

Warren B Cohen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

117
papers

16,478
citations

63
h-index

120
g-index

120
ext. papers

18,330
ext. citations

8.8
avg, IF

6.57
L-index

#	Paper	IF	Citations
117	Aboveground biomass density models for NASA's Global Ecosystem Dynamics Investigation (GEDI) lidar mission. <i>Remote Sensing of Environment</i> , 2022 , 270, 112845	13.2	11
116	Three Decades of Land Cover Change in East Africa. <i>Land</i> , 2021 , 10, 150	3.5	6
115	Diversity of Algorithm and Spectral Band Inputs Improves Landsat Monitoring of Forest Disturbance. <i>Remote Sensing</i> , 2020 , 12, 1673	5	17
114	Quality control and assessment of interpreter consistency of annual land cover reference data in an operational national monitoring program. <i>Remote Sensing of Environment</i> , 2020 , 238, 111261	13.2	28
113	Continuous monitoring of land disturbance based on Landsat time series. <i>Remote Sensing of Environment</i> , 2020 , 238, 111116	13.2	77
112	Current status of Landsat program, science, and applications. <i>Remote Sensing of Environment</i> , 2019 , 225, 127-147	13.2	341
111	Reply to Wampler et al.: Deforestation and biodiversity loss should not be sugarcoated. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 5204	11.5	1
110	Integrating TimeSync Disturbance Detection and Repeat Forest Inventory to Predict Carbon Flux. <i>Forests</i> , 2019 , 10, 984	2.8	3
109	An empirical, integrated forest biomass monitoring system. <i>Environmental Research Letters</i> , 2018 , 13, 025004	6.2	32
108	Development of Landsat-based annual US forest disturbance history maps (1986–2010) in support of the North American Carbon Program (NACP). <i>Remote Sensing of Environment</i> , 2018 , 209, 312-326	13.2	22
107	Mapping forest change using stacked generalization: An ensemble approach. <i>Remote Sensing of Environment</i> , 2018 , 204, 717-728	13.2	112
106	Implementation of the LandTrendr Algorithm on Google Earth Engine. <i>Remote Sensing</i> , 2018 , 10, 691	5	169
105	Visual interpretation and time series modeling of Landsat imagery highlight drought's role in forest canopy declines. <i>Ecosphere</i> , 2018 , 9, e02195	3.1	15
104	A LandTrendr multispectral ensemble for forest disturbance detection. <i>Remote Sensing of Environment</i> , 2018 , 205, 131-140	13.2	94
103	Shifts in Forest Structure in Northwest Montana from 1972 to 2015 Using the Landsat Archive from Multispectral Scanner to Operational Land Imager. <i>Forests</i> , 2018 , 9, 157	2.8	15
102	Haiti's biodiversity threatened by nearly complete loss of primary forest. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 11850-11855	11.5	22
101	The normal fire environment Modeling environmental suitability for large forest wildfires using past, present, and future climate normals. <i>Forest Ecology and Management</i> , 2017 , 390, 173-186	3.9	45

