

# Frederic Huneau

## List of Publications by Year in descending order

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91  
papers

1,869  
citations

218677

26  
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330143

37  
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all docs

93  
docs citations

93  
times ranked

2293  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rainwater chemistry at a Mediterranean inland station (Avignon, France): Local contribution versus long-range supply. <i>Atmospheric Research</i> , 2009, 91, 118-126.	4.1	98
2	Pharmaceuticals in Rivers of Two Regions with Contrasted Socio-Economic Conditions: Occurrence, Accumulation, and Comparison for Ukraine and France. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 2111-2124.	2.4	75
3	Groundwater dependent ecosystems in coastal Mediterranean regions: Characterization, challenges and management for their protection. <i>Water Research</i> , 2020, 172, 115461.	11.3	75
4	Groundwater resources use and management in the Amu Darya River Basin (Central Asia). <i>Environmental Earth Sciences</i> , 2010, 59, 1183-1193.	2.7	61
5	Flow pattern and residence time of groundwater within the south-eastern Taoudeni sedimentary basin (Burkina Faso, Mali). <i>Journal of Hydrology</i> , 2011, 409, 423-439.	5.4	54
6	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, France). <i>Journal of Hydrology</i> , 2010, 381, 537-547.	10.5	537
7	Evaluation of pharmaceuticals in surface water: Reliability of PECs compared to MECs. <i>Environment International</i> , 2014, 73, 10-21.	10.0	51
8	Water reservoirs, irrigation and sedimentation in Central Asia: a first-cut assessment for Uzbekistan. <i>Environmental Earth Sciences</i> , 2013, 68, 985-998.	2.7	46
9	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
10	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
11	Groundwater quality in the coastal aquifer of the Bonifacio (Corsica, France). <i>Hydrogeology Journal</i> , 2011, 19, 1545-1562.	2.1	41
12	Monitoring of trace metals and pharmaceuticals as anthropogenic and socio-economic indicators of urban and industrial impact on surface waters. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 3581-3601.	2.7	41
13	Priority substances and emerging pollutants in urban rivers in Ukraine: Occurrence, fluxes and loading to transboundary European Union watersheds. <i>Science of the Total Environment</i> , 2018, 637-638, 1358-1362.	8.0	41
14	Twenty years of groundwater evolution in the Triassic sandstone aquifer of Lorraine: Impacts on baseline water quality. <i>Applied Geochemistry</i> , 2009, 24, 1198-1213.	3.0	37
15	Identification of functional relationships between atmospheric pressure and CO <sub>2</sub> in the cave of Lascaux using the concept of entropy of curves. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	35
16	Geostatistical approach for the assessment of the water reservoir capacity in arid regions: a case study of the Akdarya reservoir, Uzbekistan. <i>Environmental Earth Sciences</i> , 2011, 63, 447-460.	2.7	34
17	The impact of urban development on aquifers in large coastal cities of West Africa: Present status and future challenges. <i>Land Use Policy</i> , 2018, 75, 352-363.	5.6	34
18	Carbon isotopes to constrain the origin and circulation pattern of groundwater in the north-western part of the Bohemian Cretaceous Basin (Czech Republic). <i>Applied Geochemistry</i> , 2010, 25, 1265-1279.	3.0	33

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19	Nitrate contamination in a shallow urban aquifer in East Ukraine: evidence from hydrochemical, stable isotopes of nitrate and land use analysis. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	2.7	33
20	Distribution of trace elements in waters and sediments of the Seversky Donets transboundary watershed (Kharkiv region, Eastern Ukraine). <i>Applied Geochemistry</i> , 2012, 27, 2077-2087.	3.0	32
21	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
22	Facts and Perspectives of Water Reservoirs in Central Asia: A Special Focus on Uzbekistan. <i>Water (Switzerland)</i> , 2010, 2, 307-320.	2.7	28
23	Trace element transfer from soil to leaves of macrophytes along the Jalle d'Éysines River, France and their potential use as contamination biomonitors. <i>Ecological Indicators</i> , 2014, 46, 425-437.	6.3	28
24	Isotopic and geochemical identification of main groundwater supply sources to an alluvial aquifer, the Allier River valley (France). <i>Journal of Hydrology</i> , 2014, 508, 181-196.	5.4	28
25	Identification of different groundwater flowpaths within volcanic aquifers using natural tracers for the evaluation of the influence of lava flows morphology (Argnat basin, Chaîne des Puys, France). <i>Journal of Hydrology</i> , 2010, 391, 223-234.	5.4	27
26	Hydrochemical data and groundwater dating to infer differential flowpaths through weathered profiles of a fractured aquifer. <i>Applied Geochemistry</i> , 2012, 27, 2053-2067.	3.0	27
27	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
28	Impact of irrigated agriculture on groundwater resources in a temperate humid region. <i>Science of the Total Environment</i> , 2018, 613-614, 1302-1316.	8.0	25
29	Palaeorecharge conditions of the deep aquifers of the Northern Aquitaine region (France). <i>Journal of Hydrology</i> , 2009, 368, 1-16.	5.4	24
30	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
31	Monitoring and flux determination of trace metals in rivers of the Seversky Donets basin (Ukraine) using DGT passive samplers. <i>Environmental Earth Sciences</i> , 2012, 65, 1715-1725.	2.7	22
32	Determination of dominant sources of nitrate contamination in transboundary (Russian) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (F Assessment, 2017, 189, 509.	2.7	22
33	GPR data processing for fractures and flakes detection in sandstone. <i>Journal of Applied Geophysics</i> , 2009, 68, 282-288.	2.1	20
34	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
35	In situ stabilization of trace metals in a copper-contaminated soil using P-spiked Linz' Donawitz slag. <i>Environmental Science and Pollution Research</i> , 2012, 19, 847-857.	5.3	19
36	Groundwater resources of Uzbekistan: an environmental and operational overview. <i>Open Geosciences</i> , 2012, 4, .	1.7	19

