

Giovanni De Cesare

List of Publications by Year in descending order

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55
papers

1,318
citations

516710

16
h-index

361022

35
g-index

60
all docs

60
docs citations

60
times ranked

1488
citing authors

#	ARTICLE	IF	CITATIONS
1	Reservoir sedimentation. Journal of Hydraulic Research/De Recherches Hydrauliques, 2016, 54, 595-614.	1.7	289
2	Impact of Turbidity Currents on Reservoir Sedimentation. Journal of Hydraulic Engineering, 2001, 127, 6-16.	1.5	148
3	Soil and water bioengineering: Practice and research needs for reconciling natural hazard control and ecological restoration. Science of the Total Environment, 2019, 648, 1210-1218.	8.0	86
4	Improving the theoretical underpinnings of process-based hydrologic models. Water Resources Research, 2016, 52, 2350-2365.	4.2	80
5	Projecting hydropower production under future climates: a guide for decision-makers and modelers to interpret and design climate change impact assessments. Wiley Interdisciplinary Reviews: Water, 2015, 2, 271-289.	6.5	71
6	Circulation in Stratified Lakes due to Flood-Induced Turbidity Currents. Journal of Environmental Engineering, ASCE, 2006, 132, 1508-1517.	1.4	55
7	Flow field investigation in a rectangular shallow reservoir using UVP, LSPIV and numerical modelling. Flow Measurement and Instrumentation, 2008, 19, 139-144.	2.0	53
8	Spatial interpolation of precipitation from multiple rain gauge networks and weather radar data for operational applications in Alpine catchments. Journal of Hydrology, 2018, 563, 1092-1110.	5.4	51
9	Managing reservoir sedimentation by venting turbidity currents: A review. International Journal of Sediment Research, 2016, 31, 195-204.	3.5	44
10	Effect of inclined jet screen on turbidity current. Journal of Hydraulic Research/De Recherches Hydrauliques, 2010, 48, 81-90.	1.7	33
11	Understanding turbulent free-surface vortex flows using a Taylor-Couette flow analogy. Scientific Reports, 2018, 8, 824.	3.3	29
12	Numerical Modelling of Plunge Pool Scour Evolution In Non-Cohesive Sediments. Engineering Applications of Computational Fluid Mechanics, 2014, 8, 477-487.	3.1	24
13	Snow hydrology signatures for model identification within a limits-of-acceptability approach. Hydrological Processes, 2016, 30, 4019-4035.	2.6	23
14	A Novel Method for River Bank Detection from Landsat Satellite Data: A Case Study in the Vietnamese Mekong Delta. Remote Sensing, 2020, 12, 3298.	4.0	22
15	Sediment Evacuation from Reservoirs through Intakes by Jet-Induced Flow. Journal of Hydraulic Engineering, 2015, 141, .	1.5	20
16	Estimation of streamflow recession parameters: New insights from an analytic streamflow distribution model. Hydrological Processes, 2019, 33, 1595-1609.	2.6	19
17	Analysis of mechanical-hydraulic bedload deposition control measures. Geomorphology, 2017, 295, 467-479.	2.6	15
18	Flow field in a reservoir subject to pumped-storage operation "in situ" measurement and numerical modeling. Journal of Applied Water Engineering and Research, 2018, 6, 109-124.	1.8	15

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19	Improvement of Acoustic Doppler Velocimetry in steady and unsteady turbulent open-channel flows by means of seeding with hydrogen bubbles. <i>Flow Measurement and Instrumentation</i> , 2008, 19, 215-221.	2.0	13
20	Influence of collars on reduction in scour depth at two piers in a tandem configuration. <i>Acta Geophysica</i> , 2020, 68, 229-242.	2.0	13
21	Measurement of the inner structure of turbidity currents by ultrasound velocity profiling. <i>International Journal of Multiphase Flow</i> , 2021, 136, 103540.	3.4	13
22	Velocity profiles and interface instability in a two-phase fluid: investigations using ultrasonic velocity profiler. <i>Experiments in Fluids</i> , 2009, 46, 683-692.	2.4	12
23	Continuous Long-Term Observation of Suspended Sediment Transport between Two Pumped-Storage Reservoirs. <i>Journal of Hydraulic Engineering</i> , 2014, 140, 05014003.	1.5	12
24	Empirical Validation of MesoHABSIM Models Developed with Different Habitat Suitability Criteria for Bullhead Cottus Gobio L. as an Indicator Species. <i>Water (Switzerland)</i> , 2019, 11, 726.	2.7	12
25	Benefits from high-density rain gauge observations for hydrological response analysis in a small alpine catchment. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 2301-2325.	4.9	12
26	Venting of turbidity currents approaching a rectangular opening on a horizontal bed. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2018, 56, 44-58.	1.7	11
27	Quasi-stationary flow structure in turbidity currents. <i>International Journal of Sediment Research</i> , 2020, 35, 659-665.	3.5	11
28	Signal analysis of an actively generated cavitation bubble in pressurized pipes for detection of wall stiffness drops. <i>Journal of Fluids and Structures</i> , 2016, 65, 60-75.	3.4	10
29	Measurement of the deposition of fine sediments in a channel bed. <i>Flow Measurement and Instrumentation</i> , 2016, 50, 49-56.	2.0	10
30	Management of turbidity current venting in reservoirs under different bed slopes. <i>Journal of Environmental Management</i> , 2017, 204, 519-530.	7.8	10
31	Reservoir Level Rise under Extreme Driftwood Blockage at Ogee Crest. <i>Journal of Hydraulic Engineering</i> , 2021, 147, .	1.5	10
32	Sediment Augmentation for River Rehabilitation and Management—A Review. <i>Land</i> , 2021, 10, 1309.	2.9	8
33	Use of gas bubbles for ultrasound Doppler flow velocity profile measurement. <i>Flow Measurement and Instrumentation</i> , 2016, 52, 233-239.	2.0	7
34	Investigation of local scour around tandem piers for different skew-angles. <i>E3S Web of Conferences</i> , 2018, 40, 03008.	0.5	7
35	Influence of Operational Timing on the Efficiency of Venting Turbidity Currents. <i>Journal of Hydraulic Engineering</i> , 2018, 144, .	1.5	7
36	Experiments on the effect of inflow and outflow sequences on suspended sediment exchange rates. <i>International Journal of Sediment Research</i> , 2017, 32, 155-170.	3.5	6

