

Hubert Chanson

List of Publications by Year in descending order

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469
papers

9,996
citations

38660

50
h-index

82410

72
g-index

495
all docs

495
docs citations

495
times ranked

2697
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-Phase Flow Characteristics of Stepped Spillways. Journal of Hydraulic Engineering, 2003, 129, 661-670.	0.7	228
2	Air-water flows down stepped chutes: turbulence and flow structure observations. International Journal of Multiphase Flow, 2002, 28, 1737-1761.	1.6	181
3	Experimental study of the air-water shear flow in a hydraulic jump. International Journal of Multiphase Flow, 2000, 26, 583-607.	1.6	166
4	Current knowledge in hydraulic jumps and related phenomena. A survey of experimental results. European Journal of Mechanics, B/Fluids, 2009, 28, 191-210.	1.2	159
5	Turbulent air-water flows in hydraulic structures: dynamic similarity and scale effects. Environmental Fluid Mechanics, 2009, 9, 125-142.	0.7	146
6	Hydraulics of skimming flows over stepped channels and spillways. Journal of Hydraulic Research/De Recherches Hydrauliques, 1994, 32, 445-460.	0.7	136
7	Tsunami Surges on Dry Coastal Plains: Application of Dam Break Wave Equations. Coastal Engineering Journal, 2006, 48, 355-370.	0.7	121
8	Air-Water Flow Measurements with Intrusive, Phase-Detection Probes: Can We Improve Their Interpretation?. Journal of Hydraulic Engineering, 2002, 128, 252-255.	0.7	115
9	Characteristics of Undular Hydraulic Jumps: Experimental Apparatus and Flow Patterns. Journal of Hydraulic Engineering, 1995, 121, 129-144.	0.7	107
10	Two-phase air-water flows: Scale effects in physical modeling. Journal of Hydrodynamics, 2014, 26, 291-298.	1.3	97
11	Characteristics of Undular Hydraulic Jumps: Experiments and Analysis. Journal of Hydraulic Engineering, 1998, 124, 192-205.	0.7	96
12	Acoustic Doppler velocimetry (ADV) in small estuary: Field experience and signal post-processing. Flow Measurement and Instrumentation, 2008, 19, 307-313.	1.0	93
13	Similitude and scale effects of air entrainment in hydraulic jumps. Journal of Hydraulic Research/De Recherches Hydrauliques, 2008, 46, 35-44.	0.7	93
14	Hydraulics of aerated flows: <i>qui pro quo</i> ?. Journal of Hydraulic Research/De Recherches Hydrauliques, 2013, 51, 223-243.	0.7	91
15	Stepped spillway flows and air entrainment. Canadian Journal of Civil Engineering, 1993, 20, 422-435.	0.7	90
16	Application of the method of characteristics to the dam break wave problem. Journal of Hydraulic Research/De Recherches Hydrauliques, 2009, 47, 41-49.	0.7	90
17	Undular tidal bore dynamics in the Daly Estuary, Northern Australia. Estuarine, Coastal and Shelf Science, 2004, 60, 629-636.	0.9	88
18	Physical modelling and similitude of air bubble entrainment at vertical circular plunging jets. Chemical Engineering Science, 2004, 59, 747-758.	1.9	88

