

Soumendra Nath Kuiry

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

314
citations

1039406

9
h-index

887659

17
g-index

30
all docs

30
docs citations

30
times ranked

355
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of urban sprawl on future flooding in Chennai city, India. Journal of Hydrology, 2019, 574, 486-496.	2.3	72
2	Coupled 1D-Quasi-2D Flood Inundation Model with Unstructured Grids. Journal of Hydraulic Engineering, 2010, 136, 493-506.	0.7	51
3	Impact assessment of sea-level rise and hazardous storms on coasts and estuaries using integrated processes model. Ocean Engineering, 2013, 71, 74-95.	1.9	38
4	Finite Volume Model for Shallow Water Equations with Improved Treatment of Source Terms. Journal of Hydraulic Engineering, 2008, 134, 231-242.	0.7	30
5	Assessing the accuracy of high-resolution topographic data generated using freely available packages based on SfM-MVS approach. Measurement: Journal of the International Measurement Confederation, 2018, 124, 338-350.	2.5	17
6	Numerical simulations of morphological changes in barrier islands induced by storm surges and waves using a supercritical flow model. Frontiers of Structural and Civil Engineering, 2014, 8, 57-68.	1.2	16
7	Modelling coastal barrier breaching flows with well-balanced shock-capturing technique. Computers and Fluids, 2010, 39, 2051-2068.	1.3	14
8	Investigation of Role of Retention Storage in Tanks (Small Water Bodies) on Future Urban Flooding: A Case Study of Chennai City, India. Water (Switzerland), 2020, 12, 2875.	1.2	11
9	Explicit Expression of Weighting Factor for Improved Estimation of Numerical Flux in Local Inertial Models. Water Resources Research, 2020, 56, e2020WR027357.	1.7	10
10	Local-inertial shallow water model on unstructured triangular grids. Advances in Water Resources, 2021, 152, 103930.	1.7	9
11	A high-resolution shallow water model using unstructured quadrilateral grids. Computers and Fluids, 2012, 68, 16-28.	1.3	6
12	Simulation of Storm Surge in the Mississippi Gulf Coast Using an Integrated Coastal Processes Model. , 2012, , .		5
13	A one-dimensional shock-capturing model for long wave run-up on sloping beaches. ISH Journal of Hydraulic Engineering, 2012, 18, 65-79.	1.1	5
14	A hybrid finite-volume/finite-difference-based one-dimensional Boussinesq model for waves attenuated by vegetation. Journal of Ocean Engineering and Marine Energy, 2016, 2, 19-34.	0.9	5
15	APPLICATION OF THE 1D-QUASI 2D MODEL TINFLOOD FOR FLOODPLAIN INUNDATION PREDICTION OF THE RIVER THAMES. ISH Journal of Hydraulic Engineering, 2011, 17, 98-110.	1.1	4
16	Experimental and numerical study of flood in a river-network-floodplain set-up. Journal of Hydraulic Research/De Recherches Hydrauliques, 2020, 58, 938-956.	0.7	4
17	Experimental and numerical study of flood dynamics in a river-network-floodplain set-up. Journal of Hydroinformatics, 2020, 22, 793-814.	1.1	4
18	Applications of the single-port linear Thevenin theorem for focused and efficient analysis of a sub-network connected with a large existing pipe network. Urban Water Journal, 2021, 18, 681-698.	1.0	4

#	ARTICLE	IF	CITATIONS
19	Closure to "Finite Volume Model for Shallow Water Equations with Improved Treatment of Source Terms" by Soumendra Nath Kuiry, Kiran Pramanik, and Dhrubajyoti Sen. <i>Journal of Hydraulic Engineering</i> , 2009, 135, 1017-1017.	0.7	2
20	A Hybrid Finite-Volume/Finite-Difference Scheme for One-Dimensional Boussinesq Equations to Simulate Wave Attenuation Due to Vegetation. , 2011, , .		2
21	Improved accuracy of storm surge simulations by incorporating changing along-track parameters. <i>International Journal of Climatology</i> , 2022, 42, 6908-6926.	1.5	2
22	A Two-Dimensional Finite Volume Model for Tide and Storm Surge Predictions. , 2012, , .		1
23	Application of Thevenin Theorem for Model Reduction and Analysis of Large Water Distribution Networks. , 2020, , .		1
24	Demonstration of structure-from-motion (SfM) and multi-view stereo (MVS) close range photogrammetry technique for scour hole analysis. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2021, 46, 1.	0.8	1
25	A Process-Based Unsteady Model for Wave-Current-Morphodynamic Changes in Two-Dimensions. , 2009, , .		0
26	Optimal Flood Control in Alluvial Channel Using Adjoint Sensitivity Analysis. , 2010, , .		0
27	Optimal Control of Flood Waters with Sediment Transport in Watershed. , 2012, , .		0
28	Investigation of Morphological Analysis of the Adyar River in India for Regaining Its Health. , 2022, , .		0
29	Applications of Electrical Simulators for Analyzing Hydraulic Pipe Networks. , 2022, , .		0