

Michael A Wulder

List of Publications by Year in descending order

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375
papers

31,127
citations

4658

85
h-index

5679

162
g-index

380
all docs

380
docs citations

380
times ranked

18610
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-sensor change detection for within-year capture and labelling of forest disturbance. Remote Sensing of Environment, 2022, 268, 112741.	11.0	34
2	Land cover classification in an era of big and open data: Optimizing localized implementation and training data selection to improve mapping outcomes. Remote Sensing of Environment, 2022, 268, 112780.	11.0	61
3	Biophysical Determinants of Shifting Tundra Vegetation Productivity in the Beaufort Delta Region of Canada. Ecosystems, 2022, 25, 1435-1454.	3.4	3
4	An open science and open data approach for the statistically robust estimation of forest disturbance areas. International Journal of Applied Earth Observation and Geoinformation, 2022, 106, 102663.	2.8	9
5	Mapping, validating, and interpreting spatio-temporal trends in post-disturbance forest recovery. Remote Sensing of Environment, 2022, 271, 112904.	11.0	37
6	Evaluating ICESat-2 for monitoring, modeling, and update of large area forest canopy height products. Remote Sensing of Environment, 2022, 271, 112919.	11.0	22
7	Forest Data to Insights and Experiences Using Gamification. Frontiers in Forests and Global Change, 2022, 5, .	2.3	0
8	Seeing Our Planet Anew: Fifty Years of Landsat. Photogrammetric Engineering and Remote Sensing, 2022, 88, 429-436.	0.6	3
9	Estimation of land-use/land-cover changes associated with energy footprints and other disturbance agents in the Upper Peace Region of Alberta Canada from 1985 to 2015 using Landsat data. International Journal of Applied Earth Observation and Geoinformation, 2021, 94, 102224.	2.8	18
10	Land cover harmonization using Latent Dirichlet Allocation. International Journal of Geographical Information Science, 2021, 35, 348-374.	4.8	13
11	Estimating Changes in Forest Attributes and Enhancing Growth Projections: a Review of Existing Approaches and Future Directions Using Airborne 3D Point Cloud Data. Current Forestry Reports, 2021, 7, 1-24.	7.4	28
12	Quantifying the precision of forest stand height and canopy cover estimates derived from air photo interpretation. Forestry, 2021, 94, 611-629.	2.3	8
13	Biophysical controls of increased tundra productivity in the western Canadian Arctic. Remote Sensing of Environment, 2021, 258, 112358.	11.0	12
14	Modelling lidar-derived estimates of forest attributes over space and time: A review of approaches and future trends. Remote Sensing of Environment, 2021, 260, 112477.	11.0	123
15	Mapping dynamic peri-urban land use transitions across Canada using Landsat time series: Spatial and temporal trends and associations with socio-demographic factors. Computers, Environment and Urban Systems, 2021, 88, 101653.	7.1	15
16	Augmenting Landsat time series with Harmonized Landsat Sentinel-2 data products: Assessment of spectral correspondence. Science of Remote Sensing, 2021, 4, 100031.	4.8	15
17	Update and spatial extension of strategic forest inventories using time series remote sensing and modeling. International Journal of Applied Earth Observation and Geoinformation, 2020, 84, 101956.	2.8	10
18	Forest Road Status Assessment Using Airborne Laser Scanning. Forest Science, 2020, 66, 501-508.	1.0	6

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19	Discriminating treed and non-treed wetlands in boreal ecosystems using time series Sentinel-1 data. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2020, 85, 102007.	2.8	15
20	The urban greenness score: A satellite-based metric for multi-decadal characterization of urban land dynamics. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2020, 93, 102210.	2.8	18
21	Landsat 9: Empowering open science and applications through continuity. <i>Remote Sensing of Environment</i> , 2020, 248, 111968.	11.0	174
22	Spatially-Explicit Prediction of Wildfire Burn Probability Using Remotely-Sensed and Ancillary Data. <i>Canadian Journal of Remote Sensing</i> , 2020, 46, 313-329.	2.4	16
23	Extending Estimates of Tree and Tree Species Presence-Absence through Space and Time Using Landsat Composites. <i>Canadian Journal of Remote Sensing</i> , 2020, 46, 567-584.	2.4	4
24	Change in forest condition: Characterizing non-stand replacing disturbances using time series satellite imagery. <i>Forest Ecology and Management</i> , 2020, 474, 118370.	3.2	43
25	Optimizing Landsat time series length for regional mapping of lidar-derived forest structure. <i>Remote Sensing of Environment</i> , 2020, 239, 111645.	11.0	23
26	Accurate derivation of stem curve and volume using backpack mobile laser scanning. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020, 161, 246-262.	11.1	77
27	Near Real-Time Wildfire Progression Monitoring with Sentinel-1 SAR Time Series and Deep Learning. <i>Scientific Reports</i> , 2020, 10, 1322.	3.3	124
28	Satellite-based time series land cover and change information to map forest area consistent with national and international reporting requirements. <i>Forestry</i> , 2020, 93, 331-343.	2.3	15
29	Under-canopy UAV laser scanning for accurate forest field measurements. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020, 164, 41-60.	11.1	83
30	Uncovering spatial and ecological variability in gap size frequency distributions in the Canadian boreal forest. <i>Scientific Reports</i> , 2020, 10, 6069.	3.3	38
31	Biomass status and dynamics over Canada's forests: Disentangling disturbed area from associated aboveground biomass consequences. <i>Environmental Research Letters</i> , 2020, 15, 094093.	5.2	28
32	Using annual Landsat imagery to identify harvesting over a range of intensities for non-industrial family forests. <i>Landscape and Urban Planning</i> , 2019, 188, 143-150.	7.5	7
33	Grizzly bear selection of recently harvested forests is dependent on forest recovery rate and landscape composition. <i>Forest Ecology and Management</i> , 2019, 449, 117459.	3.2	13
34	Considering spatiotemporal processes in big data analysis: Insights from remote sensing of land cover and land use. <i>Transactions in GIS</i> , 2019, 23, 879-891.	2.3	43
35	Generating intra-year metrics of wildfire progression using multiple open-access satellite data streams. <i>Remote Sensing of Environment</i> , 2019, 232, 111295.	11.0	31
36	Detecting change-point, trend, and seasonality in satellite time series data to track abrupt changes and nonlinear dynamics: A Bayesian ensemble algorithm. <i>Remote Sensing of Environment</i> , 2019, 232, 111181.	11.0	159

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37	Satellite time series can guide forest restoration. <i>Nature</i> , 2019, 569, 630-630.	27.8	14
38	Assessing the Effects of Sample Size on Parametrizing a Taper Curve Equation and the Resultant Stem-Volume Estimates. <i>Forests</i> , 2019, 10, 848.	2.1	11
39	Prevalence of multiple forest disturbances and impact on vegetation regrowth from interannual Landsat time series (1985–2015). <i>Remote Sensing of Environment</i> , 2019, 233, 111403.	11.0	35
40	Assessing spectral measures of post-harvest forest recovery with field plot data. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2019, 80, 102-114.	2.8	15
41	Pre-stratified modelling plus residuals kriging reduces the uncertainty of aboveground biomass estimation and spatial distribution in heterogeneous savannas and forest environments. <i>Forest Ecology and Management</i> , 2019, 445, 96-109.	3.2	14
42	Breaking the Habit(at). <i>Trends in Ecology and Evolution</i> , 2019, 34, 585-587.	8.7	33
43	Demonstrating the transferability of forest inventory attribute models derived using airborne laser scanning data. <i>Remote Sensing of Environment</i> , 2019, 227, 110-124.	11.0	56
44	Uncovering regional variability in disturbance trends between parks and greater park ecosystems across Canada (1985–2015). <i>Scientific Reports</i> , 2019, 9, 1323.	3.3	7
45	Current status of Landsat program, science, and applications. <i>Remote Sensing of Environment</i> , 2019, 225, 127-147.	11.0	586
46	Object-based random forest modelling of aboveground forest biomass outperforms a pixel-based approach in a heterogeneous and mountain tropical environment. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2019, 78, 175-188.	2.8	59
47	Benefits of the free and open Landsat data policy. <i>Remote Sensing of Environment</i> , 2019, 224, 382-385.	11.0	291
48	Comparison and Assessment of Regional and Global Land Cover Datasets for Use in CLASS over Canada. <i>Remote Sensing</i> , 2019, 11, 2286.	4.0	7
49	Quantifying the contribution of spectral metrics derived from digital aerial photogrammetry to area-based models of forest inventory attributes. <i>Remote Sensing of Environment</i> , 2019, 234, 111434.	11.0	17
50	Impact of time on interpretations of forest fragmentation: Three-decades of fragmentation dynamics over Canada. <i>Remote Sensing of Environment</i> , 2019, 222, 65-77.	11.0	43
51	Multi-sensor, multi-scale, Bayesian data synthesis for mapping within-year wildfire progression. <i>Remote Sensing Letters</i> , 2019, 10, 302-311.	1.4	37
52	Disturbance-Informed Annual Land Cover Classification Maps of Canada's Forested Ecosystems for a 29-Year Landsat Time Series. <i>Canadian Journal of Remote Sensing</i> , 2018, 44, 67-87.	2.4	146
53	Land cover 2.0. <i>International Journal of Remote Sensing</i> , 2018, 39, 4254-4284.	2.9	261
54	Comparison of airborne laser scanning and digital stereo imagery for characterizing forest canopy gaps in coastal temperate rainforests. <i>Remote Sensing of Environment</i> , 2018, 208, 1-14.	11.0	75