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19	Turbulence measurements in positive surges and bores. Journal of Hydraulic Research/De Recherches Hydrauliques, 2009, 47, 29-40.	0.7	88
20	Free-surface fluctuations in hydraulic jumps: Experimental observations. Experimental Thermal and Fluid Science, 2009, 33, 1055-1064.	1.5	86
21	Comparison of energy dissipation between nappe and skimming flow regimes on stepped chutes. Journal of Hydraulic Research/De Recherches Hydrauliques, 1994, 32, 213-218.	0.7	84
22	Self-Aerated Flows on Chutes and Spillways. Journal of Hydraulic Engineering, 1993, 119, 220-243.	0.7	82
23	Free-surface fluctuations and turbulence in hydraulic jumps. Experimental Thermal and Fluid Science, 2011, 35, 896-909.	1.5	82
24	Bubbly flow structure in hydraulic jump. European Journal of Mechanics, B/Fluids, 2007, 26, 367-384.	1.2	79
25	Air bubble entrainment in open channels: Flow structure and bubble size distributions. International Journal of Multiphase Flow, 1997, 23, 193-203.	1.6	77
26	Flow resistance in skimming flows in stepped spillways and its modelling. Canadian Journal of Civil Engineering, 2002, 29, 809-819.	0.7	77
27	Hydraulics of stepped chutes: The transition flow. Journal of Hydraulic Research/De Recherches Hydrauliques, 2004, 42, 43-54.	0.7	77
28	Study of air entrainment and aeration devices. Journal of Hydraulic Research/De Recherches Hydrauliques, 1989, 27, 301-319.	0.7	75
29	Air Entrainment in the Developing Flow Region of Plunging Jets”Part 2: Experimental. Journal of Fluids Engineering, Transactions of the ASME, 1997, 119, 603-608.	0.8	75
30	Using turbidity and acoustic backscatter intensity as surrogate measures of suspended sediment concentration in a small subtropical estuary. Journal of Environmental Management, 2008, 88, 1406-1416.	3.8	74
31	Experimental Study of Turbulent Fluctuations in Hydraulic Jumps. Journal of Hydraulic Engineering, 2015, 141, .	0.7	74
32	Turbulence, dynamic similarity and scale effects in high-velocity free-surface flows above a stepped chute. Experiments in Fluids, 2009, 47, 1-18.	1.1	71
33	High-frequency turbulence and suspended sediment concentration measurements in the Garonne River tidal bore. Estuarine, Coastal and Shelf Science, 2011, 95, 298-306.	0.9	71
34	Air Entrainment in the Developing Flow Region of Plunging Jets”Part 1: Theoretical Development. Journal of Fluids Engineering, Transactions of the ASME, 1997, 119, 597-602.	0.8	67
35	Convective transport of air bubbles in strong hydraulic jumps. International Journal of Multiphase Flow, 2010, 36, 798-814.	1.6	67
36	Momentum Considerations in Hydraulic Jumps and Bores. Journal of Irrigation and Drainage Engineering - ASCE, 2012, 138, 382-385.	0.6	67

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37	Experimental investigations of air entrainment in transition and skimming flows down a stepped chute. Canadian Journal of Civil Engineering, 2002, 29, 145-156.	0.7	65
38	Bubble Entrainment and Dispersion in Plunging Jet Flows: Freshwatersvs.Seawater. Journal of Coastal Research, 2006, 223, 664-677.	0.1	63
39	Energy dissipation, flow resistance and gas-liquid interfacial area in skimming flows on moderate-slope stepped spillways. Environmental Fluid Mechanics, 2009, 9, 427-441.	0.7	61
40	Energy Dissipation and Air Entrainment in Stepped Storm Waterway: Experimental Study. Journal of Irrigation and Drainage Engineering - ASCE, 2002, 128, 305-315.	0.6	59
41	Turbulence measurements in the bubbly flow region of hydraulic jumps. Experimental Thermal and Fluid Science, 2008, 33, 41-53.	1.5	59
42	Air Water Mass Transfer on a Stepped Waterway. Journal of Environmental Engineering, ASCE, 2005, 131, 1377-1386.	0.7	58
43	Experimental analysis of Froude number effect on air entrainment in the hydraulic jump. Environmental Fluid Mechanics, 2007, 7, 217-238.	0.7	58
44	Phase-detection probe measurements in high-velocity free-surface flows including a discussion of key sampling parameters. Experimental Thermal and Fluid Science, 2015, 61, 66-78.	1.5	58
45	Air entrainment in two-dimensional turbulent shear flows with partially developed inflow conditions. International Journal of Multiphase Flow, 1995, 21, 1107-1121.	1.6	57
46	Experimental assessment of scale effects affecting two-phase flow properties in hydraulic jumps. Experiments in Fluids, 2008, 45, 513-521.	1.1	55
47	Prediction of the transition nappe/skimming flow on a stepped channel. Journal of Hydraulic Research/De Recherches Hydrauliques, 1996, 34, 421-429.	0.7	54
48	Air entrapment and air bubble dispersion at two-dimensional plunging water jets. Chemical Engineering Science, 1998, 53, 4113-4127.	1.9	54
49	An Experimental Study of Individual Air Bubble Entrainment at a Planar Plunging Jet. Chemical Engineering Research and Design, 1999, 77, 159-164.	2.7	54
50	Dam Break Wave of Thixotropic Fluid. Journal of Hydraulic Engineering, 2006, 132, 280-293.	0.7	54
51	Application of local optical flow methods to high-velocity free-surface flows: Validation and application to stepped chutes. Experimental Thermal and Fluid Science, 2018, 90, 186-199.	1.5	54
52	Energy Dissipation down a Stepped Spillway with Nonuniform Step Heights. Journal of Hydraulic Engineering, 2011, 137, 1543-1548.	0.7	53
53	Air Entrainment Processes in a Circular Plunging Jet: Void-Fraction and Acoustic Measurements. Journal of Fluids Engineering, Transactions of the ASME, 2003, 125, 910-921.	0.8	52
54	Turbulent Mixing beneath an Undular Bore Front. Journal of Coastal Research, 2008, 244, 999-1007.	0.1	52

