

# Giuseppe Brunetti

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

668  
citations

567281

15  
h-index

580821

25  
g-index

28  
all docs

28  
docs citations

28  
times ranked

685  
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel multiscale biophysical model to predict the fate of ionizable compounds in the soil-plant continuum. <i>Journal of Hazardous Materials</i> , 2022, 423, 127008.	12.4	12
2	Modeling seasonal soil moisture dynamics in gley soils in relation to groundwater table oscillations in eastern Croatia. <i>Catena</i> , 2022, 211, 105987.	5.0	3
3	Balancing exploitation and exploration: A novel hybrid global-local optimization strategy for hydrological model calibration. <i>Environmental Modelling and Software</i> , 2022, 150, 105341.	4.5	15
4	The impact of evaporation fractionation on the inverse estimation of soil hydraulic and isotope transport parameters. <i>Journal of Hydrology</i> , 2022, 612, 128100.	5.4	13
5	On the Use of Mechanistic Soil-Plant Uptake Models: A Comprehensive Experimental and Numerical Analysis on the Translocation of Carbamazepine in Green Pea Plants. <i>Environmental Science &amp; Technology</i> , 2021, 55, 2991-3000.	10.0	18
6	Green Roofs for domestic wastewater treatment: Experimental and numerical analysis of nitrogen turnover. <i>Journal of Hydrology</i> , 2021, 603, 127132.	5.4	4
7	Disentangling model complexity in green roof hydrological analysis: A Bayesian perspective. <i>Water Research</i> , 2020, 182, 115973.	11.3	18
8	Handling model complexity with parsimony: Numerical analysis of the nitrogen turnover in a controlled aquifer model setup. <i>Journal of Hydrology</i> , 2020, 584, 124681.	5.4	16
9	On the environmental benefits of a permeable pavement: metals potential removal efficiency and Life Cycle Assessment. <i>Urban Water Journal</i> , 2020, 17, 619-627.	2.1	28
10	Solids Removal Efficiency of a Sedimentation Tank in a Peri-Urban Catchment. <i>Sustainability</i> , 2020, 12, 7196.	3.2	4
11	A Comprehensive Approach to Stormwater Management Problems in the Next Generation Drainage Networks. <i>Internet of Things</i> , 2019, , 275-304.	1.7	20
12	Modeling the Translocation and Transformation of Chemicals in the Soil-Plant Continuum: A Dynamic Plant Uptake Module for the HYDRUS Model. <i>Water Resources Research</i> , 2019, 55, 8967-8989.	4.2	27
13	GPER Mediates a Feedforward FGF2/FGFR1 Paracrine Activation Coupling CAFs to Cancer Cells Toward Breast Tumor Progression. <i>Cells</i> , 2019, 8, 223.	4.1	41
14	On the Information Content of Cosmic-Ray Neutron Data in the Inverse Estimation of Soil Hydraulic Properties. <i>Vadose Zone Journal</i> , 2019, 18, 1-24.	2.2	29
15	On the use of global sensitivity analysis for the numerical analysis of permeable pavements. <i>Urban Water Journal</i> , 2018, 15, 269-275.	2.1	26
16	Multi-level numerical and statistical analysis of the hygrothermal behavior of a non-vegetated green roof in a mediterranean climate. <i>Applied Energy</i> , 2018, 221, 204-219.	10.1	30
17	A hybrid finite volume-finite element model for the numerical analysis of furrow irrigation and fertigation. <i>Computers and Electronics in Agriculture</i> , 2018, 150, 312-327.	7.7	23
18	MODELLING THE HYDRAULIC BEHAVIOUR OF GREEN ROOFS THROUGH A SEMI-CONCEPTUAL RESERVOIR ELEMENT MODEL. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
19	On the use of surrogate-based modeling for the numerical analysis of Low Impact Development techniques. <i>Journal of Hydrology</i> , 2017, 548, 263-277.	5.4	55
20	Unsaturated hydraulic behaviour of a permeable pavement: Laboratory investigation and numerical analysis by using the HYDRUS-2D model. <i>Journal of Hydrology</i> , 2017, 554, 780-791.	5.4	59
21	A computationally efficient pseudo-3D model for the numerical analysis of borehole heat exchangers. <i>Applied Energy</i> , 2017, 208, 1113-1127.	10.1	32
22	A Comprehensive Analysis of the Variably Saturated Hydraulic Behavior of a Green Roof in a Mediterranean Climate. <i>Vadose Zone Journal</i> , 2016, 15, 1-17.	2.2	54
23	A comprehensive numerical analysis of the hydraulic behavior of a permeable pavement. <i>Journal of Hydrology</i> , 2016, 540, 1146-1161.	5.4	98
24	Modelling the Hydraulic Behaviour of Growing Media with the Explicit Finite Volume Solution. <i>Water (Switzerland)</i> , 2015, 7, 568-591.	2.7	10
25	A Cumulative Rainfall Function for Subhourly Design Storm in Mediterranean Urban Areas. <i>Advances in Meteorology</i> , 2015, 2015, 1-10.	1.6	24
26	Minimum Inter-Event Time to Identify Independent Rainfall Events in Urban Catchment Scale. <i>Advanced Materials Research</i> , 2014, 1073-1076, 1630-1633.	0.3	4