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55	Updating stand-level forest inventories using airborne laser scanning and Landsat time series data. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2018, 66, 174-183.	2.8	33
56	Changing northern vegetation conditions are influencing barren ground caribou (<i>Rangifer</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	3.0	14
57	Large-area mapping of Canadian boreal forest cover, height, biomass and other structural attributes using Landsat composites and lidar plots. <i>Remote Sensing of Environment</i> , 2018, 209, 90-106.	11.0	171
58	Analyzing spatial and temporal variability in short-term rates of post-fire vegetation return from Landsat time series. <i>Remote Sensing of Environment</i> , 2018, 205, 32-45.	11.0	81
59	Reply to Vauhkonen: Comment on Tompalski et al. Combining Multi-Date Airborne Laser Scanning and Digital Aerial Photogrammetric Data for Forest Growth and Yield Modelling. <i>Remote Sens.</i> 2018, 10, 347. <i>Remote Sensing</i> , 2018, 10, 1432.	4.0	0
60	Context and Opportunities for Expanding Protected Areas in Canada. <i>Land</i> , 2018, 7, 137.	2.9	6
61	Evidence of vegetation greening at alpine treeline ecotones: three decades of Landsat spectral trends informed by lidar-derived vertical structure. <i>Environmental Research Letters</i> , 2018, 13, 084022.	5.2	30
62	A thirty year, fine-scale, characterization of area burned in Canadian forests shows evidence of regionally increasing trends in the last decade. <i>PLoS ONE</i> , 2018, 13, e0197218.	2.5	58
63	Developing 5m resolution canopy height and digital terrain models from WorldView and ArcticDEM data. <i>Remote Sensing of Environment</i> , 2018, 218, 174-188.	11.0	20
64	A National Assessment of Wetland Status and Trends for Canada's Forested Ecosystems Using 33 Years of Earth Observation Satellite Data. <i>Remote Sensing</i> , 2018, 10, 1623.	4.0	42
65	Assessing Biodiversity in Boreal Forests with UAV-Based Photogrammetric Point Clouds and Hyperspectral Imaging. <i>Remote Sensing</i> , 2018, 10, 338.	4.0	61
66	Using Spatial Features to Reduce the Impact of Seasonality for Detecting Tropical Forest Changes from Landsat Time Series. <i>Remote Sensing</i> , 2018, 10, 808.	4.0	19
67	Combining Multi-Date Airborne Laser Scanning and Digital Aerial Photogrammetric Data for Forest Growth and Yield Modelling. <i>Remote Sensing</i> , 2018, 10, 347.	4.0	44
68	Aboveground forest biomass derived using multiple dates of WorldView-2 stereo-imagery: quantifying the improvement in estimation accuracy. <i>International Journal of Remote Sensing</i> , 2018, 39, 8766-8783.	2.9	15
69	Confirmation of post-harvest spectral recovery from Landsat time series using measures of forest cover and height derived from airborne laser scanning data. <i>Remote Sensing of Environment</i> , 2018, 216, 262-275.	11.0	60
70	Three decades of forest structural dynamics over Canada's forested ecosystems using Landsat time-series and lidar plots. <i>Remote Sensing of Environment</i> , 2018, 216, 697-714.	11.0	99
71	Landsat archive holdings for Finland: opportunities for forest monitoring. <i>Silva Fennica</i> , 2018, 52, .	1.3	10
72	Assessing variability in post-fire forest structure along gradients of productivity in the Canadian boreal using multi-source remote sensing. <i>Journal of Biogeography</i> , 2017, 44, 1294-1305.	3.0	28

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73	Characterizing streams and riparian areas with airborne laser scanning data. <i>Remote Sensing of Environment</i> , 2017, 192, 73-86.	11.0	29
74	A nationwide annual characterization of 25 years of forest disturbance and recovery for Canada using Landsat time series. <i>Remote Sensing of Environment</i> , 2017, 194, 303-321.	11.0	250
75	Utilization of Landsat data to quantify land-use and land-cover changes related to oil and gas activities in West-Central Alberta from 2005 to 2013. <i>GIScience and Remote Sensing</i> , 2017, 54, 700-720.	5.9	21
76	Global Spatialâ€“Temporal Variability in Terrestrial Productivity and Phenology Regimes between 2000 and 2012. <i>Annals of the American Association of Geographers</i> , 2017, 107, 1519-1537.	2.2	5
77	Changing Trends of Biomass and Carbon Pools in Mediterranean Pine Forests. <i>Managing Forest Ecosystems</i> , 2017, , 119-149.	0.9	0
78	Characterizing spatial-temporal patterns of landscape disturbance and recovery in western Alberta, Canada using a functional data analysis approach and remotely sensed data. <i>Ecological Informatics</i> , 2017, 39, 140-150.	5.2	10
79	A multi-scale analysis of western spruce budworm outbreak dynamics. <i>Landscape Ecology</i> , 2017, 32, 501-514.	4.2	25
80	A conservation assessment of Canada's boreal forest incorporating alternate climate change scenarios. <i>Remote Sensing in Ecology and Conservation</i> , 2017, 3, 202-216.	4.3	6
81	Regression Tree Modeling of Spatial Pattern and Process Interactions. , 2017, , 187-212.		2
82	Updating Landsat time series of surface-reflectance composites and forest change products with new observations. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2017, 63, 104-111.	2.8	32
83	Barrenâ€“ground caribou (<i>Rangifer tarandus groenlandicus</i>) behaviour after recent fire events; integrating caribou telemetry data with Landsat fire detection techniques. <i>Global Change Biology</i> , 2017, 23, 1036-1047.	9.5	21
84	Classification of annual non-stand replacing boreal forest change in Canada using Landsat time series: a case study in northern Ontario. <i>Remote Sensing Letters</i> , 2017, 8, 29-37.	1.4	19
85	A space-time data cube: Multi-temporal forest structure maps from landsat and lidar. , 2017, , .		1
86	Differentiation of Alternate Harvesting Practices Using Annual Time Series of Landsat Data. <i>Forests</i> , 2017, 8, 15.	2.1	19
87	Assessing Precision in Conventional Field Measurements of Individual Tree Attributes. <i>Forests</i> , 2017, 8, 38.	2.1	80
88	Forest Connectivity Regions of Canada Using Circuit Theory and Image Analysis. <i>PLoS ONE</i> , 2017, 12, e0169428.	2.5	11
89	Estimating changes in lichen mat volume through time and related effects on barren ground caribou (<i>Rangifer tarandus groenlandicus</i>) movement. <i>PLoS ONE</i> , 2017, 12, e0172669.	2.5	12
90	Enhancing Forest Growth and Yield Predictions with Airborne Laser Scanning Data: Increasing Spatial Detail and Optimizing Yield Curve Selection through Template Matching. <i>Forests</i> , 2016, 7, 255.	2.1	27

