

Giorgio Baiamonte

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

1,157
citations

331259

21
h-index

414034

32
g-index

62
all docs

62
docs citations

62
times ranked

1121
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure alteration of a sandy-clay soil by biochar amendments. <i>Journal of Soils and Sediments</i> , 2015, 15, 816-824.	1.5	106
2	Effect of biochar on the physical and structural properties of a sandy soil. <i>Catena</i> , 2019, 175, 294-303.	2.2	91
3	Flow Velocity Profiles in Gravel-Bed Rivers. <i>Journal of Hydraulic Engineering</i> , 1994, 120, 60-80.	0.7	87
4	Comparing Physical Quality of Forest and Pasture Soils in a Sicilian Watershed. <i>Soil Science Society of America Journal</i> , 2011, 75, 1958-1970.	1.2	54
5	Agricultural landscapes and biodiversity conservation: a case study in Sicily (Italy). <i>Biodiversity and Conservation</i> , 2015, 24, 3201-3216.	1.2	46
6	Time Scale Effects and Interactions of Rainfall Erosivity and Cover Management Factors on Vineyard Soil Loss Erosion in the Semi-Arid Area of Southern Sicily. <i>Water (Switzerland)</i> , 2019, 11, 978.	1.2	40
7	Simple Flume for Flow Measurement in Sloping Open Channel. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2007, 133, 71-78.	0.6	37
8	EMPIRICAL DETERMINATION OF THE AVERAGE ANNUAL RUNOFF COEFFICIENT IN THE MEDITERRANEAN AREA. <i>American Journal of Applied Sciences</i> , 2014, 11, 89-95.	0.1	34
9	The influence of roughness geometry and Shields parameter on flow resistance in gravel-bed channels. <i>Earth Surface Processes and Landforms</i> , 1997, 22, 759-772.	1.2	33
10	Analytical Approach Determining the Optimal Length of Paired Drip Laterals in Uniformly Sloped Fields. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2015, 141, 04014042.	0.6	33
11	A comparison between the single ring pressure infiltrometer and simplified falling head techniques. <i>Hydrological Processes</i> , 2014, 28, 4843-4853.	1.1	31
12	Improvement of FAO-56 Model to Estimate Transpiration Fluxes of Drought Tolerant Crops under Soil Water Deficit: Application for Olive Groves. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2014, 140, .	0.6	31
13	Comparing Different Methods to Determine Soil Physical Quality in a Mediterranean Forest and Pasture Land. <i>Soil Science Society of America Journal</i> , 2016, 80, 1038-1056.	1.2	30
14	Factors Influencing Point Measurement of Near-surface Saturated Soil Hydraulic Conductivity in a Small Sicilian Basin. <i>Land Degradation and Development</i> , 2017, 28, 970-982.	1.8	30
15	Advances in designing drip irrigation laterals. <i>Agricultural Water Management</i> , 2018, 199, 157-174.	2.4	29
16	A simple model of hillslope response for overland flow generation. <i>Hydrological Processes</i> , 2001, 15, 3225-3238.	1.1	28
17	Overland flow generation on hillslopes of complex topography: analytical solutions. <i>Hydrological Processes</i> , 2007, 21, 1308-1317.	1.1	28
18	Modelling the occurrence of rainy days under a typical Mediterranean climate. <i>Advances in Water Resources</i> , 2014, 64, 62-76.	1.7	28

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19	Variability of near-surface saturated hydraulic conductivity for the clay soils of a small Sicilian basin. <i>Geoderma</i> , 2019, 340, 133-145.	2.3	26
20	Overland Flow Times of Concentration for Hillslopes of Complex Topography. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016, 142, .	0.6	24
21	Analytical Solution of Kinematic Wave Time of Concentration for Overland Flow under Green-Ampt Infiltration. <i>Journal of Hydrologic Engineering - ASCE</i> , 2016, 21, .	0.8	23
22	Simplified Model to Predict Runoff Generation Time for Well-Drained and Vegetated Soils. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016, 142, .	0.6	19
23	Simple Relationships for the Optimal Design of Paired Drip Laterals on Uniform Slopes. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016, 142, .	0.6	17
24	SCS Curve Number and Green-Ampt Infiltration Models. <i>Journal of Hydrologic Engineering - ASCE</i> , 2019, 24, .	0.8	17
25	Simplified Probabilistic-Topologic Model for Reproducing Hillslope Rill Network Surface Runoff. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2015, 141, .	0.6	14
26	Analytical Solution of the Richards Equation under Gravity-Driven Infiltration and Constant Rainfall Intensity. <i>Journal of Hydrologic Engineering - ASCE</i> , 2020, 25, .	0.8	14
27	Quick and Slow Components of the Hydrologic Response at the Hillslope Scale. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016, 142, .	0.6	13
28	Modeling the probability distribution of peak discharge for infiltrating hillslopes. <i>Water Resources Research</i> , 2017, 53, 6018-6032.	1.7	13
29	Explicit relationships for optimal designing rectangular microirrigation units on uniform slopes: The IriLab software application. <i>Computers and Electronics in Agriculture</i> , 2018, 153, 151-168.	3.7	13
30	AN ANALYTICAL SOLUTION OF KINEMATIC WAVE EQUATIONS FOR OVERLAND FLOW UNDER GREEN-AMPT INFILTRATION. <i>Journal of Agricultural Engineering</i> , 2010, 41, 41.	0.7	12
31	A rational runoff coefficient for a revisited rational formula. <i>Hydrological Sciences Journal</i> , 2020, 65, 112-126.	1.2	11
32	Determining Soil Hydraulic Properties Using Infiltrometer Techniques: An Assessment of Temporal Variability in a Long-Term Experiment under Minimum- and No-Tillage Soil Management. <i>Sustainability</i> , 2020, 12, 5019.	1.6	11
33	Effects of Biochar on Irrigation Management and Water Use Efficiency for Three Different Crops in a Desert Sandy Soil. <i>Sustainability</i> , 2020, 12, 7678.	1.6	10
34	Effects of traditional forest management on carbon storage in a Mediterranean holm oak (<i>Quercus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.5	10
35	Design of concave and convex paired sloped drip laterals. <i>Agricultural Water Management</i> , 2017, 191, 173-183.	2.4	9
36	Durum wheat yield uncertainty under different tillage management practices and climatic conditions. <i>Soil and Tillage Research</i> , 2019, 194, 104346.	2.6	9

