

# Prabin Rokaya

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8138316/publications.pdf>

Version: 2024-02-01

20  
papers

394  
citations

840585

11  
h-index

794469

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. <i>Hydrological Processes</i> , 2016, 30, 3754-3769.	1.1	55
2	Trends in the Timing and Magnitude of Ice-Jam Floods in Canada. <i>Scientific Reports</i> , 2018, 8, 5834.	1.6	55
3	A novel stochastic modelling approach for operational real-time ice-jam flood forecasting. <i>Journal of Hydrology</i> , 2019, 575, 381-394.	2.3	33
4	Changes in streamflow and water temperature affect fish habitat in the Athabasca River basin in the context of climate change. <i>Ecological Modelling</i> , 2019, 407, 108718.	1.2	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. <i>Environmental Modelling and Software</i> , 2019, 114, 49-63.	1.9	25
6	Promoting Sustainable Ice-Jam Flood Management along the Peace River and Peace-Athabasca Delta. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2019, 145, .	1.3	24
7	Climatic effects on ice phenology and ice-jam flooding of the Athabasca River in western Canada. <i>Hydrological Sciences Journal</i> , 2019, 64, 1265-1278.	1.2	23
8	Ice-jam flood research: a scoping review. <i>Natural Hazards</i> , 2018, 94, 1439-1457.	1.6	22
9	Ice-Jam Flood Risk Assessment and Hazard Mapping under Future Climate. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2020, 146, .	1.3	21
10	Modelling the effects of climate and flow regulation on ice-affected backwater staging in a large northern river. <i>River Research and Applications</i> , 2019, 35, 587-600.	0.7	19
11	A multi-objective calibration approach using in-situ soil moisture data for improved hydrological simulation of the Prairies. <i>Hydrological Sciences Journal</i> , 2020, 65, 638-649.	1.2	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. <i>Hydrological Processes</i> , 2022, 36, .	1.1	14
13	Impacts of future climate on the hydrology of a northern headwaters basin and its implications for a downstream deltaic ecosystem. <i>Hydrological Processes</i> , 2020, 34, 1630-1646.	1.1	13
14	A physically-based modelling framework for operational forecasting of river ice breakup. <i>Advances in Water Resources</i> , 2020, 139, 103554.	1.7	11
15	Multiple factors that shaped sustainability science journal: a 10-year review. <i>Sustainability Science</i> , 2017, 12, 855-868.	2.5	9
16	Impacts of future climate on the hydrology of a transboundary river basin in northeastern North America. <i>Journal of Hydrology</i> , 2022, 605, 127317.	2.3	7
17	Improved modelling of a Prairie catchment using a progressive two-stage calibration strategy with in situ soil moisture and streamflow data. <i>Hydrology Research</i> , 2020, 51, 505-520.	1.1	6
18	Correlation among parameters and boundary conditions in river ice models. <i>Modeling Earth Systems and Environment</i> , 2020, 6, 499-512.	1.9	5

#	ARTICLE	IF	CITATIONS
19	Modelling of ice jam floods under past and future climates: A review. Journal of Hydrology X, 2022, 15, 100120.	0.8	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, .	1.7	1