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55	Turbulence and aeration in hydraulic jumps: free-surface fluctuation and integral turbulent scale measurements. <i>Environmental Fluid Mechanics</i> , 2013, 13, 189-204.	0.7	52
56	Scale effects in physical hydraulic engineering models <i>By VALENTIN HELLER, <i>Journal of Hydraulic Research</i> , Vol. 49, No. 3 (2011), pp. 293â€“306</i>. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2012, 50, 244-246.	0.7	50
57	Flow downstream of an aerator - aerator spacing. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 1989, 27, 519-536.	0.7	49
58	Overflow Characteristics of Circular Weirs: Effects of Inflow Conditions. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 1998, 124, 152-162.	0.6	48
59	Unsteady Turbulence in Tidal Bores: Effects of Bed Roughness. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2010, 136, 247-256.	0.5	48
60	Interactions between cavity flow and main stream skimming flows: an experimental study. <i>Canadian Journal of Civil Engineering</i> , 2004, 31, 33-44.	0.7	47
61	Experimental investigation of bubbly flow and turbulence in hydraulic jumps. <i>Environmental Fluid Mechanics</i> , 2009, 9, 143-159.	0.7	47
62	Boundary shear stress measurements in undular flows: Application to standing wave bed forms. <i>Water Resources Research</i> , 2000, 36, 3063-3076.	1.7	46
63	<i>Applied Hydrodynamics</i> . , 0, , .		46
64	Drag reduction in open channel flow by aeration and suspended load. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 1994, 32, 87-101.	0.7	45
65	Sabo check dams â€•mountain protection systems in Japan. <i>International Journal of River Basin Management</i> , 2004, 2, 301-307.	1.5	45
66	Discussion of â€œTurbulence Measurements with Acoustic Doppler Velocimetersâ€•by Carlos M. GarcÃa, Mariano I. Cantero, Yarko NiÃ±o, and Marcelo H. GarcÃa. <i>Journal of Hydraulic Engineering</i> , 2007, 133, 1283-1286.	0.7	45
67	Turbulent time and length scale measurements in high-velocity open channel flows. <i>Experiments in Fluids</i> , 2007, 42, 385-401.	1.1	45
68	Development of the BÃ©langer Equation and Backwater Equation by Jean-Baptiste BÃ©langer (1828). <i>Journal of Hydraulic Engineering</i> , 2009, 135, 159-163.	0.7	45
69	Plunging jet characteristics of plunging breakers. <i>Coastal Engineering</i> , 1997, 31, 125-141.	1.7	44
70	Physical modelling of the flow field in an undular tidal bore. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2005, 43, 234-244.	0.7	44
71	Aeration, Flow Instabilities, and Residual Energy on Pooled Stepped Spillways of Embankment Dams. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2013, 139, 880-887.	0.6	44
72	Undular Tidal Bores: Basic Theory and Free-Surface Characteristics. <i>Journal of Hydraulic Engineering</i> , 2010, 136, 940-944.	0.7	43