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37	Modelling the frequency distribution of inter-arrival times from daily precipitation time-series in North-West Italy. <i>Hydrology Research</i> , 2019, 50, 339-357.	1.1	8
38	Analytical approach extending the Granier method to radial sap flow patterns. <i>Agricultural Water Management</i> , 2020, 231, 105988.	2.4	8
39	Minor Losses and Best Manifold Position in the Optimal Design of Paired Sloped Drip Laterals. <i>Irrigation and Drainage</i> , 2018, 67, 684-701.	0.8	7
40	Simplified Interception/Evaporation Model. <i>Hydrology</i> , 2021, 8, 99.	1.3	7
41	Discussion of "Analysis of Extreme Rainfall Trends in Sicily for the Evaluation of Depth-Duration-Frequency Curves in Climate Change Scenarios" by Lorena Liuzzo and Gabriele Freni. <i>Journal of Hydrologic Engineering - ASCE</i> , 2016, 21, .	0.8	6
42	Probability Distribution of Peak Discharge at the Hillslope Scale Generated by Hortonian Runoff. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016, 142, .	0.6	6
43	Closed-Form Solutions of the Energy Balance Equation for Drip Laterals under the Darcy-Weisbach Resistance Formula. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2018, 144, .	0.6	5
44	Gravity-Driven Infiltration and Subsidence Phenomena in <i>Posidonia oceanica</i> Residues. <i>Journal of Hydrologic Engineering - ASCE</i> , 2019, 24, .	0.8	5
45	Dimensionless Stage-Discharge Relationship for a Non-Linear Water Reservoir: Theory and Experiments. <i>Hydrology</i> , 2020, 7, 23.	1.3	5
46	Hydraulic Design of the Center-Pivot Irrigation System for Gradually Decreasing Sprinkler Spacing. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2021, 147, .	0.6	5
47	Aridity index, soil erosion and climate drive no-till ecosystem services trade-off in Mediterranean arable land. <i>Catena</i> , 2021, 203, 105350.	2.2	5
48	Closure to "Simple Relationships for the Optimal Design of Paired Drip Laterals on Uniform Slopes" by Giorgio Baiamonte. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016, 142, .	0.6	4
49	USING ROTATING SPRINKLER GUNS IN CENTRE-PIVOT IRRIGATION SYSTEMS. <i>Irrigation and Drainage</i> , 2019, 68, 893-908.	0.8	4
50	Linking the Kinetic Energy Fraction and Equivalent Length Method for Trickle Irrigation Design Under Local Losses. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2020, 146, 04020024.	0.6	4
51	Discussion of "Analysis of Geometrical Relationships and Friction Losses in Small-Diameter Lay-Flat Polyethylene Pipes" by Giuseppe Provenzano, Vincenzo Alagna, Dario Autovino, Juan Manzano Juarez, and Giovanni Rallo. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016, 142, .	0.6	3
52	Erratum for "Simple Relationships for the Optimal Design of Paired Drip Laterals on Uniform Slopes" by Giorgio Baiamonte. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2018, 144, .	0.6	3
53	Complex Rating Curves for Sharp Crested Orifices and Rectangular or Triangular Weirs under Unsteady Flow Conditions. <i>Journal of Hydrologic Engineering - ASCE</i> , 2021, 26, 04021005.	0.8	3
54	Statistical analysis of inter-arrival times of rainfall events for Italian Sub-Alpine and Mediterranean areas. <i>Advances in Science and Research</i> , 2012, 8, 171-177.	1.0	2

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55	Discussion of "Hydraulic Model of Transition of Transient to Steady Flows in the Vadose Zone" by Yaguo Zhang, Tonglu Li, Wei Shen, and Yu Wang. Journal of Hydrologic Engineering - ASCE, 2020, 25, 07020022.	0.8	2
56	Biochar Amended Soils and Water Systems: Investigation of Physical and Structural Properties. Applied Sciences (Switzerland), 2021, 11, 12108.	1.3	2
57	Verification of IRRILAB Software Application for the Hydraulic Design of a Micro-Irrigation System by Using IRRIPRO for an Apple Farm in Sicily. Water (Switzerland), 2021, 13, 694.	1.2	1
58	Measuring and Modelling Evaporation Losses from Wet Branches of Lemon Trees. Hydrology, 2022, 9, 118.	1.3	1
59	Discussion of "Darcy-Weisbach Roughness Coefficients for Gravel and Cobble Surface" by John E. Gilley, Eugene R. Kottwitz, and Gary A. Wieman (January/February, 1992, Vol., 118, No. 1). Journal of Irrigation and Drainage Engineering - ASCE, 1993, 119, 909-911.	0.6	0
60	Discussion of "Unsteady Stage-Discharge Relationships for Sharp-Crested Weirs" by Firouz Ghasemzadeh, Salah Kouchakzadeh, and Gilles Belaud. Journal of Irrigation and Drainage Engineering - ASCE, 2021, 147, 07021001.	0.6	0