

# Dongmei Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

1,788  
citations

361413

20  
h-index

289244

40  
g-index

82  
all docs

82  
docs citations

82  
times ranked

2634  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review and meta-analysis of Generative Adversarial Networks and their applications in remote sensing. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2022, 108, 102734.	2.8	11
2	Human Activity Intensity and Its Spatial-Temporal Evolution in China's Border Areas. <i>Land</i> , 2022, 11, 1089.	2.9	11
3	Comparison of apportionment methods for assigning trip data to rezoned traffic analysis zones: A case study of Toronto, Canada. <i>Canadian Geographer / Geographie Canadien</i> , 2021, 65, 321-332.	1.5	1
4	The Impact of Seasonality and Land Cover on the Consistency of Relationship between Air Temperature and LST Derived from Landsat 7 and MODIS at a Local Scale: A Case Study in Southern Ontario. <i>Land</i> , 2021, 10, 672.	2.9	7
5	Leveraging Deep Neural Networks to Map Caribou Lichen in High-Resolution Satellite Images Based on a Small-Scale, Noisy UAV-Derived Map. <i>Remote Sensing</i> , 2021, 13, 2658.	4.0	9
6	Relationships among COVID-19 Prevention Practices, Risk Perception and Individual Characteristics: A Temporal Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 10901.	2.6	4
7	A Slight Temperature Warming Trend Occurred over Lake Ontario from 2001 to 2018. <i>Land</i> , 2021, 10, 1315.	2.9	2
8	Estimating District-Level Electricity Consumption Using Remotely Sensed Data in Eastern Economic Corridor, Thailand. <i>Remote Sensing</i> , 2021, 13, 4654.	4.0	3
9	Evaluating Image Normalization via GANs for Environmental Mapping: A Case Study of Lichen Mapping Using High-Resolution Satellite Imagery. <i>Remote Sensing</i> , 2021, 13, 5035.	4.0	2
10	On the versatility of popular and recently proposed supervised evaluation metrics for segmentation quality of remotely sensed images: An experimental case study of building extraction. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020, 160, 275-290.	11.1	19
11	Impact of aerosols on terrestrial gross primary productivity in North China using an improved boreal ecosystem productivity simulator with satellite-based aerosol optical depth. <i>GIScience and Remote Sensing</i> , 2020, 57, 258-270.	5.9	15
12	Change Detection Based on Low-Level to High-Level Features Integration With Limited Samples. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2020, 13, 6260-6276.	4.9	8
13	An improved change detection approach using tri-temporal logic-verified change vector analysis. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020, 161, 278-293.	11.1	45
14	Declining precipitation acidity from H <sub>2</sub> SO <sub>4</sub> and HNO <sub>3</sub> across China inferred by OMI products. <i>Atmospheric Environment</i> , 2020, 224, 117359.	4.1	3
15	Estimating Ground-Level Ozone Concentrations in Eastern China Using Satellite-Based Precursors. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 4754-4763.	6.3	40
16	Atmospheric aerosol pollution across China: a spatiotemporal analysis of satellite-based aerosol optical depth during 2000-2016. <i>International Journal of Digital Earth</i> , 2019, 12, 843-857.	3.9	13
17	Comparison of seasonal surface temperature trend, spatial variability, and elevation dependency from satellite-derived products and numerical simulations over the Tibetan Plateau from 2003 to 2011. <i>International Journal of Remote Sensing</i> , 2019, 40, 1844-1857.	2.9	10
18	Estimated long-term variability of direct and diffuse solar radiation in North China during 1959-2016. <i>Theoretical and Applied Climatology</i> , 2019, 137, 153-163.	2.8	13

