Angelo Basile

List of Publications by Year in descending order

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59 papers	1,686 citations	236612 25 h-index	301761 39 g-index
73 all docs	73 docs citations	73 times ranked	1908 citing authors

#	Article	IF	Citations
1	The pesticide fate tool for groundwater vulnerability assessment within the geospatial decision support system LandSupport. Science of the Total Environment, 2022, 807, 150793.	3.9	14
2	Zero-Tillage Effects on Durum Wheat Productivity and Soil-Related Variables in Future Climate Scenarios: A Modeling Analysis. Agronomy, 2022, 12, 331.	1.3	7
3	Assessing the dynamics of soil salinity with time-lapse inversion of electromagnetic data guided by hydrological modelling. Hydrology and Earth System Sciences, 2021, 25, 1509-1527.	1.9	13
4	A new transfer function model for the estimation of non-point-source solute travel times. Journal of Hydrology, 2021, 598, 126157.	2.3	2
5	Exploring the effect of varying soil organic matter contents on current and future moisture supply capacities of six Italian soils. Geoderma, 2020, 361, 114079.	2.3	18
6	A geospatial decision support system to assist olive growing at the landscape scale. Computers and Electronics in Agriculture, 2020, 168, 105143.	3.7	20
7	A modelling approach to discriminate contributions of soil hydrological properties and slope gradient to water stress in Mediterranean vineyards. Agricultural Water Management, 2020, 241, 106338.	2.4	8
8	Managing Soils for Recovering from the COVID-19 Pandemic. Soil Systems, 2020, 4, 46.	1.0	51
9	Soil Monitor: an internet platform to challenge soil sealing in Italy. Land Degradation and Development, 2020, 31, 2883-2900.	1.8	9
10	Targeting the soil quality and soil health concepts when aiming for the United Nations Sustainable Development Goals and the EU Green Deal. Soil, 2020, 6, 453-466.	2.2	43
11	Adaptability of global olive cultivars to water availability under future Mediterranean climate. Mitigation and Adaptation Strategies for Global Change, 2019, 24, 435-466.	1.0	12
12	Assessing the Potential of Cereal Production Systems to Adapt to Contrasting Weather Conditions in the Mediterranean Region. Agronomy, 2019, 9, 393.	1.3	16
13	Special Issue â€œSoil Hydrology in Agricultureâ€• Water (Switzerland), 2019, 11, 1430.	1.2	0
14	A Geospatial Decision Support System Tool for Supporting Integrated Forest Knowledge at the Landscape Scale. Forests, 2019, 10, 690.	0.9	15
15	LCIS DSSâ€”An irrigation supporting system for water use efficiency improvement in precision agriculture: A maize case study. Agricultural Systems, 2019, 176, 102646.	3.2	67
16	Identifying Optimal Irrigation Water Needs at District Scale by Using A Physically Based Agro-Hydrological Model. Water (Switzerland), 2019, 11, 841.	1.2	14
17	How does PTF Interpret Soil Heterogeneity? A Stochastic Approach Applied to a Case Study on Maize in Northern Italy. Water (Switzerland), 2019, 11, 275.	1.2	10
18	Coupling geophysical measurements and hydrological modeling for the determination of longitudinal dispersivity. , 2019, , .		2

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19	Andic soils and flowâ€like landslides: Causeâ€“effect evidence from Italy. Land Degradation and Development, 2019, 30, 128-140.	1.8	8
20	The hidden ecological resource of andic soils in mountain ecosystems: evidence from Italy. Solid Earth, 2018, 9, 63-74.	1.2	10
21	Evaluation of the effects of future climate change on grape quality through a physically based model application: a case study for the Aglianico grapevine in Campania region, Italy. Agricultural Systems, 2017, 152, 100-109.	3.2	37
22	A geospatial decision support system for supporting quality viticulture at the landscape scale. Computers and Electronics in Agriculture, 2017, 140, 88-102.	3.7	22
23	Adaptability to future climate of irrigated crops: The interplay of water management and cultivars responses. A case study on tomato. Biosystems Engineering, 2017, 157, 45-62.	1.9	9
24	Soil Sealing: Quantifying Impacts on Soil Functions by a Geospatial Decision Support System. Land Degradation and Development, 2017, 28, 2513-2526.	1.8	13
25	The role of soils in the analysis of potential agricultural production: A case study in Lebanon. Agricultural Systems, 2017, 156, 67-75.	3.2	14
26	Spatial analysis of clay content in soils using neurocomputing and pedological support: a case study of Valle Telesina (South Italy). Environmental Earth Sciences, 2016, 75, 1.	1.3	0
27	Assessing the Potential of Intra-specific Biodiversity towards Adaptation of Irrigated and Rain-fed Italian Production Systems to Future Climate. Procedia Environmental Sciences, 2015, 29, 264-265.	1.3	0
28	Functional homogeneous zones (fHZs) in viticultural zoning procedure: an Italian case study on Aglianico vine. Soil, 2015, 1, 427-441.	2.2	38
29	Volcanic soils and landslides: a case study of the island of Ischia (southern Italy) and its relationship with other Campania events. Solid Earth, 2015, 6, 783-797.	1.2	20
30	A Web-based spatial decision supporting system for land management and soil conservation. Solid Earth, 2015, 6, 903-928.	1.2	50
31	Climate Change Effects on the Suitability of an Agricultural Area to Maize Cultivation. Advances in Agronomy, 2015, 133, 33-69.	2.4	30
32	Simulated Preferential Water Flow and Solute Transport in Shrinking Soils. Vadose Zone Journal, 2015, 14, 1-22.	1.3	28
33	Climate change, effective water use for irrigation and adaptability of maize: A case study in southern Italy. Biosystems Engineering, 2014, 128, 82-99.	1.9	26
34	Comparison of hydraulic behaviour of unvegetated and vegetationâ€stabilized sand dunes in arid desert ecosystems. Ecohydrology, 2013, 6, 264-274.	1.1	18
35	Dielectric properties of a tilled sandy volcanic-vesuvian soil with moderate andic features. Soil and Tillage Research, 2013, 133, 93-100.	2.6	15
36	Measuring and modeling water content in stony soils. Soil and Tillage Research, 2013, 128, 9-22.	2.6	59