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91	An Approach for Determining Relationships Between Disturbance and Habitat Selection Using Bi-weekly Synthetic Images and Telemetry Data. <i>Remote Sensing and Digital Image Processing</i> , 2016, , 341-356.	0.7	0
92	Improving carbon monitoring and reporting in forests using spatially-explicit information. <i>Carbon Balance and Management</i> , 2016, 11, 23.	3.2	18
93	Evaluating Nature Reserve Design Efficacy in the Canadian Boreal Forest Using Time Series AVHRR Data. <i>Canadian Journal of Remote Sensing</i> , 2016, 42, 171-189.	2.4	4
94	Using Landsat to Assess the Relationship Between Spatiotemporal Patterns of Western Spruce Budworm Outbreaks and Regional-Scale Weather Variability. <i>Canadian Journal of Remote Sensing</i> , 2016, 42, 706-718.	2.4	13
95	Development of Height-Volume Relationships in Second Growth <i>Abies grandis</i> for Use with Aerial LiDAR. <i>Canadian Journal of Remote Sensing</i> , 2016, 42, 400-410.	2.4	17
96	Remote Sensing Technologies for Enhancing Forest Inventories: A Review. <i>Canadian Journal of Remote Sensing</i> , 2016, 42, 619-641.	2.4	493
97	Integration of Landsat time series and field plots for forest productivity estimates in decision support models. <i>Forest Ecology and Management</i> , 2016, 376, 284-297.	3.2	32
98	Mass data processing of time series Landsat imagery: pixels to data products for forest monitoring. <i>International Journal of Digital Earth</i> , 2016, 9, 1035-1054.	3.9	175
99	Trends in post-disturbance recovery rates of Canada's forests following wildfire and harvest. <i>Forest Ecology and Management</i> , 2016, 361, 194-207.	3.2	139
100	Extending Airborne Lidar-Derived Estimates of Forest Canopy Cover and Height Over Large Areas Using kNN With Landsat Time Series Data. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016, 9, 3489-3496.	4.9	15
101	Optical remotely sensed time series data for land cover classification: A review. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2016, 116, 55-72.	11.1	771
102	Integrating Landsat pixel composites and change metrics with lidar plots to predictively map forest structure and aboveground biomass in Saskatchewan, Canada. <i>Remote Sensing of Environment</i> , 2016, 176, 188-201.	11.0	105
103	Forest recovery trends derived from Landsat time series for North American boreal forests. <i>International Journal of Remote Sensing</i> , 2016, 37, 138-149.	2.9	113
104	Forest stand age classification using time series of photogrammetrically derived digital surface models. <i>Scandinavian Journal of Forest Research</i> , 2016, 31, 194-205.	1.4	24
105	Using multi-source data to map and model the predisposition of forests to wind disturbance. <i>Scandinavian Journal of Forest Research</i> , 2016, 31, 66-79.	1.4	12
106	The global Landsat archive: Status, consolidation, and direction. <i>Remote Sensing of Environment</i> , 2016, 185, 271-283.	11.0	505
107	Effect of topographic correction on forest change detection using spectral trend analysis of Landsat pixel-based composites. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2016, 44, 186-194.	2.8	34
108	Estimating Forest Site Productivity Using Airborne Laser Scanning Data and Landsat Time Series. <i>Canadian Journal of Remote Sensing</i> , 2015, 41, 232-245.	2.4	22

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109	Evaluating the impact of leaf-on and leaf-off airborne laser scanning data on the estimation of forest inventory attributes with the area-based approach. <i>Canadian Journal of Forest Research</i> , 2015, 45, 1498-1513.	1.7	40
110	Augmenting Site Index Estimation with Airborne Laser Scanning Data. <i>Forest Science</i> , 2015, 61, 861-873.	1.0	22
111	Crown-fibre attribute relationships for enhanced forest inventory: Progress and prospects. <i>Forestry Chronicle</i> , 2015, 91, 266-279.	0.6	14
112	Enriching ALS-Derived Area-Based Estimates of Volume through Tree-Level Downscaling. <i>Forests</i> , 2015, 6, 2608-2630.	2.1	22
113	Comparing ALS and Image-Based Point Cloud Metrics and Modelled Forest Inventory Attributes in a Complex Coastal Forest Environment. <i>Forests</i> , 2015, 6, 3704-3732.	2.1	121
114	Characterizing stand-level forest canopy cover and height using Landsat time series, samples of airborne LiDAR, and the Random Forest algorithm. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2015, 101, 89-101.	11.1	132
115	Combining satellite lidar, airborne lidar, and ground plots to estimate the amount and distribution of aboveground biomass in the boreal forest of North America. <i>Canadian Journal of Forest Research</i> , 2015, 45, 838-855.	1.7	78
116	Characterizing residual structure and forest recovery following high-severity fire in the western boreal of Canada using Landsat time-series and airborne lidar data. <i>Remote Sensing of Environment</i> , 2015, 163, 48-60.	11.0	102
117	Spatial data, analysis approaches, and information needs for spatial ecosystem service assessments: a review. <i>GIScience and Remote Sensing</i> , 2015, 52, 344-373.	5.9	97
118	Characterizing spectral-temporal patterns of defoliator and bark beetle disturbances using Landsat time series. <i>Remote Sensing of Environment</i> , 2015, 170, 166-177.	11.0	104
119	Regional detection, characterization, and attribution of annual forest change from 1984 to 2012 using Landsat-derived time-series metrics. <i>Remote Sensing of Environment</i> , 2015, 170, 121-132.	11.0	226
120	Integrated Object-Based Spatiotemporal Characterization of Forest Change from an Annual Time Series of Landsat Image Composites. <i>Canadian Journal of Remote Sensing</i> , 2015, 41, 271-292.	2.4	10
121	Large Area Mapping of Annual Land Cover Dynamics Using Multitemporal Change Detection and Classification of Landsat Time Series Data. <i>Canadian Journal of Remote Sensing</i> , 2015, 41, 293-314.	2.4	65
122	Virtual constellations for global terrestrial monitoring. <i>Remote Sensing of Environment</i> , 2015, 170, 62-76.	11.0	158
123	Boreal Shield forest disturbance and recovery trends using Landsat time series. <i>Remote Sensing of Environment</i> , 2015, 170, 317-327.	11.0	62
124	Mapping Dominant Tree Species over Large Forested Areas Using Landsat Best-Available-Pixel Image Composites. <i>Canadian Journal of Remote Sensing</i> , 2015, 41, 203-218.	2.4	24
125	Indicators of vegetation productivity under a changing climate in British Columbia, Canada. <i>Applied Geography</i> , 2015, 56, 135-144.	3.7	8
126	An integrated Landsat time series protocol for change detection and generation of annual gap-free surface reflectance composites. <i>Remote Sensing of Environment</i> , 2015, 158, 220-234.	11.0	243

