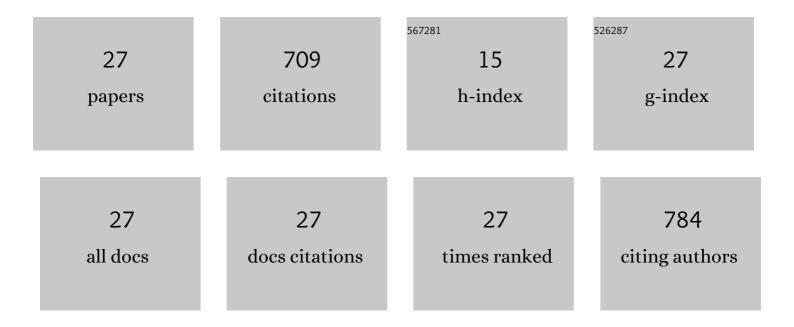
Antoine Aubeneau

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/1616378/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Desiccation of a saline lake as a lock-in phenomenon: A socio-hydrological perspective. Science of the Total Environment, 2022, 811, 152347.	8.0	11
2	Hyporheic Exchange Due to Cobbles on Sandy Beds. Water Resources Research, 2022, 58, .	4.2	3
3	Persistence of amphibian metapopulation occupancy in dynamic wetlandscapes. Landscape Ecology, 2022, 37, 695-711.	4.2	9
4	Dynamic spatio-temporal patterns of metapopulation occupancy in patchy habitats. Royal Society Open Science, 2021, 8, 201309.	2.4	11
5	Hyporheic Exchange in Sand Dunes Under a Freely Deforming River Water Surface. Water Resources Research, 2021, 57, e2020WR028817.	4.2	6
6	Emergent dispersal networks in dynamic wetlandscapes. Scientific Reports, 2020, 10, 14696.	3.3	6
7	Wetlandscape hydrologic dynamics driven by shallow groundwater and landscape topography. Hydrological Processes, 2020, 34, 1460-1474.	2.6	14
8	The Sensitivity of Hyporheic Exchange to Fractal Properties of Riverbeds. Water Resources Research, 2020, 56, e2019WR026560.	4.2	21
9	An improved process-based representation of stream solute transport in the soil and water assessment tools. Hydrological Processes, 2020, 34, 2599-2611.	2.6	7
10	Optimum positioning of wastewater treatment plants in a river network: A model-based approach to minimize microbial pollution. Science of the Total Environment, 2019, 691, 1310-1319.	8.0	10
11	Stochastic dynamics of wetlandscapes: Ecohydrological implications of shifts in hydro-climatic forcing and landscape configuration. Science of the Total Environment, 2019, 694, 133765.	8.0	17
12	Modeling Benthic Versus Hyporheic Nutrient Uptake in Unshaded Streams With Varying Substrates. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 367-383.	3.0	19
13	Turbulence Links Momentum and Solute Exchange in Coarseâ€Grained Streambeds. Water Resources Research, 2018, 54, 3225-3242.	4.2	36
14	Substrate-specific biofilms control nutrient uptake in experimental streams. Freshwater Science, 2018, 37, 456-471.	1.8	14
15	Wetlandscape Fractal Topography. Geophysical Research Letters, 2018, 45, 6983-6991.	4.0	18
16	A Process-Based Model for Bioturbation-Induced Mixing. Scientific Reports, 2017, 7, 14287.	3.3	6
17	Covariation in patterns of turbulenceâ€driven hyporheic flow and denitrification enhances reachâ€scale nitrogen removal. Water Resources Research, 2017, 53, 6927-6944.	4.2	30
18	Noise-Driven Return Statistics: Scaling and Truncation in Stochastic Storage Processes. Scientific Reports, 2017, 7, 302.	3.3	7

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#	Article	IF	CITATIONS
19	Biofilm growth in gravel bed streams controls solute residence time distributions. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 1840-1850.	3.0	44
20	An Integrated Experimental and Modeling Approach to Predict Sediment Mixing from Benthic Burrowing Behavior. Environmental Science & Technology, 2016, 50, 10047-10054.	10.0	22
21	Fractal patterns in riverbed morphology produce fractal scaling of water storage times. Geophysical Research Letters, 2015, 42, 5309-5315.	4.0	28
22	Effects of benthic and hyporheic reactive transport on breakthrough curves. Freshwater Science, 2015, 34, 301-315.	1.8	32
23	Stochastic modeling of fine particulate organic carbon dynamics in rivers. Water Resources Research, 2014, 50, 4341-4356.	4.2	53
24	Substrate size and heterogeneity control anomalous transport in small streams. Geophysical Research Letters, 2014, 41, 8335-8341.	4.0	49
25	Physical controls and predictability of stream hyporheic flow evaluated with a multiscale model. Water Resources Research, 2012, 48, .	4.2	68
26	Effects of solute breakthrough curve tail truncation on residence time estimates: A synthesis of solute tracer injection studies. Journal of Geophysical Research, 2012, 117, .	3.3	69
27	Hydrogeomorphology of the hyporheic zone: Stream solute and fine particle interactions with a dynamic streambed. Journal of Geophysical Research, 2012, 117, .	3.3	99