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19	Estimation of Corn Canopy Chlorophyll Content Using Derivative Spectra in the O <sub>2</sub> â€”A Absorption Band. <i>Frontiers in Plant Science</i> , 2019, 10, 1047.	3.6	10
20	Comparing Deep Neural Networks, Ensemble Classifiers, and Support Vector Machine Algorithms for Object-Based Urban Land Use/Land Cover Classification. <i>Remote Sensing</i> , 2019, 11, 1713.	4.0	129
21	An RP-MCE-SOP Framework for Chinaâ€™s County-Level â€œThree-Spaceâ€”and â€œThree-Lineâ€”Planningâ€”An Integration of Rational Planning, Multi-Criteria Evaluation, and Spatial Optimization. <i>Sustainability</i> , 2019, 11, 2997.	3.2	8
22	Improved empirical models for estimating surface direct and diffuse solar radiation at monthly and daily level: A case study in North China. <i>Progress in Physical Geography</i> , 2019, 43, 80-94.	3.2	5
23	Segmentation for Object-Based Image Analysis (OBIA): A review of algorithms and challenges from remote sensing perspective. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2019, 150, 115-134.	11.1	361
24	A comparison of three heuristic optimization algorithms for solving the multi-objective land allocation (MOLA) problem. <i>Annals of GIS</i> , 2018, 24, 19-31.	3.1	31
25	A Generalized Evaluation Scheme for Comparing Temperature Products from Satellite Observations, Numerical Weather Model, and Ground Measurements Over the Tibetan Plateau. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 3876-3894.	6.3	10
26	Decadal Trends in Wet Sulfur Deposition in China Estimated From OMI SO <sub>2</sub> Columns. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 10,796.	3.3	23
27	Long-term trends in NO <sub>2</sub> columns related to economic developments and air quality policies from 1997 to 2016 in China. <i>Science of the Total Environment</i> , 2018, 639, 146-155.	8.0	21
28	Variability of satellite-based total aerosols and the relationship with emission, meteorology and landscape in North China during 2000â€”2016. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	2.7	7
29	An improved knowledge-informed NSGA-II for multi-objective land allocation (MOLA). <i>Geo-Spatial Information Science</i> , 2018, 21, 273-287.	5.3	59
30	Building-Level Change Detection from Large-Scale Historical Vector Data by Using Direct and a Three-Tier Post-classification Comparison. <i>Lecture Notes in Computer Science</i> , 2018, , 300-316.	1.3	0
31	Comparison of variability and change rate in tropospheric NO <sub>2</sub> column obtained from satellite products across China during 1997â€”2015. <i>International Journal of Digital Earth</i> , 2017, 10, 814-828.	3.9	6
32	Comparison of linear and nonlinear spectral unmixing approaches: a case study with multispectral TM imagery. <i>International Journal of Remote Sensing</i> , 2017, 38, 773-795.	2.9	31
33	Estimation of monthly bulk nitrate deposition in China based on satellite NO <sub>2</sub> measurement by the Ozone Monitoring Instrument. <i>Remote Sensing of Environment</i> , 2017, 199, 93-106.	11.0	29
34	Mapping mangrove forests using multi-tidal remotely-sensed data and a decision-tree-based procedure. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2017, 62, 201-214.	2.8	69
35	Analyzing the Potential Risk of Climate Change on Lyme Disease in Eastern Ontario, Canada Using Time Series Remotely Sensed Temperature Data and Tick Population Modelling. <i>Remote Sensing</i> , 2017, 9, 609.	4.0	13
36	Validation and Analysis of Long-Term AATSR Land Surface Temperature Product in the Heihe River Basin, China. <i>Remote Sensing</i> , 2017, 9, 152.	4.0	20