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37	Historical mercury trends recorded in sediments from the Laguna del Plata, Córdoba, Argentina. <i>Chemie Der Erde</i> , 2014, 74, 353-363.	2.0	19
38	Small-scale chemical and isotopic variability of hydrological pathways in a mountain lake catchment. <i>Journal of Hydrology</i> , 2020, 585, 124834.	5.4	19
39	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
40	Identification of processes that control the stable isotope composition of rainwater in the humid tropical West-Central Africa. <i>Journal of Hydrology</i> , 2020, 584, 124650.	5.4	18
41	Groundwater flow dynamics of weathered hard-rock aquifers under climate-change conditions: an illustrative example of numerical modeling through the equivalent porous media approach in the north-western Pyrenees (France). <i>Hydrogeology Journal</i> , 2016, 24, 1359-1373.	2.1	17
42	Defining a stable water isotope framework for isotope hydrology application in a large trans-boundary watershed (Russian Federation/Ukraine). <i>Isotopes in Environmental and Health Studies</i> , 2018, 54, 147-167.	1.0	17
43	Quantification of water and sewage leakages from urban infrastructure into a shallow aquifer in East Ukraine. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	2.7	17
44	Suspended particulate matter determines physical speciation of Fe, Mn, and trace metals in surface waters of Loire watershed. <i>Environmental Science and Pollution Research</i> , 2019, 26, 5251-5266.	5.3	17
45	How Do Mediterranean Pine Trees Respond to Drought and Precipitation Events along an Elevation Gradient?. <i>Forests</i> , 2020, 11, 758.	2.1	16
46	Using the ground-penetrating radar to assess the conservation condition of rock-art sites. <i>Comptes Rendus - Geoscience</i> , 2007, 339, 536-544.	1.2	14
47	Intrinsic vulnerability mapping for small mountainous karst aquifers, implementation of the new PaPRIKa method to Western Pyrenees (France). <i>Engineering Geology</i> , 2013, 161, 81-93.	6.3	14
48	Isotopic response of runoff to forest disturbance in small mountain catchments. <i>Hydrological Processes</i> , 2018, 32, 3650-3661.	2.6	14
49	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
50	Tritium as a hydrological tracer in Mediterranean precipitation events. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 3555-3568.	4.9	14
51	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
52	Shallow urban aquifers under hyper-recharge equatorial conditions and strong anthropogenic constrains. Implications in terms of groundwater resources potential and integrated water resources management strategies. <i>Science of the Total Environment</i> , 2021, 757, 143887.	8.0	14
53	Hydrochemistry to delineate groundwater flow conditions in the Mogher Al Mer area (Damascus) <small>Tj ETQq1 1 0.784314 rgBT /Overloc</small>	2.7	13
54	Labile trace metal contribution of the runoff collector to a semi-urban river. <i>Environmental Science and Pollution Research</i> , 2016, 23, 11298-11311.	5.3	13

