

# Frank Canters

## List of Publications by Year in descending order

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38  
papers

741  
citations

706676

14  
h-index

759306

22  
g-index

40  
all docs

40  
docs citations

40  
times ranked

975  
citing authors

#	ARTICLE	IF	CITATIONS
1	M-CORE: A Novel Approach for Land Cover Fraction Mapping Using Multisite Spectral Libraries. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	2.7	1
2	Mapping of Urban Vegetation with High-Resolution Remote Sensing: A Review. Remote Sensing, 2022, 14, 1031.	1.8	36
3	Use-Related and Socio-Demographic Variations in Urban Green Space Preferences. Sustainability, 2021, 13, 3461.	1.6	14
4	Exploring Options for Public Green Space Development: Research by Design and GIS-Based Scenario Modelling. Sustainability, 2021, 13, 8213.	1.6	6
5	Iterative Spectral Distancing: A Novel Approach for Extracting Endmembers in Complex Urban Image Scenes. , 2021, , .		1
6	Microsimulation of Residential Activity for Alternative Urban Development Scenarios: A Case Study on Brussels and Flemish Brabant. Sustainability, 2020, 12, 2370.	1.6	1
7	Comparing map-based and library-based training approaches for urban land-cover fraction mapping from Sentinel-2 imagery. International Journal of Applied Earth Observation and Geoinformation, 2019, 78, 295-305.	1.4	18
8	Dating lava flows of tropical volcanoes by means of spatial modeling of vegetation recovery. Earth Surface Processes and Landforms, 2018, 43, 840-856.	1.2	26
9	Mapping Population Distribution from High Resolution Remotely Sensed Imagery in a Data Poor Setting. Remote Sensing, 2018, 10, 1409.	1.8	18
10	Generalizing machine learning regression models using multi-site spectral libraries for mapping vegetation-impervious-soil fractions across multiple cities. Remote Sensing of Environment, 2018, 216, 482-496.	4.6	31
11	Optimizing mixed spectra generation for regression-based unmixing of land cover in urban areas. , 2017, , .		4
12	Modelling soil sealing density in residential areas for flanders and the brussels capital region. , 2017, , .		0
13	Synergistic Use of LiDAR and APEX Hyperspectral Data for High-Resolution Urban Land Cover Mapping. Remote Sensing, 2016, 8, 787.	1.8	33
14	Q-LAVHA: A flexible GIS plugin to simulate lava flows. Computers and Geosciences, 2016, 97, 98-109.	2.0	39
15	Impact of Environmental Factors on the Spectral Characteristics of Lava Surfaces: Field Spectrometry of Basaltic Lava Flows on Tenerife, Canary Islands, Spain. Remote Sensing, 2015, 7, 16986-17012.	1.8	12
16	A travel time-based variable grid approach for an activity-based cellular automata model. International Journal of Geographical Information Science, 2015, 29, 1757-1781.	2.2	10
17	Robust Locally Weighted Regression for Superresolution Enhancement of Multi-Angle Remote Sensing Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 1357-1371.	2.3	12
18	Mapping the uncertainty of changes in vegetation cover in and around the brussels capital region. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
19	High-resolution modeling and forecasting of sealed surface cover distribution in flanders. , 2013, , .		0
20	Use of land-cover fractions derived from MESMA for urban water balance calculation. , 2012, , .		3
21	Multiple Endmember Unmixing of CHRIS/Proba Imagery for Mapping Impervious Surfaces in Urban and Suburban Environments. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 3409-3424.	2.7	49
22	Modeling the impacts of agroforestry systems on the spatial patterns of soil erosion risk in three catchments of Claveria, the Philippines. Agroforestry Systems, 2012, 85, 411-423.	0.9	19
23	An Operational Superresolution Approach for Multi-Temporal and Multi-Angle Remotely Sensed Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2012, 5, 110-124.	2.3	25
24	Deriving urban land use with metric-based signatures: Comparing Landsat ETM+ and SPOT 5 imagery. , 2011, , .		0
25	Measuring the accessibility of different household income groups to basic community services in upland Misamis Oriental, Northern Mindanao, Philippines. Singapore Journal of Tropical Geography, 2011, 32, 168-184.	0.6	8
26	Preliminary Results of Superresolution-Enhanced Angular Hyperspectral (CHRIS/Proba) Images for Land-Cover Classification. IEEE Geoscience and Remote Sensing Letters, 2011, 8, 1011-1015.	1.4	11
27	Fully Automatic Subpixel Image Registration of Multiangle CHRIS/Proba Data. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 2829-2839.	2.7	74
28	Mapping sealed surfaces from CHRIS/Proba data: A multiple endmember unmixing approach. , 2010, , .		3
29	Using remote sensing derived spatial metrics for the calibration of land-use change models. , 2009, , .		11
30	Quantifying intra-urban morphology of the Greater Dublin area with spatial metrics derived from medium resolution remote sensing data. , 2009, , .		6
31	Superresolution enhancement for temporal hyperspectral-oriented data sets. , 2009, , .		2
32	Improved Classification of VHR Images of Urban Areas Using Directional Morphological Profiles. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 2803-2813.	2.7	109
33	Binary Classification Strategies for Mapping Urban Land Cover with Ensemble Classifiers. , 2008, , .		4
34	An Evaluation of Ecotope Classification using Superresolution Images Derived from Chris/Proba Data. , 2008, , .		6
35	Improving Distributed Runoff Prediction in Urbanized Catchments with Remote Sensing based Estimates of Impervious Surface Cover. Sensors, 2008, 8, 910-932.	2.1	82
36	Comparing Different Approaches for Mapping Urban Vegetation Cover from Landsat ETM+ Data: A Case Study on Brussels. Sensors, 2008, 8, 3880-3902.	2.1	54

#	ARTICLE	IF	CITATIONS
37	Improved distributed runoff modelling of urbanised catchments by integration of multi-resolution remote sensing. , 2007, , .		7
38	Measuring and modeling urban dynamics: impact on quality of life and hydrology. , 2007, , .		3