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37	A Stochastic Texture-based Approach for Evaluating Solute Travel Times to Groundwater at Regional Scale by Coupling GIS and Transfer Function. Procedia Environmental Sciences, 2013, 19, 711-722.	1.3	4
38	Future Soil Issues. World Soils Book Series, 2013, , 303-348.	0.1	9
39	Adaptation of Irrigated and Rainfed Agriculture to Climate Change: The Vulnerability of Production Systems and the Potential of Intraspecific Biodiversity (Case Studies in Italy). , 2013, , 1-35.		1
40	Dualâ€permeability model for flow in shrinking soil with dominant horizontal deformation. Water Resources Research, 2012, 48, .	1.7	51
41	Complementary techniques to assess physical properties of a fine soil irrigated with saline water. Environmental Earth Sciences, 2012, 66, 1797-1807.	1.3	43
42	Nitrate leaching under maize cropping systems in Po Valley (Italy). Agriculture, Ecosystems and Environment, 2012, 147, 57-65.	2.5	135
43	A physically oriented approach to analysis and mapping of terroirs. Geoderma, 2011, 167-168, 103-117.	2.3	50
44	Potential and limitations of using soil mapping information to understand landscape hydrology. Hydrology and Earth System Sciences, 2011, 15, 3895-3933.	1.9	26
45	Use of Physically Based Models to Evaluate USDA Soil Moisture Classes. Soil Science Society of America Journal, 2011, 75, 181-191.	1.2	12
46	Hydrological behaviour of microbiotic crusts on sand dunes: Example from NW China comparing infiltration in crusted and crust-removed soil. Soil and Tillage Research, 2011, 117, 34-43.	2.6	35
47	Solute transport scales in an unsaturated stony soil. Advances in Water Resources, 2011, 34, 747-759.	1.7	27
48	High-resolution spaceâ€“time rainfall analysis using integrated ANN inference systems. Journal of Hydrology, 2010, 387, 328-342.	2.3	62
49	SWAP, CropSyst and MACRO comparison in two contrasting soils cropped with maize in Northern Italy. Agricultural Water Management, 2010, 97, 1051-1062.	2.4	71
50	Monte Carlo analysis of field water flow comparing uni- and bimodal effective hydraulic parameters for structured soil. Journal of Contaminant Hydrology, 2009, 104, 153-165.	1.6	43
51	Darcian preferential water flow and solute transport through bimodal porous systems: Experiments and modelling. Journal of Contaminant Hydrology, 2009, 104, 74-83.	1.6	46
52	Comparative Land Evaluation approaches: An itinerary from FAO framework to simulation modelling. Geoderma, 2009, 150, 367-378.	2.3	38
53	Scaling Approach to Deduce Field Unsaturated Hydraulic Properties and Behavior from Laboratory Measurements on Small Cores. Vadose Zone Journal, 2006, 5, 1005-1016.	1.3	42
54	Hysteresis in soil water characteristics as a key to interpreting comparisons of laboratory and field measured hydraulic properties. Water Resources Research, 2003, 39, .	1.7	95

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55	Soil hydraulic behaviour of a selected benchmark soil involved in the landslide of Sarno 1998. Geoderma, 2003, 117, 331-346.	2.3	61
56	Experimental corrections of simplified methods for predicting water retention curves in clay-loamy soils from particle-size determination. Soil and Tillage Research, 1997, 10, 261-272.	0.4	49
57	Physico-empirical approach for mapping soil hydraulic behaviour. Hydrology and Earth System Sciences, 1997, 1, 915-923.	1.9	5
58	Temporal stability of spatial patterns of soil water storage in a cultivated Vesuvian soil. Geoderma, 1994, 62, 299-310.	2.3	60
59	A Review of Approaches for Measuring Soil Hydraulic Properties and Assessing the Impacts of Spatial Dependence on the Results. , 0, , .		2