Lien Poelmans

List of Publications by Year
in descending order

14	905	840776 11	1058476 14
papers	citations	h-index	g-index

14	14	14	1253
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Detecting and modelling spatial patterns of urban sprawl in highly fragmented areas: A case study in the Flandersâ€“Brussels region. Landscape and Urban Planning, 2009, 93, 10-19.	7.5	206
2	Complexity and performance of urban expansion models. Computers, Environment and Urban Systems, 2010, 34, 17-27.	7.1	169
3	Heat stress increase under climate change twice as large in cities as in rural areas: A study for a densely populated midlatitude maritime region. Geophysical Research Letters, 2017, 44, 8997-9007.	4.0	125
4	A System-based Paradigm of Drought Analysis for Operational Management. Water Resources Management, 2013, 27, 5281-5297.	3.9	112
5	Coupling urban expansion models and hydrological models: How important are spatial patterns?. Land Use Policy, 2010, 27, 965-975.	5.6	52
6	The relative impact of climate change and urban expansion on peak flows: a case study in central Belgium. Hydrological Processes, 2011, 25, 2846-2858.	2.6	51
7	The impact of urbanization on agricultural dynamics: a case study in Belgium. Journal of Land Use Science, 2020, 15, 626-643.	2.2	49
8	Land Consumption and Land Take: Enhancing Conceptual Clarity for Evaluating Spatial Governance in the EU Context. Sustainability, 2020, 12, 8269.	3.2	46
9	Predicting land cover changes and their impact on the sediment influx in the Lake Balaton catchment. Landscape Ecology, 2008, 23, 645-656.	4.2	23
10	Projecting alternative urban growth patterns: The development and application of a remote sensing assisted calibration framework for the Greater Dublin Area. Ecological Indicators, 2016, 60, 1056-1069.	6.3	23
11	Modelling urban sprawl and assessing its costs in the planning process: A case study in Flanders, Belgium. Land Use Policy, 2022, 113, 105902.	5.6	20
12	Quantification of the potential impact of nature conservation on ecosystem services supply in the Flemish Region: A cascade modelling approach. Ecosystem Services, 2017, 24, 124-137.	5.4	11
13	A travel time-based variable grid approach for an activity-based cellular automata model. International Journal of Geographical Information Science, 2015, 29, 1757-1781.	4.8	10
14	Downdating high-resolution population density maps using sealed surface cover time series. Landscape and Urban Planning, 2017, 160, 96-106.	7.5	8