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55	The Eaux-Bonnes landslide (Western Pyrenees, France): overview of possible triggering factors with emphasis on the role of groundwater. <i>Environmental Geology</i> , 2008, 55, 397-404.	1.2	12
56	Growth variability of two native pine species on Corsica as a function of elevation. <i>Dendrochronologia</i> , 2019, 54, 49-55.	2.2	12
57	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
58	Assessment of Trace Metals during Episodic Events using DGT Passive Sampler: A Proposal for Water Management Enhancement. <i>Water Resources Management</i> , 2013, 27, 4163-4181.	3.9	11
59	Characterisation of the input signal to aquifers in the French Basque Country: Emphasis on parameters influencing the chemical and isotopic composition of recharge waters. <i>Journal of Hydrology</i> , 2013, 496, 57-70.	5.4	11
60	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
61	Reduced Temperature Sensitivity of Maximum Latewood Density Formation in High-Elevation Corsican Pines under Recent Warming. <i>Atmosphere</i> , 2021, 12, 804.	2.3	11
62	Contribution of $P_{CO_2}$ and $\delta^{13}C_{DIC}$ Evaluation to the Identification of $CO_2$ Sources in Volcanic Groundwater Systems: Influence of Hydrometeorological Conditions and Lava Flow Morphologies – Application to the Argnat Basin (Chaîne des Puys, Massif Central). <i>Journal of Hydrology</i> , 2013, 461, 103-115.	1.3	10
63	Groundwater Modeling as an Alternative Approach to Limited Data in the Northeastern Part of Mt. Hermon (Syria), to Develop a Preliminary Water Budget. <i>Water (Switzerland)</i> , 2015, 7, 3978-3996.	2.7	10
64	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
65	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
66	PaPRIKa, the French Multicriteria Method for Mapping the Intrinsic Vulnerability of Karst Water Resource and Source – Two Examples (Pyrenees, Normandy). <i>Environmental Earth Sciences</i> , 2010, , 323-328.	0.2	9
67	The relationship between climate and the intra-annual oxygen isotope patterns from pine trees: a case study along an elevation gradient on Corsica, France. <i>Annals of Forest Science</i> , 2019, 76, 1.	2.0	9
68	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
69	Evaporation in Mediterranean conditions: Estimations based on isotopic approaches at the watershed scale. <i>Hydrological Processes</i> , 2021, 35, e14085.	2.6	8
70	Trends of labile trace metals in tropical urban water under highly contrasted weather conditions. <i>Environmental Science and Pollution Research</i> , 2015, 22, 13842-13857.	5.3	7
71	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
72	Effect of snowmelt on the dynamics, isotopic and chemical composition of runoff in mature and regenerated forested catchments. <i>Journal of Hydrology</i> , 2021, 598, 126437.	5.4	7

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73	A Dendroecological Fire History for Central Corsica/France. <i>Tree-Ring Research</i> , 2020, 76, 40.	0.6	7
74	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
75	Coupling hydrodynamic, geochemical and isotopic approaches to evaluate oxbow connection degree to the main stream and to adjunct alluvial aquifer. <i>Journal of Hydrology</i> , 2019, 577, 123936.	5.4	5
76	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
77	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
78	Geothermal assessment of the deep aquifers of the northwestern part of the Bohemian Cretaceous basin, Czech Republic. <i>Geothermics</i> , 2011, 40, 112-124.	3.4	4
79	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
80	Integrative Approach for Groundwater Pollution Risk Assessment Coupling Hydrogeological, Physicochemical and Socioeconomic Conditions in Southwest of the Damascus Basin. <i>Water (Switzerland)</i> , 2021, 13, 1220.	2.7	4
81	Chloride-salinity as indicator of the chemical composition of groundwater: empirical predictive model based on aquifers in Southern Quebec, Canada. <i>Environmental Science and Pollution Research</i> , 2022, 29, 59414-59432.	5.3	4
82	Différence entre vitesses hydrauliques et vitesses radiométriques des eaux d'un réservoir profond : proposition d'explication pour l'aquifère miocène du bassin de Val d'Aoste (Sud-Est de la France). <i>Comptes Rendus De L'Académie Des Sciences Earth &amp; Planetary Sciences Série II, Sciences De La Terre Et Des Planètes</i> , 2001, 333, 163-170.	0.2	3
83	The Miocene Aquifer of Val d'Aoste, France. , 0, , 287-305.		3
84	Contaminant transfer and hydrodispersive parameters in basaltic lava flows: artificial tracer test and implications for long-term management. <i>Open Geosciences</i> , 2015, 7, .	1.7	3
85	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
86	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
87	Fog - low stratus (FLS) regimes on Corsica with wind and PBLH as key drivers. <i>Atmospheric Research</i> , 2021, 261, 105731.	4.1	1
88	Past millennium hydroclimate variability from Corsican pine tree-ring chronologies. <i>Boreas</i> , 0, , .	2.4	1
89	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
90	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

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91	The input signal to a carbonate aquifer highlights recharge processes and climate evolution under temperate Atlantic conditions. Hydrological Sciences Journal, 2022, 67, 1238-1252.	2.6	0