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73	Hydraulics, Air Entrainment, and Energy Dissipation on a Gabion Stepped Weir. Journal of Hydraulic Engineering, 2014, 140, .	0.7	43
74	Hydraulics of Rectangular Dropshafts. Journal of Irrigation and Drainage Engineering - ASCE, 2004, 130, 523-529.	0.6	41
75	Turbulence characteristics in skimming flows on stepped spillways. Canadian Journal of Civil Engineering, 2008, 35, 865-880.	0.7	41
76	Unsteady air bubble entrainment and detrainment at a plunging breaker: dominant time scales and similarity of water level variations. Coastal Engineering, 2002, 46, 139-157.	1.7	40
77	Hydraulics of skimming flows on stepped chutes: The effects of inflow conditions?. Journal of Hydraulic Research/De Recherches Hydrauliques, 2006, 44, 51-60.	0.7	40
78	Flow aeration, cavity processes and energy dissipation on flat and pooled stepped spillways for embankments. Environmental Fluid Mechanics, 2013, 13, 503-525.	0.7	40
79	Scale effects affecting two-phase flow properties in hydraulic jump with small inflow Froude number. Experimental Thermal and Fluid Science, 2013, 45, 234-242.	1.5	40
80	Self-similarity and scale effects in physical modelling of hydraulic jump roller dynamics, air entrainment and turbulent scales. Environmental Fluid Mechanics, 2016, 16, 1087-1110.	0.7	40
81	Experimental measurements of velocity and pressure distributions on a large broad-crested weir. Flow Measurement and Instrumentation, 2007, 18, 107-113.	1.0	39
82	Large Eddy Simulation of turbulence generated by a weak breaking tidal bore. Environmental Fluid Mechanics, 2010, 10, 587-602.	0.7	39
83	Aeration and deaeration at bottom aeration devices on spillways. Canadian Journal of Civil Engineering, 1994, 21, 404-409.	0.7	38
84	Tailwater level effects on flow conditions at an abrupt drop. Journal of Hydraulic Research/De Recherches Hydrauliques, 2003, 41, 39-51.	0.7	38
85	Numerical simulation of a weak breaking tidal bore. Mechanics Research Communications, 2010, 37, 119-121.	1.0	38
86	Effect of Froude number on bubble clustering in a hydraulic jump. Journal of Hydraulic Research/De Recherches Hydrauliques, 2010, 48, 504-508.	0.7	38
87	PREDICTING OXYGEN CONTENT DOWNSTREAM OF WEIRS, SPILLWAYS AND WATERWAYS.. Proceedings of the Institution of Civil Engineers: Water, Maritime and Energy, 1995, 112, 20-30.	0.6	37
88	Bubbly flow measurements in hydraulic jumps with small inflow Froude numbers. International Journal of Multiphase Flow, 2011, 37, 555-564.	1.6	37
89	An experimental study of turbulent two-phase flow in hydraulic jumps and application of a triple decomposition technique. Experiments in Fluids, 2014, 55, 1.	1.1	37
90	Air entrainment and turbulent fluctuations in hydraulic jumps. Urban Water Journal, 2015, 12, 502-518.	1.0	37

