

Davide Vanzo

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

379
citations

1040056

9
h-index

940533

16
g-index

18
all docs

18
docs citations

18
times ranked

429
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical modelling of two-dimensional morphodynamics with applications to river bars and bifurcations. <i>Advances in Water Resources</i> , 2013, 52, 243-260.	3.8	86
2	Eco-hydraulic modelling of the interactions between hydropeaking and river morphology. <i>Ecohydrology</i> , 2016, 9, 421-437.	2.4	54
3	A simple procedure for the assessment of hydropeaking flow alterations applied to several European streams. <i>Aquatic Sciences</i> , 2015, 77, 639-653.	1.5	51
4	Physical and biological controls on fine sediment transport and storage in rivers. <i>Wiley Interdisciplinary Reviews: Water</i> , 2019, 6, e1331.	6.5	49
5	Characterization of sub-daily thermal regime in alpine rivers: quantification of alterations induced by hydropeaking. <i>Hydrological Processes</i> , 2016, 30, 1052-1070.	2.6	26
6	Pollutant transport by shallow water equations on unstructured meshes: Hyperbolization of the model and numerical solution via a novel flux splitting scheme. <i>Journal of Computational Physics</i> , 2016, 321, 1-20.	3.8	24
7	basement v3: A modular freeware for river process modelling over multiple computational backends. <i>Environmental Modelling and Software</i> , 2021, 143, 105102.	4.5	20
8	Lake Modeling Reveals Management Opportunities for Improving Water Quality Downstream of Transboundary Tropical Dams. <i>Water Resources Research</i> , 2021, 57, e2020WR027465.	4.2	16
9	Mathematical study of linear morphodynamic acceleration and derivation of the MASSPEED approach. <i>Advances in Water Resources</i> , 2018, 117, 40-52.	3.8	15
10	Macroinvertebrate Recovery to Varying Hydropeaking Frequency: A Small Hydropower Plant Experiment. <i>Frontiers in Environmental Science</i> , 2021, 8, .	3.3	10
11	Enhancing an unsupervised clustering algorithm with a spatial contiguity constraint for river habitat analysis. <i>Ecohydrology</i> , 2021, 14, e2285.	2.4	7
12	A splitting scheme for the coupled Saint-Venant-Exner model. <i>Advances in Water Resources</i> , 2022, 159, 104062.	3.8	6
13	A pseudo-reservoir concept in SWAT model for the simulation of an alluvial floodplain in a complex tropical river system. <i>Journal of Hydrology: Regional Studies</i> , 2021, 33, 100770.	2.4	5
14	Introducing HyPeak: An international network on hydropeaking research, practice, and policy. <i>River Research and Applications</i> , 2023, 39, 283-291.	1.7	4
15	A flux-vector splitting scheme for the shallow water equations extended to high-order on unstructured meshes. <i>International Journal for Numerical Methods in Fluids</i> , 2022, 94, 1679-1705.	1.6	3
16	Early careers on ecohydraulics: challenges, opportunities and future directions. <i>Journal of Ecohydraulics</i> , 2016, 1, 102-107.	3.1	2
17	How to strengthen interdisciplinarity in ecohydraulics? Outcomes from ISE 2018. <i>Journal of Ecohydraulics</i> , 2020, , 1-12.	3.1	0