

Tim Van de Voorde

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,237
citations

448610

19
h-index

425179

34
g-index

56
all docs

56
docs citations

56
times ranked

1616
citing authors

#	ARTICLE	IF	CITATIONS
1	A Global Meta-Analysis of Soil Salinity Prediction Integrating Satellite Remote Sensing, Soil Sampling, and Machine Learning. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-15.	2.7	8
2	Which environmental features contribute to positive and negative perceptions of urban parks? A cross-cultural comparison using online reviews and Natural Language Processing methods. <i>Landscape and Urban Planning</i> , 2022, 218, 104307.	3.4	44
3	A novel hybrid sand and dust storm detection method using MODIS data on GEE platform. <i>European Journal of Remote Sensing</i> , 2022, 55, 420-428.	1.7	2
4	Impacts of climate change and evapotranspiration on shrinkage of Aral Sea. <i>Science of the Total Environment</i> , 2022, 845, 157203.	3.9	18
5	A global horizon scan of the future impacts of robotics and autonomous systems on urban ecosystems. <i>Nature Ecology and Evolution</i> , 2021, 5, 219-230.	3.4	39
6	A novel causal structure-based framework for comparing a basin-wide waterâ€“energyâ€“foodâ€“ecology nexus applied to the data-limited Amu Darya and Syr Darya river basins. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 901-925.	1.9	26
7	Estimation of Photosynthetic and Non-Photosynthetic Vegetation Coverage in the Lower Reaches of Tarim River Based on Sentinel-2A Data. <i>Remote Sensing</i> , 2021, 13, 1458.	1.8	6
8	Automatic detection of burial mounds (kurgans) in the Altai Mountains. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2021, 177, 217-237.	4.9	12
9	Attribution of changes in the trend and temporal non-uniformity of extreme precipitation events in Central Asia. <i>Scientific Reports</i> , 2021, 11, 15032.	1.6	23
10	A Comprehensive Study of Geochemical Data Storage Performance Based on Different Management Methods. <i>Remote Sensing</i> , 2021, 13, 3208.	1.8	1
11	Coupled SSPs-RCPs scenarios to project the future dynamic variations of water-soil-carbon-biodiversity services in Central Asia. <i>Ecological Indicators</i> , 2021, 129, 107936.	2.6	46
12	Identification of conservation priorities in the major basins of Central Asia: Using an integrated GIS-based ordered weighted averaging approach. <i>Journal of Environmental Management</i> , 2021, 298, 113442.	3.8	18
13	Spatiotemporal variation of agroecosystem service trade-offs and its driving factors across different climate zones. <i>Ecological Indicators</i> , 2021, 130, 108154.	2.6	11
14	Detection of Ground Materials Using Normalized Difference Indices with a Threshold: Risk and Ways to Improve. <i>Remote Sensing</i> , 2021, 13, 450.	1.8	5
15	An extreme rainfall event in summer 2018 of Hami city in eastern Xinjiang, China. <i>Advances in Climate Change Research</i> , 2021, 12, 795-803.	2.1	13
16	Analysis of the Impacts of Environmental Factors on Rat Hole Density in the Northern Slope of the Tianshan Mountains with Satellite Remote Sensing Data. <i>Remote Sensing</i> , 2021, 13, 4709.	1.8	5
17	Urban Land Cover Mapping from Airborne Hyperspectral Imagery Using a Fast Jointly Sparse Spectral Mixture Analysis Method. <i>Canadian Journal of Remote Sensing</i> , 2020, 46, 330-343.	1.1	1
18	Open water detection in urban environments using high spatial resolution remote sensing imagery. <i>Remote Sensing of Environment</i> , 2020, 242, 111706.	4.6	55