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127	Estimation of Airborne Lidar-Derived Tropical Forest Canopy Height Using Landsat Time Series in Cambodia. <i>Remote Sensing</i> , 2014, 6, 10750-10772.	4.0	29
128	Interpretation of forest disturbance using a time series of Landsat imagery and canopy structure from airborne lidar. <i>Canadian Journal of Remote Sensing</i> , 2014, 39, 521-542.	2.4	31
129	Protected areas in boreal Canada: a baseline and considerations for the continued development of a representative and effective reserve network. <i>Environmental Reviews</i> , 2014, 22, 135-160.	4.5	33
130	Characterizing a Decade of Disturbance Events Using Landsat and MODIS Satellite Imagery in Western Alberta, Canada for Grizzly Bear Management. <i>Canadian Journal of Remote Sensing</i> , 2014, 40, 336-347.	2.4	6
131	Shoreline Change and Coastal Vulnerability Characterization with Landsat Imagery: A Case Study in the Outer Hebrides, Scotland. <i>Scottish Geographical Journal</i> , 2014, 130, 279-299.	1.1	14
132	Geographic analysis of the impacts of mountain pine beetle infestation on forest fire ignition. <i>Canadian Geographer / Géographie Canadienne</i> , 2014, 58, 188-202.	1.5	11
133	Pixel-Based Image Compositing for Large-Area Dense Time Series Applications and Science. <i>Canadian Journal of Remote Sensing</i> , 2014, 40, 192-212.	2.4	302
134	Forest Monitoring Using Landsat Time Series Data: A Review. <i>Canadian Journal of Remote Sensing</i> , 2014, 40, 362-384.	2.4	274
135	Fine-spatial scale predictions of understory species using climate- and LiDAR-derived terrain and canopy metrics. <i>Journal of Applied Remote Sensing</i> , 2014, 8, 083572.	1.3	23
136	Predicting Climate Change Impacts to the Canadian Boreal Forest. <i>Diversity</i> , 2014, 6, 133-157.	1.7	24
137	Landsat-8: Science and product vision for terrestrial global change research. <i>Remote Sensing of Environment</i> , 2014, 145, 154-172.	11.0	1,599
138	Good practices for estimating area and assessing accuracy of land change. <i>Remote Sensing of Environment</i> , 2014, 148, 42-57.	11.0	1,793
139	Historical forest biomass dynamics modelled with Landsat spectral trajectories. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2014, 93, 14-28.	11.1	52
140	Characterization of aboveground biomass in an unmanaged boreal forest using Landsat temporal segmentation metrics. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2014, 92, 137-146.	11.1	63
141	The Landsat observation record of Canada: 1972–2012. <i>Canadian Journal of Remote Sensing</i> , 2014, 39, 455-467.	2.4	40
142	Monitoring of a National-Scale Indirect Indicator of Biodiversity Using a Long Time-Series of Remotely Sensed Imagery. <i>Canadian Journal of Remote Sensing</i> , 2014, 40, 179-191.	2.4	14
143	Bringing an ecological view of change to Landsat-based remote sensing. <i>Frontiers in Ecology and the Environment</i> , 2014, 12, 339-346.	4.0	285
144	Estimating moose (<i>Alces alces</i>) occurrence and abundance from remotely derived environmental indicators. <i>Remote Sensing of Environment</i> , 2014, 152, 190-201.	11.0	26

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145	Circuit theory emphasizes the importance of edge-crossing decisions in dispersal-scale movements of a forest passerine. <i>Landscape Ecology</i> , 2014, 29, 831-841.	4.2	22
146	Potential contributions of remote sensing to ecosystem service assessments. <i>Progress in Physical Geography</i> , 2014, 38, 328-353.	3.2	126
147	Simulating the impacts of error in species and height upon tree volume derived from airborne laser scanning data. <i>Forest Ecology and Management</i> , 2014, 327, 167-177.	3.2	43
148	Monitoring plant condition and phenology using infrared sensitive consumer grade digital cameras. <i>Agricultural and Forest Meteorology</i> , 2014, 184, 98-106.	4.8	113
149	Satellites: Make Earth observations open access. <i>Nature</i> , 2014, 513, 30-31.	27.8	182
150	Integration of Lidar and Landsat Data to Estimate Forest Canopy Cover in Coastal British Columbia. <i>Photogrammetric Engineering and Remote Sensing</i> , 2014, 80, 953-961.	0.6	18
151	Applying Circuit Theory for Corridor Expansion and Management at Regional Scales: Tiling, Pinch Points, and Omnidirectional Connectivity. <i>PLoS ONE</i> , 2014, 9, e84135.	2.5	104
152	Measuring forest structure along productivity gradients in the Canadian boreal with small-footprint Lidar. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 6617-6634.	2.7	31
153	An approach using Dempster-Shafer theory to fuse spatial data and satellite image derived crown metrics for estimation of forest stand leading species. <i>Information Fusion</i> , 2013, 14, 384-395.	19.1	13
154	A remote sensing approach to biodiversity assessment and regionalization of the Canadian boreal forest. <i>Progress in Physical Geography</i> , 2013, 37, 36-62.	3.2	32
155	Taking stock of circumboreal forest carbon with ground measurements, airborne and spaceborne LiDAR. <i>Remote Sensing of Environment</i> , 2013, 137, 274-287.	11.0	85
156	Automated reconstruction of tree and canopy structure for modeling the internal canopy radiation regime. <i>Remote Sensing of Environment</i> , 2013, 136, 286-300.	11.0	34
157	Integrating airborne LiDAR and space-borne radar via multivariate kriging to estimate above-ground biomass. <i>Remote Sensing of Environment</i> , 2013, 139, 340-352.	11.0	68
158	Augmenting forest inventory attributes with geometric optical modelling in support of regional susceptibility assessments to bark beetle infestations. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2013, 21, 444-452.	2.8	5
159	Vegetation phenology can be captured with digital repeat photography and linked to variability of root nutrition in <i>edysarum alpinum</i> . <i>Applied Vegetation Science</i> , 2013, 16, 317-324.	1.9	22
160	Ecosystem classifications based on summer and winter conditions. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 3057-3079.	2.7	8
161	Quantifying grizzly bear selection of natural and anthropogenic edges. <i>Journal of Wildlife Management</i> , 2013, 77, 957-964.	1.8	77
162	Exploring the ecological processes driving geographical patterns of breeding bird richness in British Columbia, Canada. <i>Ecological Applications</i> , 2013, 23, 888-903.	3.8	15

#	ARTICLE	IF	CITATIONS
163	A GIS-based risk rating of forest insect outbreaks using aerial overview surveys and the local Moran's I statistic. <i>Applied Geography</i> , 2013, 40, 161-170.	3.7	55
164	Integrating accessibility and intactness into large-area conservation planning in the Canadian boreal forest. <i>Biological Conservation</i> , 2013, 167, 371-379.	4.1	18
165	Forest inventory stand height estimates from very high spatial resolution satellite imagery calibrated with lidar plots. <i>International Journal of Remote Sensing</i> , 2013, 34, 4406-4424.	2.9	22
166	Biodiversity Indicators Show Climate Change Will Alter Vegetation in Parks and Protected Areas. <i>Diversity</i> , 2013, 5, 352-373.	1.7	11
167	Airborne laser scanning and digital stereo imagery measures of forest structure: comparative results and implications to forest mapping and inventory update. <i>Canadian Journal of Remote Sensing</i> , 2013, 39, 382-395.	2.4	165
168	Investigating the agreement between global canopy height maps and airborne Lidar derived height estimates over Canada. <i>Canadian Journal of Remote Sensing</i> , 2013, 39, S139-S151.	2.4	26
169	Status and prospects for LiDAR remote sensing of forested ecosystems. <i>Canadian Journal of Remote Sensing</i> , 2013, 39, S1-S5.	2.4	92
170	Prediction of Wood Fiber Attributes from LiDAR-Derived Forest Canopy Indicators. <i>Forest Science</i> , 2013, 59, 231-242.	1.0	26
171	The Utility of Image-Based Point Clouds for Forest Inventory: A Comparison with Airborne Laser Scanning. <i>Forests</i> , 2013, 4, 518-536.	2.1	249
172	A best practices guide for generating forest inventory attributes from airborne laser scanning data using an area-based approach. <i>Forestry Chronicle</i> , 2013, 89, 722-723.	0.6	181
173	Impact of Forest Fragmentation on Patterns of Mountain Pine Beetle-Caused Tree Mortality. <i>Forests</i> , 2013, 4, 279-295.	2.1	21
174	Area-Based Mapping of Defoliation of Scots Pine Stands Using Airborne Scanning LiDAR. <i>Remote Sensing</i> , 2013, 5, 1220-1234.	4.0	28
175	Modeling Stand Height, Volume, and Biomass from Very High Spatial Resolution Satellite Imagery and Samples of Airborne LiDAR. <i>Remote Sensing</i> , 2013, 5, 2308-2326.	4.0	47
176	Characterizing 25 years of change in the area, distribution, and carbon stock of Mediterranean pines in Central Spain. <i>International Journal of Remote Sensing</i> , 2012, 33, 5546-5573.	2.9	24
177	Spatial and temporal patterns of wildfire ignitions in Canada from 1980 to 2006. <i>International Journal of Wildland Fire</i> , 2012, 21, 230.	2.4	50
178	Comparison of Terrestrial and Airborne LiDAR in Describing Stand Structure of a Thinned Lodgepole Pine Forest. <i>Journal of Forestry</i> , 2012, 110, 97-104.	1.0	34
179	Modeling Forest Structural Parameters in the Mediterranean Pines of Central Spain using QuickBird-2 Imagery and Classification and Regression Tree Analysis (CART). <i>Remote Sensing</i> , 2012, 4, 135-159.	4.0	37
180	A simple technique for co-registration of terrestrial LiDAR observations for forestry applications. <i>Remote Sensing Letters</i> , 2012, 3, 239-247.	1.4	44