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91	Scale effects in microscopic air-water flow properties in high-velocity free-surface flows. <i>Experimental Thermal and Fluid Science</i> , 2017, 83, 19-36.	1.5	37
92	Physical modelling and scale effects of air-water flows on stepped spillways. <i>Journal of Zhejiang University Science B</i> , 2005, 6A, 243-250.	0.4	37
93	Free-Surface Profiles, Velocity and Pressure Distributions on a Broad-Crested Weir: A Physical Study. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2012, 138, 1068-1074.	0.6	36
94	Minimum Specific Energy and Critical Flow Conditions in Open Channels. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2006, 132, 498-502.	0.6	35
95	Surface waves and roughness in self-aerated supercritical flow. <i>Environmental Fluid Mechanics</i> , 2007, 7, 259-270.	0.7	35
96	Turbulent velocity measurements in open channel bores. <i>European Journal of Mechanics, B/Fluids</i> , 2012, 32, 52-58.	1.2	35
97	Effects of Step Pool Porosity upon Flow Aeration and Energy Dissipation on Pooled Stepped Spillways. <i>Journal of Hydraulic Engineering</i> , 2014, 140, .	0.7	35
98	Continuous high-frequency turbulence and suspended sediment concentration measurements in an upper estuary. <i>Estuarine, Coastal and Shelf Science</i> , 2007, 73, 341-350.	0.9	34
99	An experimental study of effects of step roughness in skimming flows on stepped chutes. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2008, 46, 24-35.	0.7	34
100	Air-water Flow Patterns of Hydraulic Jumps on Uniform Beds Macroroughness. <i>Journal of Hydraulic Engineering</i> , 2018, 144, .	0.7	34
101	Strong interactions between free-surface aeration and turbulence in an open channel flow. <i>Experimental Thermal and Fluid Science</i> , 2003, 27, 525-535.	1.5	33
102	Advanced post-processing and correlation analyses in high-velocity air-water flows. <i>Environmental Fluid Mechanics</i> , 2007, 7, 495-508.	0.7	33
103	Physical Modeling of Unsteady Turbulence in Breaking Tidal Bores. <i>Journal of Hydraulic Engineering</i> , 2012, 138, 412-419.	0.7	32
104	Characteristics of Skimming Flow over Stepped Spillways. <i>Journal of Hydraulic Engineering</i> , 2000, 126, 860-873.	0.7	31
105	Environmental Impact of Undular Tidal Bores in Tropical Rivers. <i>Environmental Fluid Mechanics</i> , 2005, 5, 481-494.	0.7	31
106	Continuous or catastrophic solid-liquid transition in jammed systems. <i>Physics of Fluids</i> , 2005, 17, 011704.	1.6	31
107	Free-surface aeration and momentum exchange at a bottom outlet. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2007, 45, 100-110.	0.7	31
108	Flow patterns in nappe flow regime down low gradient stepped chutes. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2008, 46, 4-14.	0.7	31

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109	Hydraulics of the Developing Flow Region of Stepped Spillways. I: Physical Modeling and Boundary Layer Development. <i>Journal of Hydraulic Engineering</i> , 2016, 142, .	0.7	31
110	Are breaking waves, bores, surges and jumps the same flow?. <i>Environmental Fluid Mechanics</i> , 2017, 17, 47-77.	0.7	31
111	On the estimation of free-surface turbulence using ultrasonic sensors. <i>Flow Measurement and Instrumentation</i> , 2018, 60, 171-184.	1.0	31
112	Free-surface flows with near-critical flow conditions. <i>Canadian Journal of Civil Engineering</i> , 1996, 23, 1272-1284.	0.7	30
113	Unsteady two-dimensional orifice flow: a large-size experimental investigation. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2002, 40, 63-71.	0.7	30
114	Experimental Study of Gas-Liquid Interfacial Properties in a Stepped Cascade Flow. <i>Environmental Fluid Mechanics</i> , 2002, 2, 241-263.	0.7	30
115	Modelling upstream fish passage in standard box culverts: Interplay between turbulence, fish kinematics, and energetics. <i>River Research and Applications</i> , 2018, 34, 244-252.	0.7	30
116	Hydraulic jumps: turbulence and air bubble entrainment. <i>Houille Blanche</i> , 2011, 97, 5-16.	0.3	29
117	Study of Air Demand on Spillway Aerator. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 1990, 112, 343-350.	0.8	28
118	Experimental Investigations of Free-Surface Aeration in the Developing Flow of Two-Dimensional Water Jets. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 1998, 120, 738-744.	0.8	28
119	Undular and breaking bores on fixed and movable gravel beds. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2012, 50, 353-363.	0.7	28
120	Estimating void fraction in a hydraulic jump by measurements of pixel intensity. <i>Experiments in Fluids</i> , 2012, 52, 1307-1318.	1.1	28
121	Breaking bore: Physical observations of roller characteristics. <i>Mechanics Research Communications</i> , 2015, 65, 24-29.	1.0	28
122	Measuring air-water interface area in supercritical open channel flow. <i>Water Research</i> , 1997, 31, 1414-1420.	5.3	27
123	Unsteady discharge calibration of a large V-notch weir. <i>Flow Measurement and Instrumentation</i> , 2013, 29, 19-24.	1.0	27
124	Sediment processes and flow reversal in the undular tidal bore of the Garonne River (France). <i>Environmental Fluid Mechanics</i> , 2014, 14, 591-616.	0.7	27
125	Self-aeration in the rapidly- and gradually-varying flow regions of steep smooth and stepped spillways. <i>Environmental Fluid Mechanics</i> , 2017, 17, 27-46.	0.7	27
126	Ritter's dry-bed dam-break flows: positive and negative wave dynamics. <i>Environmental Fluid Mechanics</i> , 2017, 17, 665-694.	0.7	27

