

Stephane Binet

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3221362/publications.pdf>

Version: 2024-02-01

44
papers

3,299
citations

361413

20
h-index

233421

45
g-index

51
all docs

51
docs citations

51
times ranked

3114
citing authors

#	ARTICLE	IF	CITATIONS
1	Atmospheric transport and deposition of microplastics in a remote mountain catchment. <i>Nature Geoscience</i> , 2019, 12, 339-344.	12.9	1,193
2	Atmospheric microplastics: A review on current status and perspectives. <i>Earth-Science Reviews</i> , 2020, 203, 103118.	9.1	630
3	Examination of the ocean as a source for atmospheric microplastics. <i>PLoS ONE</i> , 2020, 15, e0232746.	2.5	198
4	Microplastics in glaciers of the Tibetan Plateau: Evidence for the long-range transport of microplastics. <i>Science of the Total Environment</i> , 2021, 758, 143634.	8.0	153
5	OZCAR: The French Network of Critical Zone Observatories. <i>Vadose Zone Journal</i> , 2018, 17, 1-24.	2.2	126
6	Microplastics and nanoplastics in the marine-atmosphere environment. <i>Nature Reviews Earth & Environment</i> , 2022, 3, 393-405.	29.7	121
7	Geophysical survey to estimate the 3D sliding surface and the 4D evolution of the water pressure on part of a deep seated landslide. <i>Terra Nova</i> , 2005, 17, 399-406.	2.1	99
8	Gathering at the top? Environmental controls of microplastic uptake and biomagnification in freshwater food webs. <i>Environmental Pollution</i> , 2021, 268, 115750.	7.5	75
9	Water exchange, mixing and transient storage between a saturated karstic conduit and the surrounding aquifer: Groundwater flow modeling and inputs from stable water isotopes. <i>Journal of Hydrology</i> , 2017, 544, 278-289.	5.4	52
10	Coupling between hydrogeology and deformation of mountainous rock slopes: Insights from La Clapière area (southern Alps, France). <i>Comptes Rendus - Geoscience</i> , 2005, 337, 1154-1163.	1.2	47
11	Micro(nano)plastics sources, fate, and effects: What we know after ten years of research. <i>Journal of Hazardous Materials Advances</i> , 2022, 6, 100057.	3.0	47
12	Global karst springs hydrograph dataset for research and management of the world's fastest-flowing groundwater. <i>Scientific Data</i> , 2020, 7, 59.	5.3	45
13	Current status and future perspectives of microplastic pollution in typical cryospheric regions. <i>Earth-Science Reviews</i> , 2022, 226, 103924.	9.1	45
14	SNO KARST: A French Network of Observatories for the Multidisciplinary Study of Critical Zone Processes in Karst Watersheds and Aquifers. <i>Vadose Zone Journal</i> , 2018, 17, 1-18.	2.2	37
15	Characterization of an internal slope movement structure by hydrogeophysical surveying. <i>Terra Nova</i> , 2007, 19, 48-57.	2.1	34
16	Global warming and acid atmospheric deposition impacts on carbonate dissolution and CO2 fluxes in French karst hydrosystems: Evidence from hydrochemical monitoring in recent decades. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 270, 184-200.	3.9	33
17	Développement d'un modèle de Darcy - Brinkman pour simuler l'écoulement d'eau et le transport du traceur dans une aquifère karstique hétérogène (Val de l'Orléans, France). <i>Hydrogeology Journal</i> , 2010, 18, 295-309.	2.1	29
18	Dissemination of acrylamide monomer from polyacrylamide-based flocculant used in sand and gravel quarry case study. <i>Environmental Science and Pollution Research</i> , 2015, 22, 6423-6430.	5.3	27