#	ARTICLE	IF	CITATIONS
181	Subalpine zone delineation using LiDAR and Landsat imagery. <i>Remote Sensing of Environment</i> , 2012, 119, 11-20.	11.0	27
182	Generation of a novel 1km NDVI data set over Canada, the northern United States, and Greenland based on historical AVHRR data. <i>Remote Sensing of Environment</i> , 2012, 121, 171-185.	11.0	31
183	Lidar sampling for large-area forest characterization: A review. <i>Remote Sensing of Environment</i> , 2012, 121, 196-209.	11.0	553
184	Lidar calibration and validation for geometric-optical modeling with Landsat imagery. <i>Remote Sensing of Environment</i> , 2012, 124, 384-393.	11.0	19
185	Linking ground-based to satellite-derived phenological metrics in support of habitat assessment. <i>Remote Sensing Letters</i> , 2012, 3, 191-200.	1.4	49
186	Assessing the impact of N-fertilization on biochemical composition and biomass of a Douglas-fir canopyâ€”A remote sensing approach. <i>Agricultural and Forest Meteorology</i> , 2012, 153, 124-133.	4.8	14
187	Impact of disturbance characteristics and age on grizzly bear habitat selection. <i>Applied Geography</i> , 2012, 34, 614-625.	3.7	31
188	Identification of de facto protected areas in boreal Canada. <i>Biological Conservation</i> , 2012, 146, 97-107.	4.1	45
189	Characterising spatiotemporal environmental and natural variation using a dynamic habitat index throughout the province of Ontario. <i>Ecological Indicators</i> , 2012, 18, 303-311.	6.3	12
190	Modelling the ecosystem indicators of British Columbia using Earth observation data and terrain indices. <i>Ecological Indicators</i> , 2012, 20, 151-162.	6.3	28
191	Factors influencing national scale wildfire susceptibility in Canada. <i>Forest Ecology and Management</i> , 2012, 265, 20-29.	3.2	64
192	Modeling lodgepole and jack pine vulnerability to mountain pine beetle expansion into the western Canadian boreal forest. <i>Forest Ecology and Management</i> , 2012, 274, 161-171.	3.2	21
193	Lidar plots â€” a new large-area data collection option: context, concepts, and case study. <i>Canadian Journal of Remote Sensing</i> , 2012, 38, 600-618.	2.4	98
194	Detecting post-fire salvage logging from Landsat change maps and national fire survey data. <i>Remote Sensing of Environment</i> , 2012, 122, 166-174.	11.0	18
195	Object-based change detection. <i>International Journal of Remote Sensing</i> , 2012, 33, 4434-4457.	2.9	454
196	Preface to Landsat Legacy Special Issue: Continuing the Landsat Legacy. <i>Remote Sensing of Environment</i> , 2012, 122, 1.	11.0	7
197	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.	11.0	876
198	Post-Fire Canopy Height Recovery in Canadaâ€™s Boreal Forests Using Airborne Laser Scanner (ALS). <i>Remote Sensing</i> , 2012, 4, 1600-1616.	4.0	19

#	ARTICLE	IF	CITATIONS
199	Beta-diversity gradients of butterflies along productivity axes. <i>Global Ecology and Biogeography</i> , 2012, 21, 352-364.	5.8	62
200	Using multi-frequency radar and discrete-return LiDAR measurements to estimate above-ground biomass and biomass components in a coastal temperate forest. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2012, 69, 121-133.	11.1	73
201	Representative Landscapes in the Forested Area of Canada. <i>Environmental Management</i> , 2012, 49, 163-173.	2.7	22
202	Forest structural diversity characterization in Mediterranean pines of central Spain with QuickBird-2 imagery and canonical correlation analysis. <i>Canadian Journal of Remote Sensing</i> , 2011, 37, 628-642.	2.4	13
203	Stability of Sample-Based Scanning-LiDAR-Derived Vegetation Metrics for Forest Monitoring. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2011, 49, 2385-2392.	6.3	60
204	DESIGN AND INSTALLATION OF A CAMERA NETWORK ACROSS AN ELEVATION GRADIENT FOR HABITAT ASSESSMENT. <i>Instrumentation Science and Technology</i> , 2011, 39, 231-247.	1.8	16
205	Recent rates of forest harvest and conversion in North America. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	92
206	Inferring terrestrial photosynthetic light use efficiency of temperate ecosystems from space. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	53
207	Characterizing stand-replacing disturbance in western Alberta grizzly bear habitat, using a satellite-derived high temporal and spatial resolution change sequence. <i>Forest Ecology and Management</i> , 2011, 261, 865-877.	3.2	28
208	Assessment of standing wood and fiber quality using ground and airborne laser scanning: A review. <i>Forest Ecology and Management</i> , 2011, 261, 1467-1478.	3.2	95
209	How do butterflies define ecosystems? A comparison of ecological regionalization schemes. <i>Biological Conservation</i> , 2011, 144, 1409-1418.	4.1	15
210	Patterns of protection and threats along productivity gradients in Canada. <i>Biological Conservation</i> , 2011, 144, 2891-2901.	4.1	24
211	A history of habitat dynamics: Characterizing 35 years of stand replacing disturbance. <i>Canadian Journal of Remote Sensing</i> , 2011, 37, 234-251.	2.4	37
212	Fragmentation regimes of Canada's forests. <i>Canadian Geographer / Geographie Canadien</i> , 2011, 55, 288-300.	1.5	24
213	Idiosyncratic responses of Pacific salmon species to land cover, fragmentation, and scale. <i>Ecography</i> , 2011, 34, 780-797.	4.5	8
214	Using digital time-lapse cameras to monitor species-specific understorey and overstorey phenology in support of wildlife habitat assessment. <i>Environmental Monitoring and Assessment</i> , 2011, 180, 1-13.	2.7	52
215	Comparing the impacts of mitigation and non-mitigation on mountain pine beetle populations. <i>Journal of Environmental Management</i> , 2011, 92, 112-120.	7.8	16
216	Simulated impact of sample plot size and co-registration error on the accuracy and uncertainty of LiDAR-derived estimates of forest stand biomass. <i>Remote Sensing of Environment</i> , 2011, 115, 636-649.	11.0	265

