Chengbin Deng

List of Publications by Year
in descending order

39	1,954	394421	377865
papers	citations	19	34
		h-index	g-index
40	40	40	2328
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The characteristics of multi-source mobility datasets and how they reveal the luxury nature of social distancing in the U.S. during the COVID-19 pandemic. International Journal of Digital Earth, 2021, 14, 424-442.	3.9	62
2	Deep fake geography? When geospatial data encounter Artificial Intelligence. Cartography and Geographic Information Science, 2021, 48, 338-352.	3.0	47
3	Continuous subpixel monitoring of urban impervious surface using Landsat time series. Remote Sensing of Environment, 2020, 238, 110929.	11.0	88
4	Does vegetation matter for the criminal behavior among people with serious mental illness?. Asian Social Work and Policy Review, 2020, 14, 22-33.	1.4	0
5	Day and night synergy to improve subpixel urban impervious surface mapping in desert environments at 30-m Landsat resolution. International Journal of Remote Sensing, 2020, 41, 9588-9605.	2.9	4
6	Mortality risk of a future heat event across a subtropical city: implications for community planning and health policy. Natural Hazards, 2020, 103, 623-637.	3.4	4
7	Analysis of sustainable utilization of water resources based on the improved water resources ecological footprint model: A case study of Hubei Province, China. Journal of Environmental Management, 2020, 262, 110331.	7.8	106
8	A Data-Driven Framework for Walkability Measurement with Open Data: A Case Study of Triple Cities, New York. ISPRS International Journal of Geo-Information, 2020, 9, 36.	2.9	13
9	Investigating urban heat island through spatial analysis of New York City streetscapes. Journal of Cleaner Production, 2019, 233, 972-992.	9.3	57
10	Understanding an urbanizing planet: Strategic directions for remote sensing. Remote Sensing of Environment, 2019, 228, 164-182.	11.0	227
11	A Semantic and Sentiment Analysis on Online Neighborhood Reviews for Understanding the Perceptions of People toward Their Living Environments. Annals of the American Association of Geographers, 2019, 109, 1052-1073.	2.2	39
12	Use of smart meter readings and nighttime light images to track pixel-level electricity consumption. Remote Sensing Letters, 2019, 10, 205-213.	1.4	9
13	Social media data as a proxy for hourly fine-scale electric power consumption estimation. Environment and Planning A, 2018, 50, 1553-1557.	3.6	10
14	Evaluation of machine learning techniques with multiple remote sensing datasets in estimating monthly concentrations of ground-level PM2.5. Environmental Pollution, 2018, 242, 1417-1426.	7.5	125
15	Real-Time Human Objects Tracking for Smart Surveillance at the Edge. , 2018, , .		60
16	Cloud and Cloud Shadow Detection for Landsat Images: The Fundamental Basis for Analyzing Landsat Time Series. , 2018, , 3-23.		15
17	Quantifying the spatial and temporal relationship between air and land surface temperatures of different land-cover types in Southeastern China. International Journal of Remote Sensing, 2017, 38, 1114-1136.	2.9	15
18	Subpixel urban impervious surface mapping: the impact of input Landsat images. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 133, 89-103.	11.1	28

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19	Mapping Above-Ground Biomass by Integrating Optical and SAR Imagery: A Case Study of Xixi National Wetland Park, China. Remote Sensing, 2016, 8, 647.	4.0	16
20	Automated delineation of karst sinkholes from LiDAR-derived digital elevation models. Geomorphology, 2016, 266, 1-10.	2.6	76
21	Automated Construction of Multiple Regional Libraries for Neighborhoodwise Local Multiple Endmember Unmixing. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 4232-4246.	4.9	14
22	Evaluation of AMSR2 soil moisture products over the contiguous United States using in situ data from the International Soil Moisture Network. International Journal of Applied Earth Observation and Geoinformation, 2016, 45, 187-199.	2.8	55
23	A geographic approach to carbon accounting of Wisconsin. Journal of Maps, 2016, 12, 324-333.	2.0	4
24	Incorporating Endmember Variability into Linear Unmixing of Coarse Resolution Imagery: Mapping Large-Scale Impervious Surface Abundance Using a Hierarchically Object-Based Spectral Mixture Analysis. Remote Sensing, 2015, 7, 9205-9229.	4.0	9
25	Viewing urban decay from the sky: A multi-scale analysis of residential vacancy in a shrinking U.S. city. Landscape and Urban Planning, 2015, 141, 88-99.	7.5	63
26	Integrating multi-source remotely sensed datasets to examine the impact of tree height and pattern information on crimes in Milwaukee, Wisconsin. Applied Geography, 2015, 65, 38-48.	3.7	14
27	Differentiating tower karst (fenglin) and cockpit karst (fengcong) using DEM contour, slope, and centroid. Environmental Earth Sciences, 2014, 72, 407.	2.7	13
28	Spatially Constrained Multiple Endmember Spectral Mixture Analysis for Quantifying Subpixel Urban Impervious Surfaces. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 1976-1984.	4.9	20
29	Examining the impacts of urban biophysical compositions on surface urban heat island: A spectral unmixing and thermal mixing approach. Remote Sensing of Environment, 2013, 131, 262-274.	11.0	179
30	A spatially adaptive spectral mixture analysis for mapping subpixel urban impervious surface distribution. Remote Sensing of Environment, 2013, 133, 62-70.	11.0	152
31	Estimating very high resolution urban surface temperature using a spectral unmixing and thermal mixing approach. International Journal of Applied Earth Observation and Geoinformation, 2013, 23, 155-164.	2.8	34
32	The use of single-date MODIS imagery for estimating large-scale urban impervious surface fraction with spectral mixture analysis and machine learning techniques. ISPRS Journal of Photogrammetry and Remote Sensing, 2013, 86, 100-110.	11.1	71
33	Improving Small-Area Population Estimation: An Integrated Geographic and Demographic Approach. Annals of the American Association of Geographers, 2013, 103, 1123-1141.	3.0	13
34	BCI: A biophysical composition index for remote sensing of urban environments. Remote Sensing of Environment, 2012, 127, 247-259.	11.0	245
35	Improving the housing-unit method for small-area population estimation using remote-sensing and GIS information. International Journal of Remote Sensing, 2010, 31, 5673-5688.	2.9	39
36	Analysis of neighborhood radii influence on segregation. , 2008, , .		0

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37	Agent-based modeling to simulate the dengue spread. Proceedings of SPIE, 2008, , .	0.8	8
38	Acquiring height distribution information about high-rises in Beijing using shadow in SPOT-5. Proceedings of SPIE, 2008, , .	0.8	1
39	Multi-agent simulation of the von Thunen model formation mechanism. , 2008, , .		0