Alonso Vicente Pizarro Valdebenito

List of Publications by Year
in descending order

28 papers	658 citations	567281 15 h-index	610901 24 g-index
42 all docs	42 docs citations	42 times ranked	352 citing authors

#	Article	IF	Citations
1	The Science behind Scour at Bridge Foundations: A Review. Water (Switzerland), 2020, 12, 374.	2.7	77
2	An Evaluation of Image Velocimetry Techniques under Low Flow Conditions and High Seeding Densities Using Unmanned Aerial Systems. Remote Sensing, 2020, 12, 232.	4.0	69
3	A model of bridge pier scour during flood waves. Journal of Hydraulic Research/De Recherches Hydrauliques, 2017, 55, 310-323.	1.7	46
4	Towards harmonisation of image velocimetry techniques for river surface velocity observations. Earth System Science Data, 2020, 12, 1545-1559.	9.9	44
5	Unmanned Aerial Vehicles in Hydrology and Water Management: Applications, Challenges, and Perspectives. Water Resources Research, 2021, 57, e2021WR029925.	4.2	44
6	Exploring the optimal experimental setup for surface flow velocity measurements using PTV. Environmental Monitoring and Assessment, 2018, 190, 460.	2.7	36
7	Dimensionless Effective Flow Work for Estimation of Pier Scour Caused by Flood Waves. Journal of Hydraulic Engineering, 2017, 143, .	1.5	32
8	Local Scour and Sediment Deposition at Bridge Piers during Floods. Journal of Hydraulic Engineering, 2020, 146, .	1.5	32
9	Metrics for the Quantification of Seeding Characteristics to Enhance Image Velocimetry Performance in Rivers. Remote Sensing, 2020, 12, 1789.	4.0	31
10	Identifying the optimal spatial distribution of tracers for optical sensing of stream surface flow. Hydrology and Earth System Sciences, 2020, 24, 5173-5185.	4.9	28
11	Quantification of Modelling Uncertainties in Bridge Scour Risk Assessment under Multiple Flood Events. Geosciences (Switzerland), 2019, 9, 445.	2.2	26
12	BRISENT: An Entropy-Based Model for Bridge-Pier Scour Estimation under Complex Hydraulic Scenarios. Water (Switzerland), 2017, 9, 889.	2.7	21
13	Refining imageâ€velocimetry performances for streamflow monitoring: Seeding metrics to errors minimization. Hydrological Processes, 2020, 34, 5167-5175.	2.6	21
14	Invited perspectives: Challenges and future directions in improving bridge flood resilience. Natural Hazards and Earth System Sciences, 2022, 22, 795-812.	3.6	19
15	Is waist-to-height ratio a better predictor of hypertension and type 2 diabetes than body mass index and waist circumference in the Chilean population?. Nutrition, 2020, 79-80, 110932.	2.4	16
16	Potential advantages of flow-area rating curves compared to classic stage-discharge-relations. Journal of Hydrology, 2020, 585, 124752.	5.4	16
17	Increasing LSPIV performances by exploiting the seeding distribution index at different spatial scales. Journal of Hydrology, 2021, 598, 126438.	5.4	15
18	A comparison of tools and techniques for stabilising unmanned aerial system (UAS) imagery for surface flow observations. Hydrology and Earth System Sciences, 2021, 25, 5105-5132.	4.9	14

#	Article	IF	Citations
19	A Theoretically Derived Probability Distribution of Scour. Water (Switzerland), 2018, 10, 1520.	2.7	12
20	Recent Advancements and Perspectives in UAS-Based Image Velocimetry. Drones, 2021, 5, 81.	4.9	12
21	Soil Moisture Monitoring in Iran by Implementing Satellite Data into the Root-Zone SMAR Model. Hydrology, 2019, 6, 44.	3.0	8
22	Influence of Dam Breach Parameter Statistical Definition on Resulting Rupture Maximum Discharge. Water (Switzerland), 2022, 14, 1776.	2.7	7
23	New Insights Offered by UAS for River Monitoring. , 2019, , 211-234.		6
24	Relative importance of parameters controlling scour at bridge piers using the new toolbox ScourAPP. Computers and Geosciences, 2022, 163, 105117.	4.2	3
25	Optimal cut-off points for waist circumference in the definition of metabolic syndrome in Chile. Public Health Nutrition, 2020, 23, 2898-2903.	2.2	2
26	A model for scour around bridge piers caused by flood waves. , 2016, , .		1
27	Stochastic Analysis of the Marginal and Dependence Structure of Streamflows: From Fine-Scale Records to Multi-Centennial Paleoclimatic Reconstructions. Hydrology, 2022, 9, 126.	3.0	1
28	Discussion of â€œEstimation of Exceedance Probability of Scour on Bridges Using Reliability Principlesâ€• by Manuel Contreras-Jara, TomÃ¡s Echaveguren, Alondra Chamorro, and Jose Vargas-Baecheler. Journal of Hydrologic Engineering - ASCE, 2022, 27, .	1.9	0