

Perrine Hamel

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

54
papers

2,240
citations

22
h-index

47
g-index

62
ext. papers

2,877
ext. citations

7.2
avg, IF

5.45
L-index

#	Paper	IF	Citations
54	Understanding, management and modelling of urban hydrology and its consequences for receiving waters: A state of the art. <i>Advances in Water Resources</i> , 2013 , 51, 261-279	4.7	505
53	Social-ecological and technological factors moderate the value of urban nature. <i>Nature Sustainability</i> , 2019 , 2, 29-38	22.1	163
52	Source-control stormwater management for mitigating the impacts of urbanisation on baseflow: A review. <i>Journal of Hydrology</i> , 2013 , 485, 201-211	6	153
51	Global modeling of nature's contributions to people. <i>Science</i> , 2019 , 366, 255-258	33.3	137
50	A new approach to modeling the sediment retention service (InVEST 3.0): Case study of the Cape Fear catchment, North Carolina, USA. <i>Science of the Total Environment</i> , 2015 , 524-525, 166-77	10.2	129
49	Incorporating climate change into ecosystem service assessments and decisions: a review. <i>Global Change Biology</i> , 2017 , 23, 28-41	11.4	108
48	Ecosystem services: Challenges and opportunities for hydrologic modeling to support decision making. <i>Water Resources Research</i> , 2014 , 50, 4535-4544	5.4	98
47	Will it rise or will it fall? Managing the complex effects of urbanization on base flow. <i>Freshwater Science</i> , 2016 , 35, 293-310	2	92
46	Uncertainty assessment in ecosystem services analyses: Seven challenges and practical responses. <i>Ecosystem Services</i> , 2017 , 24, 1-15	6.1	91
45	National scale evaluation of the InVEST nutrient retention model in the United Kingdom. <i>Science of the Total Environment</i> , 2018 , 610-611, 666-677	10.2	79
44	Uncertainty analysis of a spatially explicit annual water-balance model: case study of the Cape Fear basin, North Carolina. <i>Hydrology and Earth System Sciences</i> , 2015 , 19, 839-853	5.5	71
43	Optimizing land use decision-making to sustain Brazilian agricultural profits, biodiversity and ecosystem services. <i>Biological Conservation</i> , 2016 , 204, 221-230	6.2	70
42	Sediment delivery modeling in practice: Comparing the effects of watershed characteristics and data resolution across hydroclimatic regions. <i>Science of the Total Environment</i> , 2017 , 580, 1381-1388	10.2	48
41	Life cycle assessment needs predictive spatial modelling for biodiversity and ecosystem services. <i>Nature Communications</i> , 2017 , 8, 15065	17.4	44
40	An ecosystem service perspective on urban nature, physical activity, and health. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	34
39	Landscape configuration is the primary driver of impacts on water quality associated with agricultural expansion. <i>Environmental Research Letters</i> , 2016 , 11, 074012	6.2	33
38	Sensitivity analysis of a sediment dynamics model applied in a Mediterranean river basin: global change and management implications. <i>Science of the Total Environment</i> , 2015 , 502, 602-10	10.2	29

37	Modelling the impact of stormwater source control infiltration techniques on catchment baseflow. <i>Hydrological Processes</i> , 2014 , 28, 5817-5831	3.3	28
36	Supply and demand assessment of urban recreation service and its implication for greenspace planning-A case study on Guangzhou. <i>Landscape and Urban Planning</i> , 2020 , 203, 103898	7.7	26
35	Transparent and feasible uncertainty assessment adds value to applied ecosystem services modeling. <i>Ecosystem Services</i> , 2018 , 33, 103-109	6.1	26
34	Assessing ecosystem service provision under climate change to support conservation and development planning in Myanmar. <i>PLoS ONE</i> , 2017 , 12, e0184951	3.7	23
33	The impact of stormwater source-control strategies on the (low) flow regime of urban catchments. <i>Water Science and Technology</i> , 2014 , 69, 739-45	2.2	23
32	Watershed services in the humid tropics: Opportunities from recent advances in ecohydrology. <i>Ecohydrology</i> , 2018 , 11, e1921	2.5	19
31	Which baseflow metrics should be used in assessing flow regimes of urban streams?. <i>Hydrological Processes</i> , 2015 , 29, 4367-4378	3.3	17
30	The Value of US Urban Tree Cover for Reducing Heat-Related Health Impacts and Electricity Consumption. <i>Ecosystems</i> , 2020 , 23, 137-150	3.9	17
29	Who Are we Measuring and Modeling for? Supporting Multilevel Decision-Making in Watershed Management. <i>Water Resources Research</i> , 2020 , 56, e2019WR026011	5.4	15
28	Managing forest ecosystem services for hydropower production. <i>Environmental Science and Policy</i> , 2016 , 61, 221-229	6.2	14
27	Predicting dry-season flows with a monthly rainfall-runoff model: Performance for gauged and ungauged catchments. <i>Hydrological Processes</i> , 2017 , 31, 3844-3858	3.3	12
26	Blue-Green Infrastructure for Flood and Water Quality Management in Southeast Asia: Evidence and Knowledge Gaps. <i>Environmental Management</i> , 2021 , 1	3.1	12
25	Mapping the benefits of nature in cities with the InVEST software. <i>Npj Urban Sustainability</i> , 2021 , 1,		12
24	Promoting human rights through science. <i>Science</i> , 2017 , 358, 34-37	33.3	11
23	Uncertainty analysis of a spatially-explicit annual water-balance model: case study of the Cape Fear catchment, NC		11
22	The value of hydrologic information for watershed management programs: The case of Camboriú Brazil. <i>Science of the Total Environment</i> , 2020 , 705, 135871	10.2	11
21	Potential effects of landscape change on water supplies in the presence of reservoir storage. <i>Water Resources Research</i> , 2017 , 53, 2679-2692	5.4	10
20	A Review of Urban Ecosystem Services Research in Southeast Asia. <i>Land</i> , 2021 , 10, 40	3.5	8

