Naomi Mazzilli

List of Publications by Year
in descending order

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33 papers	784 citations	516710 16 h-index	526287 27 g-index
43 all docs	43 docs citations	43 times ranked	875 citing authors

#	Article	IF	Citations
1	OZCAR: The French Network of Critical Zone Observatories. Vadose Zone Journal, 2018, 17, 1-24.	2.2	126
2	KarstMod: A modelling platform for rainfall - discharge analysis and modelling dedicated to karst systems. Environmental Modelling and Software, 2019, 122, 103927.	4.5	50
3	Management and research strategies of karst aquifers in Greece: Literature overview and exemplification based on hydrodynamic modelling and vulnerability assessment of a strategic karst aquifer. Science of the Total Environment, 2018, 643, 592-609.	8.0	49
4	Global karst springs hydrograph dataset for research and management of the worldâ€™s fastest-flowing groundwater. Scientific Data, 2020, 7, 59.	5.3	45
5	The role of porous matrix in water flow regulation within a karst unsaturated zone: an integrated hydrogeophysical approach. Hydrogeology Journal, 2016, 24, 1905-1918.	2.1	41
6	Flash flood mitigation as a positive consequence of anthropogenic forcing on the groundwater resource in a karst catchment. Environmental Earth Sciences, 2014, 71, 573-583.	2.7	39
7	Assessment of groundwater recharge processes through karst vadose zone by cave percolation monitoring. Hydrological Processes, 2018, 32, 2069-2083.	2.6	39
8	Karst recharge-discharge semi distributed model to assess spatial variability of flows. Science of the Total Environment, 2020, 703, 134368.	8.0	38
9	SNO KARST: A French Network of Observatories for the Multidisciplinary Study of Critical Zone Processes in Karst Watersheds and Aquifers. Vadose Zone Journal, 2018, 17, 1-18.	2.2	37
10	Karst modelling challenge 1: Results of hydrological modelling. Journal of Hydrology, 2021, 600, 126508.	5.4	31
11	Dynamics of the Flow Exchanges between Matrix and Conduits in Karstified Watersheds at Multiple Temporal Scales. Water (Switzerland), 2019, 11, 569.	2.7	24
12	Groundwater management of a highly dynamic karst by assessing baseflow and quickflow with a rainfall-discharge model (Dardennes springs, SE France). Bulletin - Societie Geologique De France, 2017, 188, 40.	2.2	23
13	Contribution of magnetic resonance soundings for characterizing water storage in the unsaturated zone of karst aquifers. Geophysics, 2016, 81, WB49-WB61.	2.6	22
14	Assessment of the relative impacts of climate changes and anthropogenic forcing on spring discharge of a Mediterranean karst system. Journal of Hydrology, 2021, 598, 126396.	5.4	22
15	Estimating epikarst water storage by time-lapse surface-to-depth gravity measurements. Hydrology and Earth System Sciences, 2018, 22, 3825-3839.	4.9	19
16	Sensitivity analysis of conceptual model calibration to initialisation bias. Application to karst spring discharge models. Advances in Water Resources, 2012, 42, 1-16.	3.8	18
17	Karst spring discharge modeling based on deep learning using spatially distributed input data. Hydrology and Earth System Sciences, 2022, 26, 2405-2430.	4.9	17
18	Karst flow processes explored through analysis of long-term unsaturated-zone discharge hydrochemistry: a 10-year study in Rustrel, France. Hydrogeology Journal, 2019, 27, 1711-1723.	2.1	16

#	Article	IF	Citations
19	An evapotranspiration model driven by remote sensing data for assessing groundwater resource in karst watershed. Science of the Total Environment, 2021, 781, 146706.	8.0	15
20	Sensitivity analysis of two-dimensional steady-state aquifer flow equations. Implications for groundwater flow model calibration and validation. Advances in Water Resources, 2010, 33, 905-922.	3.8	11
21	On the inclusion of ground-based gravity measurements to the calibration process of a global rainfall-discharge reservoir model: case of the Durzon karst system (Larzac, southern France). Environmental Earth Sciences, 2013, 68, 1631-1646.	2.7	11
22	Challenges and Limitations of Karst Aquifer Vulnerability Mapping Based on the PaPRIKa Methodâ€"Application to a Large European Karst Aquifer (Fontaine de Vaucluse, France). Environments - MDPI, 2019, 6, 39.	3.3	11
23	Surface Nuclear Magnetic Resonance Monitoring Reveals Karst Unsaturated Zone Recharge Dynamics during a Rain Event. Water (Switzerland), 2020, 12, 3183.	2.7	10
24	Monitoring of groundwater redistribution in a karst aquifer using a superconducting gravimeter. E3S Web of Conferences, 2019, 88, 03001.	0.5	9
25	Modeling the Matrix-Conduit Exchanges in Both the Epikarst and the Transmission Zone of Karst Systems. Water (Switzerland), 2020, 12, 3219.	2.7	9
26	Identification of relevant indicators for the assessment of karst systems hydrological functioning: Proposal of a new classification. Journal of Hydrology, 2021, 603, 127006.	5.4	9
27	KARSTMOD: A Generic Modular Reservoir Model Dedicated to Spring Discharge Modeling and Hydrodynamic Analysis in Karst. , 2015, , 339-344.		8
28	A QGIS Plugin Based on the PaPRIKa Method for Karst Aquifer Vulnerability Mapping. Ground Water, 2019, 57, 201-204.	1.3	8
29	Teaching groundwater flow processes: connecting lecture to practical and field classes. Hydrology and Earth System Sciences, 2013, 17, 1975-1984.	4.9	6
30	Taking into Account both Explicit Conduits and the Unsaturated Zone in Karst Reservoir Hybrid Models: Impact on the Outlet Hydrograph. Water (Switzerland), 2020, 12, 3221.	2.7	5
31	Impact of Withdrawals on Karst Watershed Water Supply. Water (Switzerland), 2022, 14, 1339.	2.7	3
32	Water in Karst Hydrosystems Unsaturated Zone; MRS Evidences within an Integrated Hydrogeophysical Approach. , 2014, , .		1
33	Applicability of MRS Soundings for the Characterisation of the Unsaturated Zone of Karst Systems. , 2012, , .		1