#	ARTICLE	IF	CITATIONS
19	Experimental analysis of groundwater flow through a landslide slip surface using natural and artificial water chemical tracers. <i>Hydrological Processes</i> , 2007, 21, 3463-3472.	2.6	26
20	Peatland Contribution to Stream Organic Carbon Exports From a Montane Watershed. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 3448-3464.	3.0	22
21	In situ characterization of flows in a fractured unstable slope. <i>Geomorphology</i> , 2007, 86, 193-203.	2.6	21
22	Glacier fluctuations during the Late Glacial and Holocene on the Ariège valley, northern slope of the Pyrenees and reconstructed climatic conditions. <i>Mediterranean Geoscience Reviews</i> , 2020, 2, 37-51.	1.2	20
23	Variability of the groundwater sulfate concentration in fractured rock slopes: a tool to identify active unstable areas. <i>Hydrology and Earth System Sciences</i> , 2009, 13, 2315-2327.	4.9	17
24	Use of continuous measurements of dissolved organic matter fluorescence in groundwater to characterize fast infiltration through an unstable fractured hillslope (Valabres rockfall, French) <i>Journal of Hydrology</i> , 2017, 50, 537-548.	10.7	107
25	Hydrological control of dissolved organic carbon dynamics in a rehabilitated Sphagnum-dominated peatland: a water-table based modelling approach. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 4907-4920.	4.9	17
26	A Forty-Year Karstic Critical Zone Survey (Baget Catchment, Pyrenees-France): Lithologic and Hydroclimatic Controls on Seasonal and Inter-Annual Variations of Stream Water Chemical Composition, pCO ₂ , and Carbonate Equilibrium. <i>Water (Switzerland)</i> , 2020, 12, 1227.	2.7	15
27	Estimation of quantitative descriptors of northeastern Mediterranean karst behavior: multiparametric study and local validation of the Siou-Blanc massif (Toulon, France). <i>Hydrogeology Journal</i> , 2006, 14, 1107-1121.	2.1	14
28	Hydraulic interactions between fractures and bedding planes in a carbonate aquifer studied by means of experimentally induced water-table fluctuations (Coaraze experimental site, southeastern France). <i>Hydrogeology Journal</i> , 2009, 17, 1607-1616.	2.1	14
29	A water-table dependent reservoir model to investigate the effect of drought and vascular plant invasion on peatland hydrology. <i>Journal of Hydrology</i> , 2013, 499, 132-139.	5.4	14
30	Filling in the knowledge gap: Observing MacroPlastic litter in South Africa's rivers. <i>Marine Pollution Bulletin</i> , 2021, 162, 111876.	5.0	14
31	Groundwater Vulnerability and Risk Mapping Based on Residence Time Distributions: Spatial Analysis for the Estimation of Lumped Parameters. <i>Water Resources Management</i> , 2015, 29, 5489-5504.	3.9	12
32	Peatland Dissolved Organic Carbon Export to Surface Waters: Global Significance and Effects of Anthropogenic Disturbance. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	12
33	Drivers of seasonal- and event-scale DOC dynamics at the outlet of mountainous peatlands revealed by high-frequency monitoring. <i>Biogeosciences</i> , 2020, 17, 3705-3722.	3.3	10
34	TRAC, a collaborative computer tool for tracer-test interpretation. <i>EPJ Web of Conferences</i> , 2013, 50, 03002.	0.3	9
35	An early comparison of nano to microplastic mass in a remote catchment's atmospheric deposition. <i>Journal of Hazardous Materials Advances</i> , 2022, 7, 100104.	3.0	8
36	SlcAbacus: An in situ tool for estimating Slc and Pco2 in the context of carbonate karst. <i>Journal of Hydrology</i> , 2019, 568, 891-903.	5.4	4

#	ARTICLE	IF	CITATIONS
37	Water and acrylamide monomer transfer rates from a settling basin to groundwaters. Environmental Science and Pollution Research, 2015, 22, 6431-6439.	5.3	3
38	The short-term influence of cumulative, sequential rainfall-runoff flows on sediment retention and transport in selected SuDS devices. Urban Water Journal, 2019, 16, 421-435.	2.1	3
39	Considering lacustrine erosion records and the De Ploey erosion model in an examination of mountain catchment erosion susceptibility and precipitation reconstruction. Catena, 2020, 187, 104278.	5.0	2
40	The information system of the French Peatland Observation Service: Service National d'Observation Tourbières "A valuable tool to assess the impact of global changes on the hydrology and biogeochemistry of temperate peatlands through long term monitoring. Hydrological Processes, 2021, 35, e14244.	2.6	2
41	Evidence of long term biogeochemical interactions in carbonate weathering: The role of planktonic microorganisms and riverine bivalves in a large fluviokarst system. Science of the Total Environment, 2022, 842, 156823.	8.0	2
42	Localisation of a Reactive Transport Zone in a Saturated Karstic Conduit Deduced from Natural and Artificial Tracer Tests. Environmental Earth Sciences, 2010, , 123-129.	0.2	1
43	Inferred Conduit Network Geometry from Geological Evidences and Water-Head in a Fluvio-Karstic System (Val d'Orléans, France). , 2014, , 49-58.		1
44	Investigating Physical Processes Leading to Sinkhole Occurrence in Val d'Orléans (France). Advances in Karst Science, 2017, , 79-86.	0.3	0