

# Prabin Rokaya

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

394  
citations

840776  
11  
h-index

794594  
19  
g-index

20  
all docs

20  
docs citations

20  
times ranked

327  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ice-jam flood risk assessment and mapping. Hydrological Processes, 2016, 30, 3754-3769.	2.6	55
2	Trends in the Timing and Magnitude of Ice-Jam Floods in Canada. Scientific Reports, 2018, 8, 5834.	3.3	55
3	A novel stochastic modelling approach for operational real-time ice-jam flood forecasting. Journal of Hydrology, 2019, 575, 381-394.	5.4	33
4	Changes in streamflow and water temperature affect fish habitat in the Athabasca River basin in the context of climate change. Ecological Modelling, 2019, 407, 108718.	2.5	32
5	A hydrological and water temperature modelling framework to simulate the timing of river freeze-up and ice-cover breakup in large-scale catchments. Environmental Modelling and Software, 2019, 114, 49-63.	4.5	25
6	Promoting Sustainable Ice-Jam Flood Management along the Peace River and Peace-Athabasca Delta. Journal of Water Resources Planning and Management - ASCE, 2019, 145, .	2.6	24
7	Climatic effects on ice phenology and ice-jam flooding of the Athabasca River in western Canada. Hydrological Sciences Journal, 2019, 64, 1265-1278.	2.6	23
8	Ice-jam flood research: a scoping review. Natural Hazards, 2018, 94, 1439-1457.	3.4	22
9	Ice-Jam Flood Risk Assessment and Hazard Mapping under Future Climate. Journal of Water Resources Planning and Management - ASCE, 2020, 146, .	2.6	21
10	Modelling the effects of climate and flow regulation on ice-affected backwater staging in a large northern river. River Research and Applications, 2019, 35, 587-600.	1.7	19
11	A multi-objective calibration approach using in-situ soil moisture data for improved hydrological simulation of the Prairies. Hydrological Sciences Journal, 2020, 65, 638-649.	2.6	14
12	Advances in modelling large river basins in cold regions with Modélisation Environnementale Communautaire – Surface and Hydrology (MESH), the Canadian hydrological land surface scheme. Hydrological Processes, 2022, 36, .	2.6	14
13	Impacts of future climate on the hydrology of a northern headwaters basin and its implications for a downstream deltaic ecosystem. Hydrological Processes, 2020, 34, 1630-1646.	2.6	13
14	A physically-based modelling framework for operational forecasting of river ice breakup. Advances in Water Resources, 2020, 139, 103554.	3.8	11
15	Multiple factors that shaped sustainability science journal: a 10-year review. Sustainability Science, 2017, 12, 855-868.	4.9	9
16	Impacts of future climate on the hydrology of a transboundary river basin in northeastern North America. Journal of Hydrology, 2022, 605, 127317.	5.4	7
17	Improved modelling of a Prairie catchment using a progressive two-stage calibration strategy with in situ soil moisture and streamflow data. Hydrology Research, 2020, 51, 505-520.	2.7	6
18	Correlation among parameters and boundary conditions in river ice models. Modeling Earth Systems and Environment, 2020, 6, 499-512.	3.4	5

#	ARTICLE	IF	CITATIONS
19	Modelling of ice jam floods under past and future climates: A review. Journal of Hydrology X, 2022, 15, 100120.	1.6	5
20	The impact of a bias-correction approach (delta change) applied directly to hydrological model output when modelling the severity of ice jam flooding under future climate scenarios. Climatic Change, 2022, 172, .	3.6	1