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37	Surge Wave Propagation in a Common Tailrace Channel for Two Large Pumped-Storage Plants. <i>Journal of Hydraulic Engineering</i> , 2014, 140, 218-225.	1.5	5
38	Influence of geometrical parameters of chamfered or rounded orifices on head losses. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2019, 57, 263-271.	1.7	5
39	Analyse de risques pour les circulations ferroviaires d'un d'Åbordement de drainage sur ligne Å grande vitesse (LGV). <i>Houille Blanche</i> , 2015, , 39-45.	0.3	5
40	Closure to "Impact of Turbidity Currents on Reservoir Sedimentation" by Giovanni De Cesare, Anton Schleiss, and Felix Hermann. <i>Journal of Hydraulic Engineering</i> , 2002, 128, 645-645.	1.5	4
41	Åtude sur modele physique et numerique des evacuateurs de crue et des fosses d'erosion du barrage de Koman en Albanie. <i>Houille Blanche</i> , 2011, 97, 48-55.	0.3	4
42	Sediment mass movement of a particle-laden turbidity current based on ultrasound velocity profiling and the distribution of sediment concentration. <i>Geological Society Special Publication</i> , 2019, 477, 427-437.	1.3	3
43	Holistic Design Approach of a Throttled Surge Tank: The Case of Refurbishment of Gondo High-Head Power Plant in Switzerland. <i>Water (Switzerland)</i> , 2020, 12, 3440.	2.7	3
44	Release of suspension particles from a prismatic tank by multiple jet arrangements. <i>Chemical Engineering Science</i> , 2016, 144, 153-164.	3.8	2
45	The performance of collars on scour reduction at tandem piers aligned with different skew angles. <i>Marine Georesources and Geotechnology</i> , 2020, 38, 911-922.	2.1	2
46	Plunging Circular Jets: Experimental Characterization of Dynamic Pressures near the Stagnation Zone. <i>Water (Switzerland)</i> , 2022, 14, 173.	2.7	2
47	Head loss coefficient through sharp-edged orifices. <i>IOP Conference Series: Earth and Environmental Science</i> , 2016, 49, 062009.	0.3	1
48	Numerical Modeling of turbidity currents with Ansys CFX and Telemac 3D. <i>E3S Web of Conferences</i> , 2018, 40, 03014.	0.5	1
49	Closure to "Reservoir Level Rise under Extreme Driftwood Blockage at Ogee Crest" by Loïc BÄnet, Giovanni De Cesare, and Michael Pfister. <i>Journal of Hydraulic Engineering</i> , 2021, 147, 07021013.	1.5	1
50	Vortex Siphon " From 1:1 Scale Physical Model to SPH Simulation and Prototype. <i>Springer Water</i> , 2020, , 795-807.	0.3	1
51	Spatio-temporal deposition profile of an experimentally produced turbidity current with a continuous suspension supply. <i>International Journal of Sediment Research</i> , 2022, 37, 299-306.	3.5	1
52	Partial Driftwood Rack at Gated Ogee Crest: Trapping Rate and Discharge Efficiency. <i>Journal of Hydraulic Engineering</i> , 2022, 148, .	1.5	1
53	Third International Symposium on Ultrasonic Doppler Methods for Fluid Mechanics and Fluid Engineering (3rd ISUD). <i>Applied Rheology</i> , 2002, 12, 309-311.	5.2	0
54	Re-establishment of a uniform discharge on the Olympic fountain in Lausanne. <i>Journal of Applied Water Engineering and Research</i> , 2017, 5, 78-89.	1.8	0

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55	La gestion s�dimentaire en milieu alpin. Houille Blanche, 2008, 94, 122-129.	0.3	0