100	Testing a Landsat-based approach for mapping disturbance causality in U.S. forests. <i>Remote Sensing of Environment</i> , 2017 , 195, 230-243	13.2	40
99	Harmonization of forest disturbance datasets of the conterminous USA from 1986 to 2011. <i>Environmental Monitoring and Assessment</i> , 2017 , 189, 170	3.1	4
98	Using Landsat Time-Series and LiDAR to Inform Aboveground Forest Biomass Baselines in Northern Minnesota, USA. <i>Canadian Journal of Remote Sensing</i> , 2017 , 43, 28-47	1.8	30
97	Evaluating Site-Specific and Generic Spatial Models of Aboveground Forest Biomass Based on Landsat Time-Series and LiDAR Strip Samples in the Eastern USA. <i>Remote Sensing</i> , 2017 , 9, 598	5	30
96	How Similar Are Forest Disturbance Maps Derived from Different Landsat Time Series Algorithms?. <i>Forests</i> , 2017 , 8, 98	2.8	108
95	Detecting Trends in Landuse and Landcover Change of Nech Sar National Park, Ethiopia. <i>Environmental Management</i> , 2016 , 57, 137-47	3.1	26
94	Landsat-based monitoring of annual wetland change in the Willamette Valley of Oregon, USA from 1972 to 2012. <i>Wetlands Ecology and Management</i> , 2016 , 24, 73-92	2.1	50
93	A forest vulnerability index based on drought and high temperatures. <i>Remote Sensing of Environment</i> , 2016 , 173, 314-325	13.2	51
92	Forest disturbance across the conterminous United States from 1985-2012: The emerging dominance of forest decline. <i>Forest Ecology and Management</i> , 2016 , 360, 242-252	3.9	172
91	The global Landsat archive: Status, consolidation, and direction. <i>Remote Sensing of Environment</i> , 2016 , 185, 271-283	13.2	379
90	Mapping post-fire habitat characteristics through the fusion of remote sensing tools. <i>Remote Sensing of Environment</i> , 2016 , 173, 294-303	13.2	31
89	Mapping Suitable Lewis's Woodpecker Nesting Habitat in a Post-Fire Landscape. <i>Northwest Science</i> , 2016 , 90, 421-432	0.8	5
88	Individual snag detection using neighborhood attribute filtered airborne lidar data. <i>Remote Sensing of Environment</i> , 2015 , 163, 165-179	13.2	43
87	Automated cloud and cloud shadow identification in Landsat MSS imagery for temperate ecosystems. <i>Remote Sensing of Environment</i> , 2015 , 169, 128-138	13.2	48
86	Observation of Trends in Biomass Loss as a Result of Disturbance in the Conterminous U.S.: 1986-2004. <i>Ecosystems</i> , 2014 , 17, 142-157	3.9	21
85	Bringing an ecological view of change to Landsat-based remote sensing. <i>Frontiers in Ecology and the Environment</i> , 2014 , 12, 339-346	5.5	219
84	Improving estimates of forest disturbance by combining observations from Landsat time series with U.S. Forest Service Forest Inventory and Analysis data. <i>Remote Sensing of Environment</i> , 2014 , 154, 61-73	13.2	40
83	Using Landsat-derived disturbance and recovery history and lidar to map forest biomass dynamics. <i>Remote Sensing of Environment</i> , 2014 , 151, 124-137	13.2	132

82	United States Forest Disturbance Trends Observed Using Landsat Time Series. <i>Ecosystems</i> , 2013 , 16, 1087-1104	3.9	113
81	Monitoring coniferous forest biomass change using a Landsat trajectory-based approach. <i>Remote Sensing of Environment</i> , 2013 , 139, 277-290	13.2	78
80	Estimation of crown biomass of <i>Pinus pinaster</i> stands and shrubland above-ground biomass using forest inventory data, remotely sensed imagery and spatial prediction models. <i>Ecological Modelling</i> , 2012 , 226, 22-35	3	58
79	Spatial and temporal patterns of forest disturbance and regrowth within the area of the Northwest Forest Plan. <i>Remote Sensing of Environment</i> , 2012 , 122, 117-133	13.2	169
78	Assessing the Carbon Consequences of Western Juniper (<i>Juniperus occidentalis</i>) Encroachment Across Oregon, USA. <i>Rangeland Ecology and Management</i> , 2012 , 65, 223-231	2.2	17
77	Prediction of understory vegetation cover with airborne lidar in an interior ponderosa pine forest. <i>Remote Sensing of Environment</i> , 2012 , 124, 730-741	13.2	98
76	Mapping change of older forest with nearest-neighbor imputation and Landsat time-series. <i>Forest Ecology and Management</i> , 2012 , 272, 13-25	3.9	35
75	Using Landsat-derived disturbance history (1972-2010) to predict current forest structure. <i>Remote Sensing of Environment</i> , 2012 , 122, 146-165	13.2	172
74	Opening the archive: How free data has enabled the science and monitoring promise of Landsat. <i>Remote Sensing of Environment</i> , 2012 , 122, 2-10	13.2	720
73	Modeling Percent Tree Canopy Cover. <i>Photogrammetric Engineering and Remote Sensing</i> , 2012 , 78, 715-728		137
72	Decadal trends in net ecosystem production and net ecosystem carbon balance for a regional socioecological system. <i>Forest Ecology and Management</i> , 2011 , 262, 1318-1325	3.9	36
71	Snow-covered Landsat time series stacks improve automated disturbance mapping accuracy in forested landscapes. <i>Remote Sensing of Environment</i> , 2011 , 115, 3203-3219	13.2	28
70	Comparison and assessment of coarse resolution land cover maps for Northern Eurasia. <i>Remote Sensing of Environment</i> , 2011 , 115, 3539-3553	13.2	64
69	A Landsat time series approach to characterize bark beetle and defoliator impacts on tree mortality and surface fuels in conifer forests. <i>Remote Sensing of Environment</i> , 2011 , 115, 3707-3718	13.2	165
68	Ecological importance of intermediate windstorms rivals large, infrequent disturbances in the northern Great Lakes. <i>Ecosphere</i> , 2011 , 2, art2	3.1	35
67	Northwest Forest Plan the first 15 years (1994-2008): status and trends of late-successional and old-growth forests 2011 ,		9
66	Underestimating risks to the northern spotted owl in fire-prone forests: response to Hanson et al. <i>Conservation Biology</i> , 2010 , 24, 330-3; discussion 334-7	6	21
65	Using remotely sensed data to construct and assess forest attribute maps and related spatial products. <i>Scandinavian Journal of Forest Research</i> , 2010 , 25, 340-367	1.7	91