19	Modeling seasonal water yield for landscape management: Applications in Peru and Myanmar. <i>Journal of Environmental Management</i> , 2020 , 270, 110792	7.9	6
18	Identification of ditches and furrows using remote sensing: application to sediment modelling in the Tana watershed, Kenya. <i>International Journal of Remote Sensing</i> , 2017 , 38, 4611-4630	3.1	4
17	Automated Chamber System to Measure Field Evapotranspiration Rates. <i>Journal of Hydrologic Engineering - ASCE</i> , 2015 , 20, 04014037	1.8	4
16	Becoming Interdisciplinary. <i>Proceedings of the ACM on Human-Computer Interaction</i> , 2021 , 5, 1-27	3.4	4
15	Curve Number Approach to Estimate Monthly and Annual Direct Runoff. <i>Journal of Hydrologic Engineering - ASCE</i> , 2018 , 23, 04017060	1.8	4
14	Nature futures for the urban century: Integrating multiple values into urban management. <i>Environmental Science and Policy</i> , 2022 , 131, 46-56	6.2	3
13	The Disaster and Climate Change Artathon 2020 ,		3
12	A spatially explicit approach to simulate urban heat mitigation with InVEST (v3.8.0). <i>Geoscientific Model Development</i> , 2021 , 14, 3521-3537	6.3	3
11	Producing valuable information from hydrologic models of nature-based solutions for water. <i>Integrated Environmental Assessment and Management</i> , 2021 ,	2.5	3
10	Nature-based solutions for flood risk reduction: A probabilistic modeling framework. <i>One Earth</i> , 2021 , 4, 1310-1321	8.1	3
9	Global variation in contributions to human well-being from urban vegetation ecosystem services. <i>One Earth</i> , 2022 , 5, 522-533	8.1	3
8	A spatially-explicit approach to simulate urban heat islands in complex urban landscapes		2
7	Blending Ecosystem Service and Resilience Perspectives in Planning of Natural Infrastructure: Lessons from the San Francisco Bay Area. <i>Frontiers in Environmental Science</i> , 2021 , 9,	4.8	2
6	Towards Regional Scale Stormwater Flood Management Strategies through Rapid Preliminary Intervention Screening. <i>Water (Switzerland)</i> , 2021 , 13, 2027	3	2
5	Are soil sealing indicators sufficient to guide urban planning? Insights from an ecosystem services assessment in the Paris metropolitan area. <i>Environmental Research Letters</i> , 2021 , 16, 104019	6.2	2
4	Look beyond peer-reviewed literature and traditional validation when assessing ecosystem services modeling efforts: A response to Ochoa and Urbina-Cardona's review. <i>Ecosystem Services</i> , 2018 , 30, 1-2	6.1	1
3	A geospatial model of nature-based recreation for urban planning: Case study of Paris, France. <i>Land Use Policy</i> , 2022 , 117, 106107	5.6	1
2	Evaluating urban greening scenarios for urban heat mitigation: a spatially explicit approach.. <i>Royal Society Open Science</i> , 2021 , 8, 202174	3.3	1

- 1 Integrating environmental and social impacts with ecosystem services analysis **2017**, 159-176