#	ARTICLE	IF	CITATIONS
217	Continuity of Landsat observations: Short term considerations. Remote Sensing of Environment, 2011, 115, 747-751.	11.0	93
218	Mapping wildfire and clearcut harvest disturbances in boreal forests with Landsat time series data. Remote Sensing of Environment, 2011, 115, 1421-1433.	11.0	182
219	Characterizing the state and processes of change in a dynamic forest environment using hierarchical spatio-temporal segmentation. Remote Sensing of Environment, 2011, 115, 1665-1679.	11.0	87
220	Biweekly disturbance capture and attribution: case study in western Alberta grizzly bear habitat. Journal of Applied Remote Sensing, 2011, 5, 053568.	1.3	7
221	Comparison of a regional-level habitat index derived from MERIS and MODIS estimates of canopy-absorbed photosynthetically active radiation. Remote Sensing Letters, 2011, 2, 327-336.	1.4	3
222	Regionalization of Landscape Pattern Indices Using Multivariate Cluster Analysis. Environmental Management, 2010, 46, 134-142.	2.7	59
223	Comparing canopy metrics derived from terrestrial and airborne laser scanning in a Douglas-fir dominated forest stand. Trees - Structure and Function, 2010, 24, 819-832.	1.9	147
224	Characterizing the forest fragmentation of Canada's national parks. Environmental Monitoring and Assessment, 2010, 164, 481-499.	2.7	24
225	Implications of differing input data sources and approaches upon forest carbon stock estimation. Environmental Monitoring and Assessment, 2010, 166, 543-561.	2.7	20
226	Multiscale satellite and spatial information and analysis framework in support of a large-area forest monitoring and inventory update. Environmental Monitoring and Assessment, 2010, 170, 417-433.	2.7	28
227	Estimating forest canopy height and terrain relief from GLAS waveform metrics. Remote Sensing of Environment, 2010, 114, 138-154.	11.0	133
228	Identification of snow cover regimes through spatial and temporal clustering of satellite microwave brightness temperatures. Remote Sensing of Environment, 2010, 114, 199-210.	11.0	21
229	Characterizing temperate forest structural and spectral diversity with Hyperion EO-1 data. Remote Sensing of Environment, 2010, 114, 1576-1589.	11.0	41
230	Segment-constrained regression tree estimation of forest stand height from very high spatial resolution panchromatic imagery over a boreal environment. Remote Sensing of Environment, 2010, 114, 2474-2484.	11.0	36
231	Remote sensing of photosynthetic light-use efficiency across two forested biomes: Spatial scaling. Remote Sensing of Environment, 2010, 114, 2863-2874.	11.0	107
232	Local indicators for categorical data: impacts of scaling decisions. Canadian Geographer / Geographie Canadien, 2010, 54, 15-28.	1.5	12
233	Canopy surface reconstruction from a LiDAR point cloud using Hough transform. Remote Sensing Letters, 2010, 1, 125-132.	1.4	38
234	Critical Remote Sensing Contributions to Spatial Wildlife Ecological Knowledge and Management. , 2010, , 193-221.		3

#	ARTICLE	IF	CITATIONS
235	Estimates of bark beetle infestation expansion factors with adaptive cluster sampling. <i>International Journal of Pest Management</i> , 2010, 57, 11-21.	1.8	13
236	Estimating the reduction in gross primary production due to mountain pine beetle infestation using satellite observations. <i>International Journal of Remote Sensing</i> , 2010, 31, 2129-2138.	2.9	17
237	Curve fitting of time-series Landsat imagery for characterizing a mountain pine beetle infestation. <i>International Journal of Remote Sensing</i> , 2010, 31, 3263-3271.	2.9	28
238	Identifying leading species using tree crown metrics derived from very high spatial resolution imagery in a boreal forest environment. <i>Canadian Journal of Remote Sensing</i> , 2010, 36, 332-344.	2.4	22
239	Integration of GLAS and Landsat TM data for aboveground biomass estimation. <i>Canadian Journal of Remote Sensing</i> , 2010, 36, 129-141.	2.4	56
240	Assessing changes in forest fragmentation following infestation using time series Landsat imagery. <i>Forest Ecology and Management</i> , 2010, 259, 2355-2365.	3.2	73
241	Characterizing forest fragmentation: Distinguishing change in composition from configuration. <i>Applied Geography</i> , 2010, 30, 426-435.	3.7	47
242	Approaches for forest biomass estimation and mapping in Canada. , 2010, , .		2
243	Improvement of low level bark beetle damage estimates with adaptive cluster sampling. <i>Silva Fennica</i> , 2010, 44, .	1.3	4
244	A Provincial and Regional Assessment of the Mountain Pine Beetle Epidemic in British Columbia: 1999-2008. <i>Journal of Environmental Informatics</i> , 2010, 15, 1-13.	6.0	17
245	Challenges for the operational detection of mountain pine beetle green attack with remote sensing. <i>Forestry Chronicle</i> , 2009, 85, 32-38.	0.6	40
246	Remote sensing derived edge location, magnitude, and class transitions for ecological studies. <i>Canadian Journal of Remote Sensing</i> , 2009, 35, 509-522.	2.4	7
247	Disturbance capture and attribution through the integration of Landsat and IRS-1C imagery. <i>Canadian Journal of Remote Sensing</i> , 2009, 35, 523-533.	2.4	12
248	Supporting large-area, sample-based forest inventories with very high spatial resolution satellite imagery. <i>Progress in Physical Geography</i> , 2009, 33, 403-423.	3.2	72
249	Detection of foliage conditions and disturbance from multi-angular high spectral resolution remote sensing. <i>Remote Sensing of Environment</i> , 2009, 113, 421-434.	11.0	48
250	Exploring the relative importance of satellite-derived descriptors of production, topography and land cover for predicting breeding bird species richness over Ontario, Canada. <i>Remote Sensing of Environment</i> , 2009, 113, 668-679.	11.0	51
251	Prediction and assessment of bark beetle-induced mortality of lodgepole pine using estimates of stand vigor derived from remotely sensed data. <i>Remote Sensing of Environment</i> , 2009, 113, 1058-1066.	11.0	68
252	Generation of dense time series synthetic Landsat data through data blending with MODIS using a spatial and temporal adaptive reflectance fusion model. <i>Remote Sensing of Environment</i> , 2009, 113, 1988-1999.	11.0	244

#	ARTICLE	IF	CITATIONS
253	Determination of the compositional change (1999–2006) in the pine forests of British Columbia due to mountain pine beetle infestation. <i>Environmental Monitoring and Assessment</i> , 2009, 158, 593-608.	2.7	15
254	Bird diversity: a predictable function of satellite-derived estimates of seasonal variation in canopy light absorbance across the United States. <i>Journal of Biogeography</i> , 2009, 36, 905-918.	3.0	54
255	Spatial-temporal analysis of species range expansion: the case of the mountain pine beetle, <i>Dendroctonus ponderosae</i> . <i>Journal of Biogeography</i> , 2009, 36, 1446-1458.	3.0	79
256	Spatial-temporal patterns of snow cover in western Canada. <i>Canadian Geographer / Geographie Canadien</i> , 2009, 53, 473-487.	1.5	5
257	Large area monitoring with a MODIS-based Disturbance Index (DI) sensitive to annual and seasonal variations. <i>Remote Sensing of Environment</i> , 2009, 113, 1250-1261.	11.0	64
258	Characterizing boreal forest wildfire with multi-temporal Landsat and LIDAR data. <i>Remote Sensing of Environment</i> , 2009, 113, 1540-1555.	11.0	132
259	Processing discrete-return profiling lidar data to estimate canopy closure for large-area forest mapping and management. <i>Canadian Journal of Remote Sensing</i> , 2009, 35, 217-229.	2.4	10
260	Demonstration of a satellite-based index to monitor habitat at continental-scales. <i>Ecological Indicators</i> , 2009, 9, 948-958.	6.3	29
261	Monitoring the impacts of mountain pine beetle mitigation. <i>Forest Ecology and Management</i> , 2009, 258, 1181-1187.	3.2	27
262	Forest fragmentation, structure, and age characteristics as a legacy of forest management. <i>Forest Ecology and Management</i> , 2009, 258, 1938-1949.	3.2	24
263	An environmental domain classification of Canada using earth observation data for biodiversity assessment. <i>Ecological Informatics</i> , 2009, 4, 8-22.	5.2	45
264	A new data fusion model for high spatial- and temporal-resolution mapping of forest disturbance based on Landsat and MODIS. <i>Remote Sensing of Environment</i> , 2009, 113, 1613-1627.	11.0	567
265	Landsat continuity: Issues and opportunities for land cover monitoring. <i>Remote Sensing of Environment</i> , 2008, 112, 955-969.	11.0	449
266	Multi-temporal analysis of high spatial resolution imagery for disturbance monitoring. <i>Remote Sensing of Environment</i> , 2008, 112, 2729-2740.	11.0	92
267	Cross-sensor change detection over a forested landscape: Options to enable continuity of medium spatial resolution measures. <i>Remote Sensing of Environment</i> , 2008, 112, 796-809.	11.0	35
268	Distance to second cluster as a measure of classification confidence. <i>Remote Sensing of Environment</i> , 2008, 112, 2615-2626.	11.0	23
269	Separating physiologically and directionally induced changes in PRI using BRDF models. <i>Remote Sensing of Environment</i> , 2008, 112, 2777-2788.	11.0	165
270	Estimation of insect infestation dynamics using a temporal sequence of Landsat data. <i>Remote Sensing of Environment</i> , 2008, 112, 3680-3689.	11.0	157