64	Relationship between LiDAR-derived forest canopy height and Landsat images. <i>International Journal of Remote Sensing</i> , 2010 , 31, 1261-1280	3.1	40
63	Assessment of forest biomass for use as energy. GIS-based analysis of geographical availability and locations of wood-fired power plants in Portugal. <i>Applied Energy</i> , 2010 , 87, 2551-2560	10.7	145
62	Quantification of live aboveground forest biomass dynamics with Landsat time-series and field inventory data: A comparison of empirical modeling approaches. <i>Remote Sensing of Environment</i> , 2010 , 114, 1053-1068	13.2	328
61	Detecting trends in forest disturbance and recovery using yearly Landsat time series: 1. LandTrendr Temporal segmentation algorithms. <i>Remote Sensing of Environment</i> , 2010 , 114, 2897-2910	13.2	906
60	Detecting trends in forest disturbance and recovery using yearly Landsat time series: 2. TimeSync Tools for calibration and validation. <i>Remote Sensing of Environment</i> , 2010 , 114, 2911-2924	13.2	351
59	The Role of Remote Sensing in LTER Projects 2010 , 131-142		1
58	Remote sensing change detection tools for natural resource managers: Understanding concepts and tradeoffs in the design of landscape monitoring projects. <i>Remote Sensing of Environment</i> , 2009 , 113, 1382-1396	13.2	229
57	Distinguishing between live and dead standing tree biomass on the North Rim of Grand Canyon National Park, USA using small-footprint lidar data. <i>Remote Sensing of Environment</i> , 2009 , 113, 2499-2510	13.2	83
56	Forest Disturbance and North American Carbon Flux. <i>Eos</i> , 2008 , 89, 105	1.5	97
55	Free access to Landsat imagery. <i>Science</i> , 2008 , 320, 1011	33.3	580
54	Landsat continuity: Issues and opportunities for land cover monitoring. <i>Remote Sensing of Environment</i> , 2008 , 112, 955-969	13.2	357
53	The Relative Impact of Harvest and Fire upon Landscape-Level Dynamics of Older Forests: Lessons from the Northwest Forest Plan. <i>Ecosystems</i> , 2008 , 11, 1106-1119	3.9	50
52	Estimating proportional change in forest cover as a continuous variable from multi-year MODIS data. <i>Remote Sensing of Environment</i> , 2008 , 112, 735-749	13.2	34
51	North American forest disturbance mapped from a decadal Landsat record. <i>Remote Sensing of Environment</i> , 2008 , 112, 2914-2926	13.2	329
50	Spatial, spectral and temporal patterns of tropical forest cover change as observed with multiple scales of optical satellite data. <i>Remote Sensing of Environment</i> , 2007 , 106, 1-16	13.2	79
49	Trajectory-based change detection for automated characterization of forest disturbance dynamics. <i>Remote Sensing of Environment</i> , 2007 , 110, 370-386	13.2	315
48	Predicting temperate conifer forest successional stage distributions with multitemporal Landsat Thematic Mapper imagery. <i>Remote Sensing of Environment</i> , 2007 , 106, 228-237	13.2	55
47	Patterns of forest regrowth following clearcutting in western Oregon as determined from a Landsat time-series. <i>Forest Ecology and Management</i> , 2007 , 243, 259-273	3.9	78

