

# William W Hargrove

## List of Publications by Year in descending order

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Version: 2024-02-01

64  
papers

5,236  
citations

159585

30  
h-index

144013

57  
g-index

66  
all docs

66  
docs citations

66  
times ranked

7904  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mapping crops within the growing season across the United States. Remote Sensing of Environment, 2020, 251, 112048.	11.0	40
2	Monitoring Broad-scale Vegetational Diversity and Change across North American Landscapes Using Land Surface Phenology. Forests, 2020, 11, 606.	2.1	13
3	Use of MODIS NDVI Products to Map Tree Mortality Levels in Forests Affected by Mountain Pine Beetle Outbreaks. Forests, 2019, 10, 811.	2.1	28
4	Mapping ecoregions under climate change: a case study from the biological "crossroads" of three continents, Turkey. Landscape Ecology, 2019, 34, 35-50.	4.2	13
5	Parallel k-Means Clustering of Geospatial Data Sets Using Manycore CPU Architectures. , 2018, , .		2
6	A United States national prioritization framework for tree species vulnerability to climate change. New Forests, 2017, 48, 275-300.	1.7	26
7	Parallel Multivariate Spatio-Temporal Clustering of Large Ecological Datasets on Hybrid Supercomputers. , 2017, , .		4
8	Quantifying Seasonal Patterns in Disparate Environmental Variables Using the PolarMetrics R Package. , 2017, , .		1
9	Spring and Autumn Phenological Variability across Environmental Gradients of Great Smoky Mountains National Park, USA. Remote Sensing, 2017, 9, 407.	4.0	24
10	Review of broad-scale drought monitoring of forests: Toward an integrated data mining approach. Forest Ecology and Management, 2016, 380, 346-358.	3.2	56
11	Characterization and Classification of Vegetation Canopy Structure and Distribution within the Great Smoky Mountains National Park Using LiDAR. , 2015, , .		7
12	Climate-induced change of environmentally defined floristic domains: A conservation based vulnerability framework. Applied Geography, 2015, 63, 33-42.	3.7	18
13	<scp>CTFS</scp>'s Forest<scp>GEO</scp>: a worldwide network monitoring forests in an era of global change. Global Change Biology, 2015, 21, 528-549.	9.5	473
14	Visual Reconciliation of Alternative Similarity Spaces in Climate Modeling. IEEE Transactions on Visualization and Computer Graphics, 2014, 20, 1923-1932.	4.4	20
15	Representativeness-based sampling network design for the State of Alaska. Landscape Ecology, 2013, 28, 1567-1586.	4.2	39
16	Identification and Visualization of Dominant Patterns and Anomalies in Remotely Sensed Vegetation Phenology Using a Parallel Tool for Principal Components Analysis. Procedia Computer Science, 2013, 18, 2396-2405.	2.0	9
17	An Implementation of the Pathway Analysis Through Habitat (PATH) Algorithm Using NetLogo. , 2012, , 211-222.		3
18	Determining suitable locations for seed transfer under climate change: a global quantitative method. New Forests, 2012, 43, 581-599.	1.7	44

#	ARTICLE	IF	CITATIONS
19	Parallel k-Means Clustering for Quantitative Ecoregion Delineation Using Large Data Sets. <i>Procedia Computer Science</i> , 2011, 4, 1602-1611.	2.0	66
20	Data Mining in Earth System Science (DMESS 2011). <i>Procedia Computer Science</i> , 2011, 4, 1450-1455.	2.0	19
21	Cluster Analysis-Based Approaches for Geospatiotemporal Data Mining of Massive Data Sets for Identification of Forest Threats. <i>Procedia Computer Science</i> , 2011, 4, 1612-1621.	2.0	24
22	Assessment of MODIS NDVI time series data products for detecting forest defoliation by gypsy moth outbreaks. <i>Remote Sensing of Environment</i> , 2011, 115, 427-437.	11.0	123
23	Use of the Köppen-Trewartha climate classification to evaluate climatic refugia in statistically derived ecoregions for the People's Republic of China. <i>Climatic Change</i> , 2010, 98, 113-131.	3.6	77
24	The projection of species distribution models and the problem of non-analog climate. <i>Biodiversity and Conservation</i> , 2009, 18, 2255-2261.	2.6	320
25	Biological Field Stations: Research Legacies and Sites for Serendipity. <i>BioScience</i> , 2009, 59, 300-310.	4.9	27
26	Investigating habitat value to inform contaminant remediation options: Approach. <i>Journal of Environmental Management</i> , 2008, 88, 1436-1451.	7.8	13
27	Investigating habitat value to inform contaminant remediation options: Case study. <i>Journal of Environmental Management</i> , 2008, 88, 1452-1470.	7.8	4
28	Agro-ecoregionalization of Iowa using multivariate geographical clustering. <i>Agriculture, Ecosystems and Environment</i> , 2008, 123, 161-174.	5.3	44
29	A continental strategy for the National Ecological Observatory Network. <i>Frontiers in Ecology and the Environment</i> , 2008, 6, 282-284.	4.0	246
30	The Apache Longbow Hellfire Missile Test at Yuma Proving Ground: Ecological Risk Assessment for Helicopter Overflight. <i>Human and Ecological Risk Assessment (HERA)</i> , 2008, 14, 871-897.	3.4	0
31	The Apache Longbow Hellfire Missile Test at Yuma Proving Ground: Ecological Risk Assessment for Tracked Vehicle Movement across Desert Pavement. <i>Human and Ecological Risk Assessment (HERA)</i> , 2008, 14, 919-946.	3.4	2
32	The Apache Longbow Hellfire Missile Test at Yuma Proving Ground: Ecological Risk Assessment for Missile Firing. <i>Human and Ecological Risk Assessment (HERA)</i> , 2008, 14, 898-918.	3.4	2
33	ENVIRONMENT: Environmental Monitoring Network for India. <i>Science</i> , 2007, 316, 204-205.	12.6	26
34	NEON: a hierarchically designed national ecological network. <i>Frontiers in Ecology and the Environment</i> , 2007, 5, 59-59.	4.0	65
35	Transport in the subtropical lowermost stratosphere during the Cirrus Regional Study of Tropical Anvils and Cirrus Layers Florida Area Cirrus Experiment. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	9
36	Comparison of MODIS gross primary production estimates for forests across the U.S.A. with those generated by a simple process model, 3-PGS. <i>Remote Sensing of Environment</i> , 2007, 109, 500-509.	11.0	66

