

Alice Caruso

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6443388/publications.pdf>

Version: 2024-02-01

20
papers

908
citations

623734

14
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

1094
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of the influence of filter medium composition on treatment performances in an open-air green wall fed with greywater. <i>Journal of Environmental Management</i> , 2021, 300, 113646.	7.8	14
2	A review of nature-based solutions for greywater treatment: Applications, hydraulic design, and environmental benefits. <i>Science of the Total Environment</i> , 2020, 711, 134731.	8.0	168
3	A Oneâ€Dimensional Model for Turbulent Mixing in the Benthic Biolayer of Stream and Coastal Sediments. <i>Water Resources Research</i> , 2020, 56, e2019WR026822.	4.2	7
4	Role of the Hyporheic Zone in Increasing the Resilience of Mountain Streams Facing Intermittency. <i>Water (Switzerland)</i> , 2020, 12, 2034.	2.7	9
5	Unifying Advective and Diffusive Descriptions of Bedform Pumping in the Benthic Biolayer of Streams. <i>Water Resources Research</i> , 2020, 56, e2020WR027967.	4.2	9
6	Modeling Influence of Sediment Heterogeneity on Nutrient Cycling in Streambeds. <i>Water Resources Research</i> , 2019, 55, 4082-4095.	4.2	33
7	Modeling chemical gradients in sediments under losing and gaining flow conditions: The GRADIENT code. <i>Advances in Water Resources</i> , 2018, 112, 72-82.	3.8	4
8	Factoring stream turbulence into global assessments of nitrogen pollution. <i>Science</i> , 2018, 359, 1266-1269.	12.6	74
9	Interactions Between Suspended Kaolinite Deposition and Hyporheic Exchange Flux Under Losing and Gaining Flow Conditions. <i>Geophysical Research Letters</i> , 2018, 45, 4077-4085.	4.0	34
10	Biofilmâ€induced bioclogging produces sharp interfaces in hyporheic flow, redox conditions, and microbial community structure. <i>Geophysical Research Letters</i> , 2017, 44, 4917-4925.	4.0	55
11	Ambient groundwater flow diminishes nitrate processing in the hyporheic zone of streams. <i>Water Resources Research</i> , 2017, 53, 3941-3967.	4.2	36
12	Biodegradation of labile dissolved organic carbon under losing and gaining streamflow conditions simulated in a laboratory flume. <i>Limnology and Oceanography</i> , 2016, 61, 1839-1852.	3.1	16
13	River bedform inception by flow unsteadiness: A modal and nonmodal analysis. <i>Physical Review E</i> , 2016, 93, 053110.	2.1	7
14	Impact of watershed topography on hyporheic exchange. <i>Advances in Water Resources</i> , 2016, 94, 400-411.	3.8	37
15	Understanding process dynamics at aquifer-surface water interfaces: An introduction to the special section on new modeling approaches and novel experimental technologies. <i>Water Resources Research</i> , 2014, 50, 1847-1855.	4.2	52
16	First-Order Contaminant Removal in the Hyporheic Zone of Streams: Physical Insights from a Simple Analytical Model. <i>Environmental Science & Technology</i> , 2014, 48, 11369-11378.	10.0	34
17	Impact of losing and gaining streamflow conditions on hyporheic exchange fluxes induced by duneâ€shaped bed forms. <i>Water Resources Research</i> , 2014, 50, 1895-1907.	4.2	113
18	Modeling hyporheic exchange with unsteady stream discharge and bedform dynamics. <i>Water Resources Research</i> , 2013, 49, 4089-4099.	4.2	39

#	ARTICLE	IF	CITATIONS
19	Quantifying the impact of groundwater discharge on the surfaceâ€”subsurface exchange. Hydrological Processes, 2009, 23, 2108-2116.	2.6	60
20	Reduction of the hyporheic zone volume due to the streamâ€”aquifer interaction. Geophysical Research Letters, 2008, 35, .	4.0	107