46	Satellite-based peatland mapping: Potential of the MODIS sensor. <i>Global and Planetary Change</i> , 2007 , 56, 248-257	4.2	19
45	Using object-oriented classification and high-resolution imagery to map fuel types in a Mediterranean region. <i>Journal of Geophysical Research</i> , 2006 , 111,		28
44	Key issues in making and using satellite-based maps in ecology: A primer. <i>Forest Ecology and Management</i> , 2006 , 222, 167-181	3.9	74
43	Application of two regression-based methods to estimate the effects of partial harvest on forest structure using Landsat data. <i>Remote Sensing of Environment</i> , 2006 , 101, 115-126	13.2	95
42	Evaluation of MODIS NPP and GPP products across multiple biomes. <i>Remote Sensing of Environment</i> , 2006 , 102, 282-292	13.2	431
41	Radiometric correction of multi-temporal Landsat data for characterization of early successional forest patterns in western Oregon. <i>Remote Sensing of Environment</i> , 2006 , 103, 16-26	13.2	252
40	A Method to Efficiently Apply a Biogeochemical Model to a Landscape. <i>Landscape Ecology</i> , 2006 , 21, 213-224	4.3	12
39	Map Misclassification Can Cause Large Errors in Landscape Pattern Indices: Examples from Habitat Fragmentation. <i>Ecosystems</i> , 2006 , 9, 474-488	3.9	75
38	Modeling early forest succession following clear-cutting in western Oregon. <i>Canadian Journal of Forest Research</i> , 2005 , 35, 1889-1900	1.9	26
37	Estimates of forest canopy height and aboveground biomass using ICESat. <i>Geophysical Research Letters</i> , 2005 , 32, n/a-n/a	4.9	405
36	Patterns of covariance between forest stand and canopy structure in the Pacific Northwest. <i>Remote Sensing of Environment</i> , 2005 , 95, 517-531	13.2	77
35	Geographic variability in lidar predictions of forest stand structure in the Pacific Northwest. <i>Remote Sensing of Environment</i> , 2005 , 95, 532-548	13.2	99
34	Comparison of regression and geostatistical methods for mapping Leaf Area Index (LAI) with Landsat ETM+ data over a boreal forest. <i>Remote Sensing of Environment</i> , 2005 , 96, 49-61	13.2	74
33	Site-level evaluation of satellite-based global terrestrial gross primary production and net primary production monitoring. <i>Global Change Biology</i> , 2005 , 11, 666-684	11.4	264
32	Comparison of Tasseled Cap-based Landsat data structures for use in forest disturbance detection. <i>Remote Sensing of Environment</i> , 2005 , 97, 301-310	13.2	338
31	Recent History of Large-Scale Ecosystem Disturbances in North America Derived from the AVHRR Satellite Record. <i>Ecosystems</i> , 2005 , 8, 808-824	3.9	35
30	Carbon Stores, Sinks, and Sources in Forests of Northwestern Russia: Can We Reconcile Forest Inventories with Remote Sensing Results?. <i>Climatic Change</i> , 2004 , 67, 257-272	4.5	32
29	Hyperspectral versus multispectral data for estimating leaf area index in four different biomes. <i>Remote Sensing of Environment</i> , 2004 , 91, 508-520	13.2	155