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127	Turbulence and cavity recirculation in air-water skimming flows. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2008, 46, 65-72.	0.7	26
128	Current knowledge in tidal bores and their environmental, ecological and cultural impacts. <i>Environmental Fluid Mechanics</i> , 2011, 11, 77-98.	0.7	26
129	Suspended sediment properties and suspended sediment flux estimates in an inundated urban environment during a major flood event. <i>Water Resources Research</i> , 2012, 48, .	1.7	26
130	Fluid flow and sediment entrainment in the Garonne River bore and tidal bore collision. <i>Earth Surface Processes and Landforms</i> , 2015, 40, 1574-1586.	1.2	26
131	Interaction between free-surface, two-phase flow and total pressure in hydraulic jump. <i>Experimental Thermal and Fluid Science</i> , 2015, 64, 30-41.	1.5	26
132	Coupling between free-surface fluctuations, velocity fluctuations and turbulent Reynolds stresses during the upstream propagation of positive surges, bores and compression waves. <i>Environmental Fluid Mechanics</i> , 2016, 16, 695-719.	0.7	26
133	Simple Design Criterion for Residual Energy on Embankment Dam Stepped Spillways. <i>Journal of Hydraulic Engineering</i> , 2016, 142, .	0.7	26
134	Interfacial aeration and bubble count rate distributions in a supercritical flow past a backward-facing step. <i>International Journal of Multiphase Flow</i> , 2008, 34, 427-436.	1.6	25
135	Near-critical free-surface flows: real fluid flow analysis. <i>Environmental Fluid Mechanics</i> , 2011, 11, 499-516.	0.7	25
136	Using small triangular baffles to facilitate upstream fish passage in standard box culverts. <i>Environmental Fluid Mechanics</i> , 2019, 19, 157-179.	0.7	25
137	Hydraulics of Stepped Spillways: Current Status. <i>Journal of Hydraulic Engineering</i> , 2000, 126, 636-637.	0.7	24
138	Enhancing Students'™ Motivation in the Undergraduate Teaching of Hydraulic Engineering: Role of Field Works. <i>Journal of Professional Issues in Engineering Education and Practice</i> , 2004, 130, 259-268.	0.9	24
139	Self-aeration and turbulence in a stepped channel: Influence of cavity surface roughness. <i>International Journal of Multiphase Flow</i> , 2006, 32, 1370-1385.	1.6	24
140	Air entrainment processes in a full-scale rectangular dropshaft at large flows. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2007, 45, 43-53.	0.7	24
141	Air-water flow properties in step cavity down a stepped chute. <i>International Journal of Multiphase Flow</i> , 2011, 37, 732-745.	1.6	24
142	High-Resolution GNSS-Tracked Drifter for Studying Surface Dispersion in Shallow Water. <i>Journal of Atmospheric and Oceanic Technology</i> , 2015, 32, 579-590.	0.5	24
143	Towards reliable turbulence estimations with phase-detection probes: an adaptive window cross-correlation technique. <i>Experiments in Fluids</i> , 2019, 60, 1.	1.1	24
144	Turbulence and Suspended Sediment Measurements in an Urban Environment during the Brisbane River Flood of January 2011. <i>Journal of Hydraulic Engineering</i> , 2013, 139, 244-253.	0.7	23

