Giuseppe Brunetti

List of Publications by Year
in descending order

26	668	567281 15	580821 25
papers	citations	h-index	g-index

28	28	28	685
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A comprehensive numerical analysis of the hydraulic behavior of a permeable pavement. Journal of Hydrology, 2016, 540, 1146-1161.	5.4	98
2	Unsaturated hydraulic behaviour of a permeable pavement: Laboratory investigation and numerical analysis by using the HYDRUS-2D model. Journal of Hydrology, 2017, 554, 780-791.	5.4	59
3	On the use of surrogate-based modeling for the numerical analysis of Low Impact Development techniques. Journal of Hydrology, 2017, 548, 263-277.	5.4	55
4	A Comprehensive Analysis of the Variably Saturated Hydraulic Behavior of a Green Roof in a Mediterranean Climate. Vadose Zone Journal, 2016, 15, 1-17.	2.2	54
5	GPER Mediates a Feedforward FGF2/FGFR1 Paracrine Activation Coupling CAFs to Cancer Cells Toward Breast Tumor Progression. Cells, 2019, 8, 223.	4.1	41
6	A computationally efficient pseudo-3D model for the numerical analysis of borehole heat exchangers. Applied Energy, 2017, 208, 1113-1127.	10.1	32
7	Multi-level numerical and statistical analysis of the hygrothermal behavior of a non-vegetated green roof in a mediterranean climate. Applied Energy, 2018, 221, 204-219.	10.1	30
8	On the Information Content of Cosmicâ€Ray Neutron Data in the Inverse Estimation of Soil Hydraulic Properties. Vadose Zone Journal, 2019, 18, 1-24.	2.2	29
9	On the environmental benefits of a permeable pavement: metals potential removal efficiency and Life Cycle Assessment. Urban Water Journal, 2020, 17, 619-627.	2.1	28
10	Modeling the Translocation and Transformation of Chemicals in the Soilâ€Plant Continuum: A Dynamic Plant Uptake Module for the HYDRUS Model. Water Resources Research, 2019, 55, 8967-8989.	4.2	27
11	On the use of global sensitivity analysis for the numerical analysis of permeable pavements. Urban Water Journal, 2018, 15, 269-275.	2.1	26
12	A Cumulative Rainfall Function for Subhourly Design Storm in Mediterranean Urban Areas. Advances in Meteorology, 2015, 2015, 1-10.	1.6	24
13	A hybrid finite volume-finite element model for the numerical analysis of furrow irrigation and fertigation. Computers and Electronics in Agriculture, 2018, 150, 312-327.	7.7	23
14	A Comprehensive Approach to Stormwater Management Problems in the Next Generation Drainage Networks. Internet of Things, 2019, , 275-304.	1.7	20
15	Disentangling model complexity in green roof hydrological analysis: A Bayesian perspective. Water Research, 2020, 182, 115973.	11.3	18
16	On the Use of Mechanistic Soilâ€“Plant Uptake Models: A Comprehensive Experimental and Numerical Analysis on the Translocation of Carbamazepine in Green Pea Plants. Environmental Science & Technology, 2021, 55, 2991-3000.	10.0	18
17	Handling model complexity with parsimony: Numerical analysis of the nitrogen turnover in a controlled aquifer model setup. Journal of Hydrology, 2020, 584, 124681.	5.4	16
18	Balancing exploitation and exploration: A novel hybrid global-local optimization strategy for hydrological model calibration. Environmental Modelling and Software, 2022, 150, 105341.	4.5	15

#	Article	IF	Citations
19	The impact of evaporation fractionation on the inverse estimation of soil hydraulic and isotope transport parameters. Journal of Hydrology, 2022, 612, 128100.	5.4	13
20	A novel multiscale biophysical model to predict the fate of ionizable compounds in the soil-plant continuum. Journal of Hazardous Materials, 2022, 423, 127008.	12.4	12
21	Modelling the Hydraulic Behaviour of Growing Media with the Explicit Finite Volume Solution. Water (Switzerland), 2015, 7, 568-591.	2.7	10
22	Minimum Inter-Event Time to Identify Independent Rainfall Events in Urban Catchment Scale. Advanced Materials Research, 2014, 1073-1076, 1630-1633.	0.3	4
23	Solids Removal Efficiency of a Sedimentation Tank in a Peri-Urban Catchment. Sustainability, 2020, 12, 7196.	3.2	4
24	Green Roofs for domestic wastewater treatment: Experimental and numerical analysis of nitrogen turnover. Journal of Hydrology, 2021, 603, 127132.	5.4	4
25	Modeling seasonal soil moisture dynamics in gley soils in relation to groundwater table oscillations in eastern Croatia. Catena, 2022, 211, 105987.	5.0	3
26	MODELLING THE HYDRAULIC BEHAVIOUR OF GREEN ROOFS THROUGH A SEMI-CONCEPTUAL RESERVOIR ELEMENT MODEL. , 2018, , .		1