Mutlu Ozdogan

List of Publications by Year
in descending order

52 papers	4,221 citations	117625 34 h-index	189892 50 g-index
52 all docs	52 docs citations	52 times ranked	5440 citing authors

#	Article	IF	Citations
1	Patterns and drivers of post-socialist farmland abandonment in Western Ukraine. Land Use Policy, 2011, 28, 552-562.	5.6	369
2	Global Land Cover Mapping: A Review and Uncertainty Analysis. Remote Sensing, 2014, 6, 12070-12093.	4.0	247
3	Simulating the Effects of Irrigation over the United States in a Land Surface Model Based on Satellite-Derived Agricultural Data. Journal of Hydrometeorology, 2010, 11, 171-184.	1.9	245
4	The impact of gridding artifacts on the local spatial properties of MODIS data: Implications for validation, compositing, and band-to-band registration across resolutions. Remote Sensing of Environment, 2006, 105, 98-114.	11.0	243
5	Remote Sensing of Irrigated Agriculture: Opportunities and Challenges. Remote Sensing, 2010, 2, 2274-2304.	4.0	241
6	A new methodology to map irrigated areas using multi-temporal MODIS and ancillary data: An application example in the continental US. Remote Sensing of Environment, 2008, 112, 3520-3537.	11.0	224
7	Multiscale analysis and validation of the MODIS LAI productI. Uncertainty assessment. Remote Sensing of Environment, 2002, 83, 414-430.	11.0	174
8	Mapping rice paddy extent and intensification in the Vietnamese Mekong River Delta with dense time stacks of Landsat data. Remote Sensing of Environment, 2015, 169, 255-269.	11.0	161
9	Resolution dependent errors in remote sensing of cultivated areas. Remote Sensing of Environment, 2006, 103, 203-217.	11.0	140
10	The spatial distribution of crop types from MODIS data: Temporal unmixing using Independent Component Analysis. Remote Sensing of Environment, 2010, 114, 1190-1204.	11.0	136
11	MODIS phenology-derived, multi-year distribution of conterminous U.S. crop types. Remote Sensing of Environment, 2017, 198, 490-503.	11.0	103
12	Mapping croplands of Europe, Middle East, Russia, and Central Asia using Landsat, Random Forest, and Google Earth Engine. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 167, 104-122.	11.1	103
13	Field-level crop yield mapping with Landsat using a hierarchical data assimilation approach. Remote Sensing of Environment, 2019, 228, 144-163.	11.0	101
14	Comparative assessment of environmental variables and machine learning algorithms for maize yield prediction in the US Midwest. Environmental Research Letters, 2020, 15, 064005.	5.2	96
15	Irrigation-induced changes in potential evapotranspiration in southeastern Turkey: Test and application of Bouchet's complementary hypothesis. Water Resources Research, 2004, 40, .	4.2	92
16	How Universal Is the Relationship between Remotely Sensed Vegetation Indices and Crop Leaf Area Index? A Global Assessment. Remote Sensing, 2016, 8, 597.	4.0	91
17	Corn yield prediction and uncertainty analysis based on remotely sensed variables using a Bayesian neural network approach. Remote Sensing of Environment, 2021, 259, 112408.	11.0	91
18	Multiscale analysis and validation of the MODIS LAI productII. Sampling strategy. Remote Sensing of Environment, 2002, 83, 431-441.	11.0	89