#	ARTICLE	IF	CITATIONS
271	Multitemporal remote sensing of landscape dynamics and pattern change: describing natural and anthropogenic trends. <i>Progress in Physical Geography</i> , 2008, 32, 503-528.	3.2	120
272	Application of Landsat satellite imagery to monitor land cover changes at the Athabasca Oil Sands, Alberta, Canada. <i>Canadian Geographer / Géographie Canadien</i> , 2008, 52, 466-485.	1.5	25
273	The use of remote sensing in light use efficiency based models of gross primary production: A review of current status and future requirements. <i>Science of the Total Environment</i> , 2008, 404, 411-423.	8.0	240
274	A modeling approach for upscaling gross ecosystem production to the landscape scale using remote sensing data. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	49
275	Forest Disturbance and North American Carbon Flux. <i>Eos</i> , 2008, 89, 105-106.	0.1	106
276	The development of a Canadian dynamic habitat index using multi-temporal satellite estimates of canopy light absorbance. <i>Ecological Indicators</i> , 2008, 8, 754-766.	6.3	86
277	Risk rating for mountain pine beetle infestation of lodgepole pine forests over large areas with ordinal regression modelling. <i>Forest Ecology and Management</i> , 2008, 256, 900-912.	3.2	33
278	Evaluation of Landsat-7 SLC-off image products for forest change detection. <i>Canadian Journal of Remote Sensing</i> , 2008, 34, 93-99.	2.4	47
279	Free Access to Landsat Imagery. <i>Science</i> , 2008, 320, 1011-1011.	12.6	727
280	Investigating the effectiveness of Mountain Pine Beetle mitigation strategies. <i>International Journal of Pest Management</i> , 2008, 54, 151-165.	1.8	16
281	Impact of sun-surface-sensor geometry upon multitemporal high spatial resolution satellite imagery. <i>Canadian Journal of Remote Sensing</i> , 2008, 34, 455-461.	2.4	23
282	Canadian Remote Sensing Society Gold Medal 2007 / Médaille d'or de la Société canadienne de télédétection pour 2007. <i>Canadian Journal of Remote Sensing</i> , 2008, 34, ix.	2.4	0
283	Monitoring tree-level insect population dynamics with multi-scale and multi-source remote sensing. <i>Journal of Spatial Science</i> , 2008, 53, 49-61.	1.5	21
284	Update of forest inventory data with lidar and high spatial resolution satellite imagery. <i>Canadian Journal of Remote Sensing</i> , 2008, 34, 5-12.	2.4	70
285	Initialization of an insect infestation spread model using tree structure and spatial characteristics derived from high spatial resolution digital aerial imagery. <i>Canadian Journal of Remote Sensing</i> , 2008, 34, 485-502.	2.4	14
286	Monitoring Canada's forests. Part 2: National forest fragmentation and pattern. <i>Canadian Journal of Remote Sensing</i> , 2008, 34, 563-584.	2.4	60
287	Monitoring Canada's forests. Part 1: Completion of the EOSD land cover project. <i>Canadian Journal of Remote Sensing</i> , 2008, 34, 549-562.	2.4	199
288	The role of LiDAR in sustainable forest management. <i>Forestry Chronicle</i> , 2008, 84, 807-826.	0.6	291

#	ARTICLE	IF	CITATIONS
289	Spatially Explicit Large Area Biomass Estimation: Three Approaches Using Forest Inventory and Remotely Sensed Imagery in a GIS. <i>Sensors</i> , 2008, 8, 529-560.	3.8	88
290	Towards automated segmentation of forest inventory polygons on high spatial resolution satellite imagery. <i>Forestry Chronicle</i> , 2008, 84, 221-230.	0.6	61
291	Linking survey detection accuracy with ability to mitigate populations of mountain pine beetle. <i>Forestry Chronicle</i> , 2008, 84, 900-909.	0.6	5
292	Stability of Surface LiDAR Height Estimates on a Point and Polygon Basis(<Special Issue>Silvilaser). <i>Journal of Forest Planning</i> , 2008, 13, 279-286.	0.1	2
293	Estimating afternoon MODIS land surface temperatures (LST) based on morning MODIS overpass, location and elevation information. <i>International Journal of Remote Sensing</i> , 2007, 28, 2391-2396.	2.9	38
294	Detecting mountain pine beetle red attack damage with EO's Hyperion moisture indices. <i>International Journal of Remote Sensing</i> , 2007, 28, 2111-2121.	2.9	68
295	An approach for edge matching large-area satellite image classifications. <i>Canadian Journal of Remote Sensing</i> , 2007, 33, 266-277.	2.4	6
296	An Efficient Protocol to Process Landsat Images for Change Detection With Tasseled Cap Transformation. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2007, 4, 147-151.	3.1	47
297	Development of a large area biodiversity monitoring system driven by remote sensing. <i>Progress in Physical Geography</i> , 2007, 31, 235-260.	3.2	177
298	National circumstances in the international circumboreal community. <i>Forestry Chronicle</i> , 2007, 83, 539-556.	0.6	53
299	Validation of a large area land cover product using purpose-acquired airborne video. <i>Remote Sensing of Environment</i> , 2007, 106, 480-491.	11.0	68
300	Efficient multiresolution spatial predictions for large data arrays. <i>Remote Sensing of Environment</i> , 2007, 109, 451-463.	11.0	15
301	Integrating profiling LIDAR with Landsat data for regional boreal forest canopy attribute estimation and change characterization. <i>Remote Sensing of Environment</i> , 2007, 110, 123-137.	11.0	66
302	Instrumentation and approach for unattended year round tower based measurements of spectral reflectance. <i>Computers and Electronics in Agriculture</i> , 2007, 56, 72-84.	7.7	81
303	Using local spatial autocorrelation to compare outputs from a forest growth model. <i>Ecological Modelling</i> , 2007, 209, 264-276.	2.5	28
304	Using Spatial Pattern to Quantify Relationship Between Samples, Surroundings, and Populations. <i>Environmental Monitoring and Assessment</i> , 2007, 131, 221-230.	2.7	2
305	Snow cover variability across central Canada (1978-2002) derived from satellite passive microwave data. <i>Climatic Change</i> , 2007, 82, 113-130.	3.6	32
306	STAMP: spatial-temporal analysis of moving polygons. <i>Journal of Geographical Systems</i> , 2007, 9, 207-227.	3.1	58

