Stephane Binet

List of Publications by Year
in descending order

44	3,299	361413	233421
papers	citations	20 h-index	45 g-index

51	51	51	3114
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Current status and future perspectives of microplastic pollution in typical cryospheric regions. Earth-Science Reviews, 2022, 226, 103924.	9.1	45
2	Peatland Dissolved Organic Carbon Export to Surface Waters: Global Significance and Effects of Anthropogenic Disturbance. Geophysical Research Letters, 2022, 49, .	4.0	12
3	Micro(nano)plastics sources, fate, and effects: What we know after ten years of research. Journal of Hazardous Materials Advances, 2022, 6, 100057.	3.0	47
4	Microplastics and nanoplastics in the marine-atmosphere environment. Nature Reviews Earth & Environment, 2022, 3, 393-405.	29.7	121
5	An early comparison of nano to microplastic mass in a remote catchment's atmospheric deposition. Journal of Hazardous Materials Advances, 2022, 7, 100104.	3.0	8
6	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
7	Filling in the knowledge gap: Observing MacroPlastic litter in South Africa's rivers. Marine Pollution Bulletin, 2021, 162, 111876.	5.0	14
8	Microplastics in glaciers of the Tibetan Plateau: Evidence for the long-range transport of microplastics. Science of the Total Environment, 2021, 758, 143634.	8.0	153
9	Gathering at the top? Environmental controls of microplastic uptake and biomagnification in freshwater food webs. Environmental Pollution, 2021, 268, 115750.	7.5	75
10	The information system of the French Peatland Observation Service: Service National d'Observation TourbiÃ¨res â€“ 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
11	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
12	Global warming and acid atmospheric deposition impacts on carbonate dissolution and CO2 fluxes in French karst hydrosystems: Evidence from hydrochemical monitoring in recent decades. Geochimica Et Cosmochimica Acta, 2020, 270, 184-200.	3.9	33
13	Drivers of seasonal- and event-scale DOC dynamics at the outlet of mountainous peatlands revealed by high-frequency monitoring. Biogeosciences, 2020, 17, 3705-3722.	3.3	10
14	Examination of the ocean as a source for atmospheric microplastics. PLoS ONE, 2020, 15, e0232746.	2.5	198
15	Atmospheric microplastics: A review on current status and perspectives. Earth-Science Reviews, 2020, 203, 103118.	9.1	630
16	Global karst springs hydrograph dataset for research and management of the worldâ€™s fastest-flowing groundwater. Scientific Data, 2020, 7, 59.	5.3	45
17	Glacier fluctuations during the Late Glacial and Holocene on the AriÃ¨ge valley, northern slope of the Pyrenees and reconstructed climatic conditions. Mediterranean Geoscience Reviews, 2020, 2, 37-51.	1.2	20
18	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, pCO2, and Carbonate Equilibrium. Water (Switzerland), 2020, 12, 1227.	2.7	15

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19	Peatland Contribution to Stream Organic Carbon Exports From a Montane Watershed. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 3448-3464.	3.0	22
20	Atmospheric transport and deposition of microplastics in a remote mountain catchment. Nature Geoscience, 2019, 12, 339-344.	12.9	1,193
21	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
22	SIcâ€“Abacus: An inâ€“situ tool for estimating SIc and Pco2 in the context of carbonate karst. Journal of Hydrology, 2019, 568, 891-903.	5.4	4
23	OZCAR: The French Network of Critical Zone Observatories. Vadose Zone Journal, 2018, 17, 1-24.	2.2	126
24	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
25	Hydrological control of dissolved organic carbon dynamics in a rehabilitated <i>Sphagnum</i>-dominated peatland: a water-table based modelling approach. Hydrology and Earth System Sciences, 2018, 22, 4907-4920.	4.9	17
26	Water exchange, mixing and transient storage between a saturated karstic conduit and the surrounding aquifer: Groundwater flow modeling and inputs from stable water isotopes. Journal of Hydrology, 2017, 544, 278-289.	5.4	52
27	Investigating Physical Processes Leading to Sinkhole Occurrence in Val dâ€™OrlÃ©ans (France). Advances in Karst Science, 2017, , 79-86.	0.3	0
28	Dissemination of acrylamide monomer from polyacrylamide-based flocculant useâ€”sand and gravel quarry case study. Environmental Science and Pollution Research, 2015, 22, 6423-6430.	5.3	27
29	Groundwater Vulnerability and Risk Mapping Based on Residence Time Distributions: Spatial Analysis for the Estimation of Lumped Parameters. Water Resources Management, 2015, 29, 5489-5504.	3.9	12
30	Water and acrylamide monomer transfer rates from a settling basin to groundwaters. Environmental Science and Pollution Research, 2015, 22, 6431-6439.	5.3	3
31	Inferred Conduit Network Geometry from Geological Evidences and Water-Head in a Fluvio-Karstic System (Val Dâ€™Orleans, France). , 2014, , 49-58.		1
32	A water-table dependent reservoir model to investigate the effect of drought and vascular plant invasion on peatland hydrology. Journal of Hydrology, 2013, 499, 132-139.	5.4	14
33	TRAC, a collaborative computer tool for tracer-test interpretation. EPJ Web of Conferences, 2013, 50, 03002.	0.3	9
34	DÃ©veloppement d'un modÃ¨le de Darcy - Brinkman pour simuler l'Ã©coulement d'eau et le transport du traceur dans une aquifÃ¨re karstique hÃ©tÃ©rogÃ¨ne (Val dâ€™OrlÃ©ans, France). Hydrogeology Journal, 2010, 18, 295-309.	2.1	29
35	Use of continuous measurements of dissolved organic matter fluorescence in groundwater to characterize fast infiltration through an unstable fractured hillslope (Valabres rockfall, French) Tj ETQq1 1 0.784314 rgBT /Overlock 10		
36	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

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37	Variability of the groundwater sulfate concentration in fractured rock slopes: a tool to identify active unstable areas. Hydrology and Earth System Sciences, 2009, 13, 2315-2327.	4.9	17
38	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). Hydrogeology Journal, 2009, 17, 1607-1616.	2.1	14
39	In situ characterization of flows in a fractured unstable slope. Geomorphology, 2007, 86, 193-203.	2.6	21
40	Experimental analysis of groundwater flow through a landslide slip surface using natural and artificial water chemical tracers. Hydrological Processes, 2007, 21, 3463-3472.	2.6	26
41	Characterization of an internal slope movement structure by hydrogeophysical surveying. Terra Nova, 2007, 19, 48-57.	2.1	34
42	Estimation of quantitative descriptors of northeastern Mediterranean karst behavior: multiparametric study and local validation of the Siou-Blanc massif (Toulon, France). Hydrogeology Journal, 2006, 14, 1107-1121.	2.1	14
43	Geophysical survey to estimate the 3D sliding surface and the 4D evolution of the water pressure on part of a deep seated landslide. Terra Nova, 2005, 17, 399-406.	2.1	99
44	Coupling between hydrogeology and deformation of mountainous rock slopes: Insights from La ClapiÃ¨re area (southern Alps, France). Comptes Rendus - Geoscience, 2005, 337, 1154-1163.	1.2	47