28	Landsat's Role in Ecological Applications of Remote Sensing. <i>BioScience</i> , 2004 , 54, 535	5.7	526
27	High spatial resolution satellite observations for validation of MODIS land products: IKONOS observations acquired under the NASA Scientific Data Purchase. <i>Remote Sensing of Environment</i> , 2003 , 88, 100-110	13.2	26
26	Comparisons of land cover and LAI estimates derived from ETM+ and MODIS for four sites in North America: a quality assessment of 2000/2001 provisional MODIS products. <i>Remote Sensing of Environment</i> , 2003 , 88, 233-255	13.2	183
25	An improved strategy for regression of biophysical variables and Landsat ETM+ data. <i>Remote Sensing of Environment</i> , 2003 , 84, 561-571	13.2	317
24	LAND USE AND LAND COVER CHANGE IN THE GREATER YELLOWSTONE ECOSYSTEM: 1975-1995 2003 , 13, 687-703		57
23	Scaling Gross Primary Production (GPP) over boreal and deciduous forest landscapes in support of MODIS GPP product validation. <i>Remote Sensing of Environment</i> , 2003 , 88, 256-256	13.2	
22	Selection of Remotely Sensed Data 2003 , 13-46		27
21	Characterizing 23 Years (1972-95) of Stand Replacement Disturbance in Western Oregon Forests with Landsat Imagery. <i>Ecosystems</i> , 2002 , 5, 122-137	3.9	158
20	Lidar remote sensing of above-ground biomass in three biomes. <i>Global Ecology and Biogeography</i> , 2002 , 11, 393-399	6.1	326
19	Effects of spatial variability in light use efficiency on satellite-based NPP monitoring. <i>Remote Sensing of Environment</i> , 2002 , 80, 397-405	13.2	89
18	Integration of lidar and Landsat ETM+ data for estimating and mapping forest canopy height. <i>Remote Sensing of Environment</i> , 2002 , 82, 397-416	13.2	236
17	Ecological Causes and Consequences of Demographic Change in the New West. <i>BioScience</i> , 2002 , 52, 151	5.7	194
16	Lidar Remote Sensing for Ecosystem Studies. <i>BioScience</i> , 2002 , 52, 19	5.7	1084
15	Land cover mapping in an agricultural setting using multiseasonal Thematic Mapper data. <i>Remote Sensing of Environment</i> , 2001 , 76, 139-155	13.2	152
14	Monitoring large areas for forest change using Landsat: Generalization across space, time and Landsat sensors. <i>Remote Sensing of Environment</i> , 2001 , 78, 194-203	13.2	201
13	Alternative spatial resolutions and estimation of carbon flux over a managed forest landscape in Western Oregon. <i>Landscape Ecology</i> , 2000 , 15, 441-452	4.3	56
12	Coordinating Methodologies for Scaling Landcover Classifications from Site-Specific to Global. <i>Remote Sensing of Environment</i> , 1999 , 70, 16-28	13.2	222
11	Relationships between Leaf Area Index and Landsat TM Spectral Vegetation Indices across Three Temperate Zone Sites. <i>Remote Sensing of Environment</i> , 1999 , 70, 52-68	13.2	437

10	Multiscale Assessment of Binary and Continuous Landcover Variables for MODIS Validation, Mapping, and Modeling Applications. <i>Remote Sensing of Environment</i> , 1999 , 70, 82-98	13.2	35
9	Use of Large-Footprint Scanning Airborne Lidar To Estimate Forest Stand Characteristics in the Western Cascades of Oregon. <i>Remote Sensing of Environment</i> , 1999 , 67, 298-308	13.2	351
8	Detecting landscape changes in the interior of British Columbia from 1975 to 1992 using satellite imagery. <i>Canadian Journal of Forest Research</i> , 1998 , 28, 23-36	1.9	56
7	Empirical methods to compensate for a view-angle-dependent brightness gradient in AVIRIS imagery. <i>Remote Sensing of Environment</i> , 1997 , 62, 277-291	13.2	52
6	Two Decades of Carbon Flux from Forests of the Pacific Northwest. <i>BioScience</i> , 1996 , 46, 836-844	5.7	100
5	An Introduction to Digital Methods in Remote Sensing of Forested Ecosystems: Focus on the Pacific Northwest, USA. <i>Environmental Management</i> , 1996 , 20, 421-35	3.1	15
4	Estimating structural attributes of Douglas-fir/western hemlock forest stands from landsat and SPOT imagery. <i>Remote Sensing of Environment</i> , 1992 , 41, 1-17	13.2	245
3	Water-stress effects on heating-related water transport in woody plants. <i>Canadian Journal of Forest Research</i> , 1991 , 21, 199-206	1.9	5
2	Temporal versus spatial variation in leaf reflectance under changing water stress conditions. <i>International Journal of Remote Sensing</i> , 1991 , 12, 1865-1876	3.1	64
1	Semivariograms of digital imagery for analysis of conifer canopy structure. <i>Remote Sensing of Environment</i> , 1990 , 34, 167-178	13.2	225