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19	Modeling the impacts of climate change on wheat yields in Northwestern Turkey. Agriculture, Ecosystems and Environment, 2011, 141, 1-12.	5.3	87
20	Using the Landsat record to detect forest-cover changes during and after the collapse of the Soviet Union in the temperate zone of European Russia. Remote Sensing of Environment, 2012, 124, 174-184.	11.0	83
21	Climate change impacts on rice productivity in the Mekong River Delta. Applied Geography, 2019, 102, 71-83.	3.7	78
22	Agroecosystem Analysis of the Choke Mountain Watersheds, Ethiopia. Sustainability, 2013, 5, 592-616.	3.2	73
23	Landsat remote sensing of forest windfall disturbance. Remote Sensing of Environment, 2014, 143, 171-179.	11.0	72
24	Changes in Summer Irrigated Crop Area and Water Use in Southeastern Turkey from 1993 to 2002: Implications for Current and Future Water Resources. Water Resources Management, 2006, 20, 467-488.	3.9	70
25	Comparison of prognostic and diagnostic surface flux modeling approaches over the Nile River basin. Water Resources Research, 2014, 50, 386-408.	4.2	68
26	Phenology from Landsat when data is scarce: Using MODIS and Dynamic Time-Warping to combine multi-year Landsat imagery to derive annual phenology curves. International Journal of Applied Earth Observation and Geoinformation, 2017, 54, 72-83.	2.8	62
27	Examination of the Bouchetâ€“Morton Complementary Relationship Using a Mesoscale Climate Model and Observations under a Progressive Irrigation Scenario. Journal of Hydrometeorology, 2006, 7, 235-251.	1.9	49
28	Soil type mediates effects of land use on soil carbon and nitrogen in the Konya Basin, Turkey. Geoderma, 2014, 232-234, 517-527.	5.1	47
29	Large area cropland extent mapping with Landsat data and a generalized classifier. Remote Sensing of Environment, 2018, 219, 180-195.	11.0	46
30	Parcel-Level Identification of Crop Types Using Different Classification Algorithms and Multi-Resolution Imagery in Southeastern Turkey. Photogrammetric Engineering and Remote Sensing, 2013, 79, 1053-1065.	0.6	45
31	Mapping Cropping Practices on a National Scale Using Intra-Annual Landsat Time Series Binning. Remote Sensing, 2019, 11, 232.	4.0	45
32	Building Climate Resilience in the Blue Nile/Abay Highlands: A Role for Earth System Sciences. International Journal of Environmental Research and Public Health, 2012, 9, 435-461.	2.6	43
33	Evaluating forest policy implementation effectiveness with a cross-scale remote sensing analysis in a priority conservation area of Southwest China. Applied Geography, 2014, 47, 177-189.	3.7	43
34	Regional- and district-level drivers of timber harvesting in European Russia after the collapse of the Soviet Union. Global Environmental Change, 2011, 21, 1290-1300.	7.8	36
35	Impacts of a nuclear war in South Asia on soybean and maize production in the Midwest United States. Climatic Change, 2013, 116, 373-387.	3.6	33
36	A data-driven approach to estimate leaf area index for Landsat images over the contiguous US. Remote Sensing of Environment, 2021, 258, 112383.	11.0	33

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37	Holding the line: three decades of prescribed fires halt but do not reverse woody encroachment in grasslands. Landscape Ecology, 2017, 32, 2297-2310.	4.2	32
38	Climate change impacts on snow water availability in the Euphrates-Tigris basin. Hydrology and Earth System Sciences, 2011, 15, 2789-2803.	4.9	31
39	Crop Type Classification by Simultaneous Use of Satellite Images of Different Resolutions. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 3637-3649.	6.3	29
40	Estimating maize and cotton yield in southeastern Turkey with integrated use of satellite images, meteorological data and digital photographs. Field Crops Research, 2014, 157, 8-19.	5.1	27
41	Exploring the potential contribution of irrigation to global agricultural primary productivity. Global Biogeochemical Cycles, 2011, 25, n/a-n/a.	4.9	26
42	Land Cover Classification in Complex and Fragmented Agricultural Landscapes of the Ethiopian Highlands. Remote Sensing, 2016, 8, 1020.	4.0	25
43	Traits associated with winter wheat grain yield in Central and West Asia. Journal of Integrative Plant Biology, 2014, 56, 673-683.	8.5	21
44	Implications of land use change on the national terrestrial carbon budget of Georgia. Carbon Balance and Management, 2010, 5, 4.	3.2	18
45	Patterns in Forest Clearing Along the Appalachian Trail Corridor. Photogrammetric Engineering and Remote Sensing, 2007, 73, 783-791.	0.6	10
46	A Practical and Automated Approach to Large Area Forest Disturbance Mapping with Remote Sensing. PLoS ONE, 2014, 9, e78438.	2.5	10
47	Using a pattern metric-based analysis to examine the success of forest policy implementation in Southwest China. Landscape Ecology, 2015, 30, 1111-1127.	4.2	9
48	The Role of Remote Sensing for Understanding Large-Scale Rubber Concession Expansion in Southern Laos. Land, 2018, 7, 55.	2.9	9
49	Evaluation of the Uncertainty in Satellite-Based Crop State Variable Retrievals Due to Site and Growth Stage Specific Factors and Their Potential in Coupling with Crop Growth Models. Remote Sensing, 2019, 11, 1928.	4.0	7
50	Impacts of forest harvest on cold season land surface conditions and landâ€atmosphere interactions in northern <scp>G</scp>reat <scp>L</scp>akes states. Journal of Advances in Modeling Earth Systems, 2014, 6, 923-937.	3.8	6
51	Fine-Scale Urban Heat Patterns in New York City Measured by ASTER Satelliteâ€”The Role of Complex Spatial Structures. Remote Sensing, 2021, 13, 3797.	4.0	2
52	An integrated hydrological and water management study of the entire Nile river system - Lake Victoria to Nile delta. , 2011, , .		0