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37	Identification of Potential Sources of Mercury (Hg) in Farmland Soil Using a Decision Tree Method in China. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 1111.	2.6	14
38	Spatial Distribution of Mercury (Hg) Concentration in Agricultural Soil and Its Risk Assessment on Food Safety in China. <i>Sustainability</i> , 2016, 8, 795.	3.2	26
39	A targeted change-detection procedure by combining change vector analysis and post-classification approach. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2016, 114, 115-124.	11.1	40
40	An improved approach for geocoding Canadian postal code-based data in health-related studies. <i>Canadian Geographer / Géographie Canadienne</i> , 2016, 60, 270-281.	1.5	8
41	Assessment of arsenic (As) occurrence in arable soil and its related health risk in China. <i>Environmental Geochemistry and Health</i> , 2016, 38, 691-702.	3.4	29
42	A system dynamics model for urban sustainable transportation planning. , 2015, , .		0
43	Evaluation of Lead in Arable Soils, China. <i>Clean - Soil, Air, Water</i> , 2015, 43, 1232-1240.	1.1	13
44	Analyzing the Correlation between Deer Habitat and the Component of the Risk for Lyme Disease in Eastern Ontario, Canada: A GIS-Based Approach. <i>ISPRS International Journal of Geo-Information</i> , 2015, 4, 105-123.	2.9	8
45	Assessment of cadmium (Cd) concentration in arable soil in China. <i>Environmental Science and Pollution Research</i> , 2015, 22, 4932-4941.	5.3	125
46	Commuting behaviors and exposure to air pollution in Montreal, Canada. <i>Science of the Total Environment</i> , 2015, 508, 193-198.	8.0	20
47	Evaluating the Impact of Environmental Temperature on Global Highly Pathogenic Avian Influenza (HPAI) H5N1 Outbreaks in Domestic Poultry. <i>International Journal of Environmental Research and Public Health</i> , 2014, 11, 6388-6399.	2.6	7
48	Long-Term Changes of Lake Level and Water Budget in the Nam Co Lake Basin, Central Tibetan Plateau. <i>Journal of Hydrometeorology</i> , 2014, 15, 1312-1322.	1.9	48
49	Assessing traffic and polycyclic aromatic hydrocarbon exposure in Montreal, Canada. <i>Science of the Total Environment</i> , 2014, 470-471, 945-953.	8.0	13
50	Building-based urban land use classification from vector databases in Manchester, UK. , 2012, , .		2
51	Characteristics and drivers of global NDVI-based FPAR from 1982 to 2006. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	4.9	32
52	Seasonal dynamic pattern analysis on global FPAR derived from AVHRR GIMMS NDVI. <i>International Journal of Digital Earth</i> , 2012, 5, 439-455.	3.9	10
53	Risk signals of an influenza pandemic caused by highly pathogenic avian influenza subtype H5N1: Spatio-temporal perspectives. <i>Veterinary Journal</i> , 2012, 192, 417-421.	1.7	18
54	The impact of image and class structure upon sub-pixel mapping accuracy using the pixel-swapping algorithm. <i>Annals of GIS</i> , 2011, 17, 31-42.	3.1	12

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55	Spatial and temporal aberration detection methods for disease outbreaks in syndromic surveillance systems. <i>Annals of GIS</i> , 2011, 17, 211-220.	3.1	12
56	Nonparametric Evaluation of Dynamic Disease Risk: A Spatio-Temporal Kernel Approach. <i>PLoS ONE</i> , 2011, 6, e17381.	2.5	20
57	A semi-empirical model for predicting hourly ground-level fine particulate matter (PM2.5) concentration in southern Ontario from satellite remote sensing and ground-based meteorological measurements. <i>Remote Sensing of Environment</i> , 2010, 114, 221-229.	11.0	161
58	Spectral, spatial, and temporal sensitivity of correlating MODIS aerosol optical depth with ground-based fine particulate matter (PM2.5) across southern Ontario. <i>Canadian Journal of Remote Sensing</i> , 2010, 36, 119-128.	2.4	20
59	Spatio-Temporal Data Comparisons for Global Highly Pathogenic Avian Influenza (HPAI) H5N1 Outbreaks. <i>PLoS ONE</i> , 2010, 5, e15314.	2.5	28
60	The effect of spatial autocorrelation and class proportion on the accuracy measures from different sampling designs. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2009, 64, 140-150.	11.1	31