206	0.8	43
99	New Theoretical Solution of the Stage-Discharge Relationship for Sharp-Crested and Broad Weirs. *Journal of Irrigation and Drainage Engineering - ASCE*, **2012**, 138, 257-265	1.1	30

98	Quantifying interrill and ephemeral gully erosion in a small Sicilian basin interrill and ephemeral gully erosion in a small Sicilian basin. *Zeitschrift F Geomorphologie*, **2012**, 56, 9-25	1.9	14
97	Using plot soil loss distribution for soil conservation design. *Catena*, **2011**, 86, 172-177	5.8	22
96	TESTING THE GRAIN-SIZE DISTRIBUTION DETERMINED BY LASER DIFFRACTOMETRY FOR SICILIAN SOILS. *Journal of Agricultural Engineering*, **2011**, 42, 39	1.3	1
95	Predicting soil loss on moderate slopes using an empirical model for sediment concentration. *Journal of Hydrology*, **2011**, 400, 267-273	6	36
94	Predicting the equilibrium bed slope in natural streams using a stochastic model for incipient sediment motion. *Earth Surface Processes and Landforms*, **2011**, 36, 1007-1022	3.7	9
93	Measurements of rill and gully erosion in Sicily. *Hydrological Processes*, **2011**, 25, 2221-2227	3.3	36
92	Sequent Depth Ratio of a B-Jump. *Journal of Hydraulic Engineering*, **2011**, 137, 651-658	1.8	8
91	Effect of plot size on measured soil loss for two Italian experimental sites. *Biosystems Engineering*, **2011**, 108, 18-27	4.8	23
90	Statistical distribution of soil loss and sediment yield at Sparacia experimental area, Sicily. *Catena*, **2010**, 82, 45-52	5.8	16
89	Physical and hydraulic characterization of a clay soil at the plot scale. *Journal of Hydrology*, **2010**, 387, 54-64	6	32
88	Testing alternative erosivity indices to predict event soil loss from bare plots in Southern Italy. *Hydrological Processes*, **2010**, 24, 789-797	3.3	44
87	Analysis of soil loss data from plots of differing length for the Sparacia experimental area, Sicily, Italy. *Biosystems Engineering*, **2010**, 105, 411-422	4.8	61
86	Deducing the USLE mathematical structure by dimensional analysis and self-similarity theory. *Biosystems Engineering*, **2010**, 106, 216-220	4.8	33
85	Comparison between grain-size analyses using laser diffraction and sedimentation methods. *Biosystems Engineering*, **2010**, 106, 205-215	4.8	113
84	COMPARING PARTICLE SIZE DISTRIBUTION ANALYSIS BY SEDIMENTATION AND LASER DIFFRACTION METHOD. *Journal of Agricultural Engineering*, **2009**, 40, 35	1.3	20
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