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19	Description and Attribution Analysis of the 2017 Spring Anomalous High Temperature Causing Floods in Kazakhstan. Journal of the Meteorological Society of Japan, 2020, 98, 1353-1368.	0.7	6
20	Airplane Recognition from Remote Sensing Images with Deep Convolutional Neural Network. , 2020, , .		3
21	Human and Natural Impacts on the Water Resources in the Syr Darya River Basin, Central Asia. Sustainability, 2019, 11, 3084.	1.6	44
22	Fast Automatic Airport Detection in Remote Sensing Images Using Convolutional Neural Networks. Remote Sensing, 2018, 10, 443.	1.8	66
23	Land cover mapping in urban environments using hyperspectral APEX data: A study case in Baden, Switzerland. International Journal of Applied Earth Observation and Geoinformation, 2018, 71, 70-82.	1.4	12
24	Mapping urban land cover from high spatial resolution hyperspectral data: An approach based on simultaneously unmixing similar pixels with jointly sparse spectral mixture analysis. Remote Sensing of Environment, 2017, 196, 324-342.	4.6	30
25	Spatially explicit urban green indicators for characterizing vegetation cover and public green space proximity: a case study on Brussels, Belgium. International Journal of Digital Earth, 2017, 10, 798-813.	1.6	30
26	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.	2.6	23
27	Quantifying uncertainty in remote sensing-based urban land-use mapping. International Journal of Applied Earth Observation and Geoinformation, 2014, 31, 154-166.	1.4	27
28	Assessing urbanisation effects on rainfall-runoff using a remote sensing supported modelling strategy. International Journal of Applied Earth Observation and Geoinformation, 2013, 21, 92-102.	1.4	54
29	Mapping the uncertainty of changes in vegetation cover in and around the brussels capital region. , 2013, , .		0
30	Evaluation of the DisTrad thermal sharpening methodology for urban areas. International Journal of Applied Earth Observation and Geoinformation, 2012, 19, 163-172.	1.4	100
31	Impact of remotely sensed land-cover proportions on urban runoff prediction. International Journal of Applied Earth Observation and Geoinformation, 2012, 16, 54-65.	1.4	24
32	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
33	A Remote Sensing Based Calibration Framework for the MOLAND Urban Growth Model of Dublin. International Journal of Agricultural and Environmental Information Systems, 2012, 3, 1-21.	1.8	9
34	Deriving urban land use with metric-based signatures: Comparing Landsat ETM+ and SPOT 5 imagery. , 2011, , .		0
35	Mapping form and function in urban areas: An approach based on urban metrics and continuous impervious surface data. Landscape and Urban Planning, 2011, 102, 143-155.	3.4	140
36	Remote sensing data assimilation in modeling urban dynamics: Objectives and methodology. Procedia Environmental Sciences, 2011, 7, 140-145.	1.3	8

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37	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
38	Inferring urban land use using the optimised spatial reclassification kernel. Environmental Modelling and Software, 2011, 26, 1279-1288.	1.9	16
39	Mapping sealed surfaces from CHRIS/Proba data: A multiple endmember unmixing approach. , 2010, , .		3
40	Improving the Calibration of the MOLAND Urban Growth Model with Land-Use Information Derived from a Time-Series of Medium Resolution Remote Sensing Data. Lecture Notes in Computer Science, 2010, , 89-104.	1.0	1
41	Using remote sensing derived spatial metrics for the calibration of land-use change models. , 2009, , .		11
42	Quantifying intra-urban morphology of the Greater Dublin area with spatial metrics derived from medium resolution remote sensing data. , 2009, , .		6
43	Full Hierarchic Versus Non-Hierarchic Classification Approaches for Mapping Sealed Surfaces at the Rural-Urban Fringe Using High-Resolution Satellite Data. Sensors, 2009, 9, 22-45.	2.1	12
44	A comparison of two spectral mixture modelling approaches for impervious surface mapping in urban areas. International Journal of Remote Sensing, 2009, 30, 4785-4806.	1.3	66
45	Binary Classification Strategies for Mapping Urban Land Cover with Ensemble Classifiers. , 2008, , .		4
46	Improving Distributed Runoff Prediction in Urbanized Catchments with Remote Sensing based Estimates of Impervious Surface Cover. Sensors, 2008, 8, 910-932.	2.1	82
47	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
48	Improved distributed runoff modelling of urbanised catchments by integration of multi-resolution remote sensing. , 2007, , .		7
49	Measuring and modeling urban dynamics: impact on quality of life and hydrology. , 2007, , .		3
50	A GIS-BASED MULTI-CRITERIA ANALYSIS ON CROPLAND SUITABILITY IN BORNUIR SOUM, MONGOLIA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B4-2020, 149-156.	0.2	0