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145	Physical and numerical modelling of air-water flows: An Introductory Overview. <i>Environmental Modelling and Software</i> , 2021, 143, 105109.	1.9	23
146	Air-water gas transfer at hydraulic jump with partially developed inflow. <i>Water Research</i> , 1995, 29, 2247-2254.	5.3	22
147	An experimental study of Roman dropshaft hydraulics. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2002, 40, 3-12.	0.7	22
148	Inception of bed load motion beneath a bore. <i>Geomorphology</i> , 2012, 153-154, 39-47.	1.1	22
149	Turbulent advances of a breaking bore: Preliminary physical experiments. <i>Experimental Thermal and Fluid Science</i> , 2015, 62, 70-77.	1.5	22
150	Air-water flow characteristics in high-velocity free-surface flows with 50% void fraction. <i>International Journal of Multiphase Flow</i> , 2016, 85, 186-195.	1.6	22
151	Aeration of a free jet above a spillway. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 1991, 29, 655-667.	0.7	21
152	Bubbly Two-Phase Flow in Hydraulic Jumps at Large Froude Numbers. <i>Journal of Hydraulic Engineering</i> , 2011, 137, 451-460.	0.7	21
153	Triple decomposition technique in air-water flows: Application to instationary flows on a stepped spillway. <i>International Journal of Multiphase Flow</i> , 2014, 58, 139-153.	1.6	21
154	Ventilated Corner Baffles to Assist Upstream Passage of Small-Bodied Fish in Box Culverts. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2018, 144, 04018020.	0.6	21
155	Turbulent Measurements in a Small Subtropical Estuary with Semidiurnal Tides. <i>Journal of Hydraulic Engineering</i> , 2008, 134, 1665-1670.	0.7	20
156	Air-water flows and free-surface profiles on a non-uniform stepped chute. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2014, 52, 253-263.	0.7	20
157	Analytical solutions of laminar and turbulent dam break wave. , 2006, , .		20
158	Mechanisms of Air Bubble Entrainment. , 1996, , 17-26.		19
159	Supercritical flow at an abrupt drop: flow patterns and aeration. <i>Canadian Journal of Civil Engineering</i> , 1998, 25, 956-966.	0.7	19
160	Embankment overtopping protection systems. <i>Acta Geotechnica</i> , 2015, 10, 305-318.	2.9	19
161	Unsteady velocity profiling in bores and positive surges. <i>Flow Measurement and Instrumentation</i> , 2017, 54, 136-145.	1.0	19
162	Transition flow regime on stepped spillways: air-water flow characteristics and step-cavity fluctuations. <i>Environmental Fluid Mechanics</i> , 2018, 18, 947-965.	0.7	19

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163	A physical study of air-water flow in planar plunging water jet with large inflow distance. <i>International Journal of Multiphase Flow</i> , 2018, 100, 155-171.	1.6	19
164	Effects of Step and Cavity Shapes on Aeration and Energy Dissipation Performances of Stepped Chutes. <i>Journal of Hydraulic Engineering</i> , 2018, 144, 04018060.	0.7	19
165	Optical flow estimations in aerated spillway flows: Filtering and discussion on sampling parameters. <i>Experimental Thermal and Fluid Science</i> , 2019, 103, 318-328.	1.5	19
166	Interparticle arrival time analysis of bubble distributions in a dropshaft and hydraulic jump. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2013, 51, 253-264.	0.7	18
167	Total pressure fluctuations and two-phase flow turbulence in hydraulic jumps. <i>Experiments in Fluids</i> , 2014, 55, 1.	1.1	18
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