Bommanna G Krishnappan

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3807111/publications.pdf

Version: 2024-02-01

42 papers	795 citations	516710 16 h-index	526287 27 g-index
45 all docs	45 docs citations	45 times ranked	575 citing authors

#	Article	IF	Citations
1	Review of a Semi-Empirical Modelling Approach for Cohesive Sediment Transport in River Systems. Water (Switzerland), 2022, 14, 256.	2.7	8
2	Modelling of River Flows, Sediment and Contaminants Transport. Water (Switzerland), 2022, 14, 649.	2.7	0
3	A New Framework for Modelling Fine Sediment Transport in Rivers Includes Flocculation to Inform Reservoir Management in Wildfire Impacted Watersheds. Water (Switzerland), 2021, 13, 2319.	2.7	10
4	Experimental Investigation of Erosion Characteristics of Fine-Grained Cohesive Sediments. Water (Switzerland), 2020, 12, 1511.	2.7	7
5	Modeling of hydrophobic cohesive sediment transport in the Ells River Alberta, Canada. Journal of Soils and Sediments, 2016, 16, 2753-2765.	3.0	13
6	Fine-sediment dynamics: towards an improved understanding of sediment erosion and transport. Journal of Soils and Sediments, 2015, 15, 467-479.	3.0	53
7	Using MOSAND to mitigate the desertification of Minqin Oasis, Gansu Province, China. Canadian Journal of Civil Engineering, 2012, 39, 72-80.	1.3	4
8	Sediment mobility and bed armoring in the St Clair River: insights from hydrodynamic modeling. Earth Surface Processes and Landforms, 2012, 37, 957-970.	2.5	9
9	Flow Structure and Channel Stability at the Site of a Deep Scour Hole, Mackenzie Delta, Canada. Arctic, 2012, 65, .	0.4	3
10	Experimental assessment of Athabasca River cohesive sediment deposition dynamics. Water Quality Research Journal of Canada, 2011, 46, 87-96.	2.7	11
11	3D modelling of ice-covered flows in the vicinity of a deep hole in the East Channel of the Mackenzie Delta, N.W.T.. Canadian Journal of Civil Engineering, 2009, 36, 791-800.	1.3	5
12	Sediment source identification: a review and a case study in some Canadian streamsThis paper is one of a selection of papers in this Special Issue in honour of Professor M. Selim Yalin (1925â€“2007).. Canadian Journal of Civil Engineering, 2009, 36, 1622-1633.	1.3	15
13	Effect of pulp mill effluent on the transport of suspended sediment in the Athabasca River near Hinton, Alberta, CanadaThis paper is one of a selection of papers in this Special Issue in honour of Professor M. Selim Yalin (1925â€“2007).. Canadian Journal of Civil Engineering, 2009, 36, 1598-1604.	1.3	2
14	The effect of bed age and shear stress on the particle morphology of eroded cohesive river sediment in an annular flume. Water Research, 2008, 42, 4179-4187.	11.3	41
15	Modelling of three-dimensional flow velocities in a deep hole in the East Channel of the Mackenzie Delta, Northwest Territories. Canadian Journal of Civil Engineering, 2007, 34, 1312-1323.	1.3	15
16	Recent advances in basic and applied research in cohesive sediment transport in aquatic systems. Canadian Journal of Civil Engineering, 2007, 34, 731-743.	1.3	29
17	Use of an In Situ Erosion Flume for Measuring Stability of Sediment Deposits in Hamilton Harbour, Canada. Water, Air and Soil Pollution, 2006, 6, 557-567.	0.8	4
18	Case Study: Refinement of Hydraulic Operation of a Complex CSO Storage/Treatment Facility by Numerical and Physical Modeling. Journal of Hydraulic Engineering, 2006, 132, 131-139.	1.5	13

#	Article	IF	Citations
19	Erosion behaviour of fine sediment deposits. Canadian Journal of Civil Engineering, 2004, 31, 759-766.	1.3	7
20	Distribution of Bed Shear Stress in Rotating Circular Flume. Journal of Hydraulic Engineering, 2004, 130, 324-331.	1.5	19
21	An Example Of Modeling Flocculation In A Freshwater Aquatic System. , 2004, , 171-188.		0
22	Modelling of flocculation and transport of cohesive sediment from an on-stream stormwater detention pond. Water Research, 2002, 36, 3849-3859.	11.3	58
23	In Situ Size Distribution of Suspended Particles in the Fraser River. Journal of Hydraulic Engineering, 2000, 126, 561-569.	1.5	22
24	Erosional and Mechanical Strengths of Deposited Cohesive Sediments. Journal of Hydraulic Engineering, 1998, 124, 1076-1085.	1.5	61
25	Reply to Comment. Environmental Science & Technology, 1995, 29, 2168-2168.	10.0	0
26	Investigation of a Sequential Filtration Technique for Particle Fractionation. Environmental Science & Technology, 1995, 29, 546-550.	10.0	15
27	Rotating Circular Flume. Journal of Hydraulic Engineering, 1993, 119, 758-767.	1.5	62
28	Fully Coupled Unsteady Mobile Boundary Flow Model. Journal of Hydraulic Engineering, 1992, 118, 476-494.	1.5	54
29	Discussion of â€œ Flow Resistance in Large Test Channel â€•by Joe C. Willis (December, 1983). Journal of Hydraulic Engineering, 1987, 113, 107-109.	1.5	1
30	Closure to â€œModeling of Unsteady Flows in Alluvial Streamsâ€•by Bommanna G. Krishnappan (February,) Tj ETQq0 0 0 rgBT /Overlock	1.5	0
31	Discussion of â€œ Bed Shear from Velocity Profiles; A New Approach â€•by Subrahmanyam Vedula and Ramakrishna Rao Achanta (January, 1985, Vol. 111, No. 1). Journal of Hydraulic Engineering, 1987, 113, 677-680.	1.5	0
32	Turbulence Modeling of Flood Plain Flows. Journal of Hydraulic Engineering, 1986, 112, 251-266.	1.5	67
33	Modeling of Unsteady Flows in Alluvial Streams. Journal of Hydraulic Engineering, 1985, 111, 257-266.	1.5	17
34	Sediment Transport Under Ice Cover. Journal of Hydraulic Engineering, 1985, 111, 934-950.	1.5	50
35	Laboratory tests on surges created by ice jam releases. Canadian Journal of Civil Engineering, 1985, 12, 930-933.	1.3	14
36	Seepage flow through simulated grounded ice jam. Canadian Journal of Civil Engineering, 1985, 12, 926-929.	1.3	5

#	Article	IF	Citations
37	Laboratory Verification of Turbulent Flow Model. Journal of Hydraulic Engineering, 1984, 110, 500-514.	1.5	16
38	Suspended Sediment Distribution in Wave Field. Journal of Waterway, Port, Coastal and Ocean Engineering, 1984, 110, 215-230.	1.2	21
39	Suspended Sediment Profile for Iceâ€covered Flows. Journal of Hydraulic Engineering, 1983, 109, 385-399.	1.5	5
40	Surges from ice jam releases: a case study. Canadian Journal of Civil Engineering, 1982, 9, 276-284.	1.3	26
41	Ice Cover Effects on Stream Flows and Mixing. Journal of Hydraulic Engineering, 1981, 107, 1225-1242.	0.2	24
42	The effect of coarse gravel on cohesive sediment entrapment in an annular flume. Proceedings of the International Association of Hydrological Sciences, 0, 367, 157-162.	1.0	6