

Antoine Aubeneau

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

709
citations

567281

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h-index

526287

27
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27
all docs

27
docs citations

27
times ranked

784
citing authors

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

#	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