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37	Mapcurves: a quantitative method for comparing categorical maps. <i>Journal of Geographical Systems</i> , 2006, 8, 187-208.	3.1	90
38	Using Clustered Climate Regimes to Analyze and Compare Predictions from Fully Coupled General Circulation Models. <i>Earth Interactions</i> , 2005, 9, 1-27.	1.5	46
39	A Practical Map-Analysis Tool for Detecting Potential Dispersal Corridors. <i>Landscape Ecology</i> , 2005, 20, 361-373.	4.2	51
40	A global framework for monitoring phenological responses to climate change. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	4.0	151
41	Mapping environments at risk under different global climate change scenarios. <i>Ecology Letters</i> , 2004, 8, 53-60.	6.4	84
42	Ecological niches as stable distributional constraints on mammal species, with implications for Pleistocene extinctions and climate change projections for biodiversity. <i>Global Ecology and Biogeography</i> , 2004, 13, 305-314.	5.8	375
43	Potential of Multivariate Quantitative Methods for Delineation and Visualization of Ecoregions. <i>Environmental Management</i> , 2004, 34, S39-S60.	2.7	211
44	New analysis reveals representativeness of the AmeriFlux network. <i>Eos</i> , 2003, 84, 529.	0.1	83
45	Addressing multi-use issues in sustainable forest management with signal-transfer modeling. <i>Forest Ecology and Management</i> , 2002, 165, 295-304.	3.2	8
46	A GIS/Simulation Framework for Assessing Change in Water Yield over Large Spatial Scales. <i>Environmental Management</i> , 2002, 29, 164-181.	2.7	4
47	A Fractal Landscape Realizer for Generating Synthetic Maps. <i>Ecology and Society</i> , 2002, 6, .	0.9	46
48	The Do-It-Yourself Supercomputer. <i>Scientific American</i> , 2001, 285, 72-79.	1.0	31
49	Using dendronal signatures for feature extraction and retrieval. <i>International Journal of Imaging Systems and Technology</i> , 2000, 11, 243-253.	4.1	16
50	Title is missing!. <i>Environmental Modeling and Assessment</i> , 2000, 5, 125-137.	2.2	10
51	Constructive Contrasts Between Modeled and Measured Climate Responses Over a Regional Scale. <i>Ecosystems</i> , 2000, 3, 396-411.	3.4	15
52	Simulating fire patterns in heterogeneous landscapes. <i>Ecological Modelling</i> , 2000, 135, 243-263.	2.5	220
53	Multivariate geographic clustering in a metacomputing environment using Globus. , 1999, , .		12
54	The Role of Soil Classification in Geographic Information System Modeling of Habitat Pattern: Threatened Calcareous Ecosystems. <i>Ecosystems</i> , 1999, 2, 524-538.	3.4	24

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55	Predicting Spatial Distribution of Foragers over Large Resource Landscapes: A Modeling Analysis of the Ideal Free Distribution. <i>Oikos</i> , 1997, 79, 376.	2.7	46
56	EFFECTS OF FIRE SIZE AND PATTERN ON EARLY SUCCESSION IN YELLOWSTONE NATIONAL PARK. <i>Ecological Monographs</i> , 1997, 67, 411-433.	5.4	429
57	Lacunarity analysis: A general technique for the analysis of spatial patterns. <i>Physical Review E</i> , 1996, 53, 5461-5468.	2.1	418
58	Effects of fire on landscape heterogeneity in Yellowstone National Park, Wyoming. <i>Journal of Vegetation Science</i> , 1994, 5, 731-742.	2.2	453
59	Landscape-scale heterogeneity in lodgepole pine serotiny. <i>Canadian Journal of Forest Research</i> , 1994, 24, 897-903.	1.7	95
60	Pseudoreplication: a sine qua non for regional ecology. <i>Landscape Ecology</i> , 1992, 6, 251-258.	4.2	272
61	RAIN: A novel approach to computer-aided decision making in agriculture and forestry. <i>Computers and Electronics in Agriculture</i> , 1990, 4, 275-285.	7.7	5
62	A photographic technique for tracking herbivory on individual leaves through time *. <i>Ecological Entomology</i> , 1988, 13, 359-363.	2.2	6
63	Video Digitizer for the Rapid Measurement of Leaf Area Lost to Herbivorous Insects <sup>1</sup> . <i>Annals of the Entomological Society of America</i> , 1988, 81, 593-598.	2.5	16
64	The Effects of Low-Level Consumption by Canopy Arthropods on the Growth and Nutrient Dynamics of Black Locust and Red Maple Trees in the Southern Appalachians. <i>Ecology</i> , 1983, 64, 1040-1048.	3.2	62