

Emilie Garel

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

551
citations

759233

12
h-index

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34
times ranked

543
citing authors

#	ARTICLE	IF	CITATIONS
1	Groundwater dependent ecosystems in coastal Mediterranean regions: Characterization, challenges and management for their protection. <i>Water Research</i> , 2020, 172, 115461.	11.3	75
2	Strontium isotopes as tracers of water-rocks interactions, mixing processes and residence time indicator of groundwater within the granite-carbonate coastal aquifer of Bonifacio (Corsica). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 697 T</i>	11.3	75
3	Delayed nitrate dispersion within a coastal aquifer provides constraints on land-use evolution and nitrate contamination in the past. <i>Science of the Total Environment</i> , 2018, 644, 928-940.	8.0	44
4	Identifying groundwater degradation sources in a Mediterranean coastal area experiencing significant multi-origin stresses. <i>Science of the Total Environment</i> , 2020, 746, 141203.	8.0	42
5	Combinations of geoenvironmental data underline coastal aquifer anthropogenic nitrate legacy through groundwater vulnerability mapping methods. <i>Science of the Total Environment</i> , 2019, 658, 1390-1403.	8.0	29
6	Residence time, mineralization processes and groundwater origin within a carbonate coastal aquifer with a thick unsaturated zone. <i>Journal of Hydrology</i> , 2016, 540, 50-63.	5.4	27
7	Origin and recharge mechanisms of groundwater in the upper part of the Awaj River (Syria) based on hydrochemistry and environmental isotope techniques. <i>Arabian Journal of Geosciences</i> , 2015, 8, 10521-10542.	1.3	23
8	Monitoring water flow in a clay-shale hillslope from geophysical data fusion based on a fuzzy logic approach. <i>Comptes Rendus - Geoscience</i> , 2009, 341, 937-948.	1.2	21
9	Geological discontinuities, main flow path and chemical alteration in a marly hill prone to slope instability: Assessment from petrophysical measurements and borehole image analysis. <i>Hydrological Processes</i> , 2012, 26, 2071-2084.	2.6	21
10	Multiple recharge processes to heterogeneous Mediterranean coastal aquifers and implications on recharge rates evolution in time. <i>Journal of Hydrology</i> , 2018, 559, 669-683.	5.4	20
11	Coupling isotope hydrology, geochemical tracers and emerging compounds to evaluate mixing processes and groundwater dependence of a highly anthropized coastal hydrosystem. <i>Journal of Hydrology</i> , 2019, 578, 123979.	5.4	18
12	How Do Mediterranean Pine Trees Respond to Drought and Precipitation Events along an Elevation Gradient?. <i>Forests</i> , 2020, 11, 758.	2.1	16
13	Large scale rainfall simulation to investigate infiltration processes in a small landslide under dry initial conditions: the Draix hillslope experiment. <i>Hydrological Processes</i> , 2012, 26, 2171-2186.	2.6	15
14	Shallow groundwater quality evolution after 20 years of exploitation in the southern Lake Chad: hydrochemistry and stable isotopes survey in the far north of Cameroon. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	2.7	14
15	Partitioning of Large-Scale and Local-Scale Precipitation Events by Means of Spatio-Temporal Precipitation Regimes on Corsica. <i>Atmosphere</i> , 2020, 11, 417.	2.3	14
16	Hydrochemistry to delineate groundwater flow conditions in the Mogher Al Mer area (Damascus). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 13</i>	2.7	13
17	Growth variability of two native pine species on Corsica as a function of elevation. <i>Dendrochronologia</i> , 2019, 54, 49-55.	2.2	12
18	First indications of seasonal and spatial variations of water sources in pine trees along an elevation gradient in a Mediterranean ecosystem derived from $\delta^{18}O$. <i>Chemical Geology</i> , 2020, 549, 119695.	3.3	12

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19	Characterization of the aquifers of the Bangui urban area, Central African Republic, as an alternative drinking water supply resource. <i>Hydrological Sciences Journal</i> , 2013, 58, 1760-1778.	2.6	11
20	Temporal offset between precipitation and water uptake of Mediterranean pine trees varies with elevation and season. <i>Science of the Total Environment</i> , 2021, 755, 142539.	8.0	10
21	The challenge of assessing the proper functioning conditions of coastal lagoons to improve their future management. <i>Science of the Total Environment</i> , 2022, 803, 150052.	8.0	10
22	Assessing the hydrogeological resilience of a groundwater-dependent Mediterranean peatland: Impact of global change and role of water management strategies. <i>Science of the Total Environment</i> , 2021, 768, 144721.	8.0	8
23	Evaporation in Mediterranean conditions: Estimations based on isotopic approaches at the watershed scale. <i>Hydrological Processes</i> , 2021, 35, e14085.	2.6	8
24	An Analytical Method for Assessing Recharge Using Groundwater Travel Time in Dupuit-Forchheimer Aquifers. <i>Ground Water</i> , 2018, 56, 986-992.	1.3	7
25	The Dry and the Wet Case: Tree Growth Response in Climatologically Contrasting Years on the Island of Corsica. <i>Forests</i> , 2021, 12, 1175.	2.1	6
26	Riverine carbon dioxide evasion along a high-relief watercourse derived from seasonal dynamics of the water-atmosphere gas exchange. <i>Science of the Total Environment</i> , 2019, 657, 1311-1322.	8.0	5
27	Altitude isotope effects in Mediterranean high-relief terrains: a correction method to utilize stream water data. <i>Hydrological Sciences Journal</i> , 2021, 66, 1409-1418.	2.6	5
28	Detection and quantification of low submarine groundwater discharge flows by radionuclides to support conceptual hydrogeological model of porous aquifers. <i>Journal of Hydrology</i> , 2020, 583, 124606.	5.4	4
29	Geochemical and Isotope Characterisation of Thermo-Mineral Springs of Corsica Island: From Geological Complexity to Groundwater Singularity. <i>Water (Switzerland)</i> , 2021, 13, 2413.	2.7	3
30	Isotope hydrology to provide insights into the behaviour of temporary wetlands as a basis for developing sustainable ecohydrological management strategies in Mediterranean regions. <i>Ecohydrology</i> , 2022, 15, .	2.4	2
31	Fog - low stratus (FLS) regimes on Corsica with wind and PBLH as key drivers. <i>Atmospheric Research</i> , 2021, 261, 105731.	4.1	1
32	Insight into Groundwater Resources along the Coast of Benin (West Africa) through Geochemistry and Isotope Hydrology; Recommendations for Improved Management. <i>Water (Switzerland)</i> , 2022, 14, 2154.	2.7	1
33	Multi-tracers Strategy to Define a Conceptual Model for the Coastal Aquifers of Mediterranean Islands, Case Study of the Bonifacio Aquifer (Corsica, France). <i>Environmental Earth Sciences</i> , 2018, , 297-304.	0.2	0
34	The input signal to a carbonate aquifer highlights recharge processes and climate evolution under temperate Atlantic conditions. <i>Hydrological Sciences Journal</i> , 2022, 67, 1238-1252.	2.6	0