#	ARTICLE	IF	CITATIONS
307	Estimating canopy structure of Douglas-fir forest stands from discrete-return LiDAR. <i>Trees - Structure and Function</i> , 2007, 21, 295-310.	1.9	278
308	Rating the susceptibility of forests to mountain pine beetle infestations: the impact of data. <i>Canadian Journal of Forest Research</i> , 2006, 36, 2815-2825.	1.7	12
309	Poisson Voronoï tiling for finding clusters in spatial point patterns. <i>Scandinavian Journal of Forest Research</i> , 2006, 21, 239-248.	1.4	5
310	Surveying mountain pine beetle damage of forests: A review of remote sensing opportunities. <i>Forest Ecology and Management</i> , 2006, 221, 27-41.	3.2	325
311	Large-area mountain pine beetle infestations: Spatial data representation and accuracy. <i>Forestry Chronicle</i> , 2006, 82, 243-252.	0.6	19
312	Evaluation of Risk Assessment of Mountain Pine Beetle Infestations. <i>Western Journal of Applied Forestry</i> , 2006, 21, 5-13.	0.5	16
313	Object-based Analysis of Ikonos-2 Imagery for Extraction of Forest Inventory Parameters. <i>Photogrammetric Engineering and Remote Sensing</i> , 2006, 72, 383-394.	0.6	151
314	Assessment of QuickBird high spatial resolution imagery to detect red attack damage due to mountain pine beetle infestation. <i>Remote Sensing of Environment</i> , 2006, 103, 67-80.	11.0	183
315	Estimating the probability of mountain pine beetle red-attack damage. <i>Remote Sensing of Environment</i> , 2006, 101, 150-166.	11.0	131
316	Integrating remotely sensed and ancillary data sources to characterize a mountain pine beetle infestation. <i>Remote Sensing of Environment</i> , 2006, 105, 83-97.	11.0	57
317	An accuracy assessment framework for large-area land cover classification products derived from medium-resolution satellite data. <i>International Journal of Remote Sensing</i> , 2006, 27, 663-683.	2.9	87
318	Exploring Small Footprint Lidar Intensity Data in a Forested Environment. , 2006, , .		4
319	Use of vector polygons for the accuracy assessment of pixel-based land cover maps. <i>Canadian Journal of Remote Sensing</i> , 2006, 32, 268-279.	2.4	31
320	Identifying and Describing Forest Disturbance and Spatial Pattern. , 2006, , 31-61.		8
321	Calculating the Risk of Mountain Pine Beetle Attack: a Comparison of Distance- and Density-Based Estimates of Beetle Pressure. <i>Journal of Environmental Informatics</i> , 2006, 8, 58-69.	6.0	2
322	Characterization of the diminishing accuracy in detecting forest insect damage over time. <i>Canadian Journal of Remote Sensing</i> , 2005, 31, 421-431.	2.4	23
323	Detection of red attack stage mountain pine beetle infestation with high spatial resolution satellite imagery. <i>Remote Sensing of Environment</i> , 2005, 96, 340-351.	11.0	102
324	Techniques for accuracy assessment of tree locations extracted from remotely sensed imagery. <i>Journal of Environmental Management</i> , 2005, 74, 265-271.	7.8	23

#	ARTICLE	IF	CITATIONS
325	Use of ordinal conversion for radiometric normalization and change detection. International Journal of Remote Sensing, 2005, 26, 535-541.	2.9	29
326	An automated object-based approach for the multiscale image segmentation of forest scenes. International Journal of Applied Earth Observation and Geoinformation, 2005, 7, 339-359.	2.8	268
327	Integration of forest inventory and satellite imagery. Forest Ecology and Management, 2005, 207, 405-428.	3.2	31
328	Simulation and quantification of the fine-scale spatial pattern and heterogeneity of forest canopy structure: A lacunarity-based method designed for analysis of continuous canopy heights. Forest Ecology and Management, 2005, 214, 65-90.	3.2	85
329	Mapping mountain pine beetle infestation with high spatial resolution satellite imagery. Forestry Chronicle, 2004, 80, 743-745.	0.6	13
330	Inclusion of topographic variables in an unsupervised classification of satellite imagery. Canadian Journal of Remote Sensing, 2004, 30, 137-149.	2.4	19
331	High Spatial Resolution Remotely Sensed Data for Ecosystem Characterization. BioScience, 2004, 54, 511.	4.9	284
332	National level forest monitoring and modeling in Canada. Progress in Planning, 2004, 61, 365-381.	4.3	65
333	Predicting Forest Age Classes from High Spatial Resolution Remotely Sensed Imagery Using Voronoi Polygon Aggregation. Geoinformatica, 2004, 8, 143-155.	2.7	10
334	A spatial statistical operator applied to multirate satellite imagery for identification of coral reef stress. Remote Sensing of Environment, 2004, 91, 271-279.	11.0	46
335	Estimating time since forest harvest using segmented Landsat ETM+ imagery. Remote Sensing of Environment, 2004, 93, 179-187.	11.0	82
336	Comparison of airborne and satellite high spatial resolution data for the identification of individual trees with local maxima filtering. International Journal of Remote Sensing, 2004, 25, 2225-2232.	2.9	67
337	Sensitivity of hyperclustering and labelling land cover classes to Landsat image acquisition date. International Journal of Remote Sensing, 2004, 25, 5337-5344.	2.9	16
338	Contextual classification of Landsat TM images to forest inventory cover types. International Journal of Remote Sensing, 2004, 25, 2421-2440.	2.9	44
339	Geostatistical and texture analysis of airborne-acquired images used in forest classification. International Journal of Remote Sensing, 2004, 25, 859-865.	2.9	42
340	Comparison of forest attributes extracted from fine spatial resolution multispectral and lidar data. Canadian Journal of Remote Sensing, 2004, 30, 855-866.	2.4	83
341	Map comparison using spatial autocorrelation: an example using AVHRR derived land cover of Canada. Canadian Journal of Remote Sensing, 2004, 30, 573-592.	2.4	13
342	Sensitivity of the thematic mapper enhanced wetness difference index to detect mountain pine beetle red-attack damage. Remote Sensing of Environment, 2003, 86, 433-443.	11.0	199

#	ARTICLE	IF	CITATIONS
343	Mapping aboveground tree biomass at the stand level from inventory information: test cases in Newfoundland and Quebec. <i>Canadian Journal of Forest Research</i> , 2003, 33, 1846-1863.	1.7	44
344	Structural change detection in a disturbed conifer forest using a geometric optical reflectance model in multiple-forward mode. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2003, 41, 163-166.	6.3	39
345	LiDAR remote sensing of forest structure. <i>Progress in Physical Geography</i> , 2003, 27, 88-106.	3.2	829
346	Radiometric Image Processing. , 2003, , 181-208.		15
347	Forest inventory height update through the integration of lidar data with segmented Landsat imagery. <i>Canadian Journal of Remote Sensing</i> , 2003, 29, 536-543.	2.4	105
348	Preface / PrÃ©face. <i>Canadian Journal of Remote Sensing</i> , 2003, 29, ii-iii.	2.4	0
349	From need to product: a methodology for completing a land cover map of Canada with Landsat data. <i>Canadian Journal of Remote Sensing</i> , 2003, 29, 171-186.	2.4	31
350	Mountain Pine Beetle Red-Attack Forest Damage Classification Using Stratified Landsat TM Data in British Columbia, Canada. <i>Photogrammetric Engineering and Remote Sensing</i> , 2003, 69, 283-288.	0.6	95
351	Tree and Canopy Height Estimation with Scanning Lidar. , 2003, , 489-509.		15
352	Landsat-7 ETM+ orthoimage coverage of Canada. <i>Canadian Journal of Remote Sensing</i> , 2002, 28, 667-671.	2.4	33
353	Error reduction methods for local maximum filtering of high spatial resolution imagery for locating trees. <i>Canadian Journal of Remote Sensing</i> , 2002, 28, 621-628.	2.4	28
354	Large-area forest structure change detection: An example. <i>Canadian Journal of Remote Sensing</i> , 2002, 28, 588-592.	2.4	27
355	Deforestation estimation for Canada under the Kyoto Protocol: A design study. <i>Canadian Journal of Remote Sensing</i> , 2002, 28, 672-678.	2.4	14
356	Remote sensing methods in medium spatial resolution satellite data land cover classification of large areas. <i>Progress in Physical Geography</i> , 2002, 26, 173-205.	3.2	247
357	Change detection and landscape structure mapping using remote sensing. <i>Forestry Chronicle</i> , 2002, 78, 618-625.	0.6	35
358	Spatial statistical techniques for aggregating point objects extracted from high spatial resolution remotely sensed imagery. <i>Journal of Geographical Systems</i> , 2002, 4, 423-433.	3.1	14
359	Texture analysis of IKONOS panchromatic data for Douglas-fir forest age class separability in British Columbia. <i>International Journal of Remote Sensing</i> , 2001, 22, 2627-2632.	2.9	111
360	Local Spatial Autocorrelation Characteristics of Landsat TM Imagery of a Managed Forest Area. <i>Canadian Journal of Remote Sensing</i> , 2001, 27, 67-75.	2.4	23

#	ARTICLE	IF	CITATIONS
361	Spatially Partitioning Canada with the Landsat Worldwide Referencing System. Canadian Journal of Remote Sensing, 2001, 27, 225-231.	2.4	16
362	Spatial resolution implications of digitizing aerial photography for environmental applications. Imaging Science Journal, 2001, 49, 223-232.	0.5	12
363	Special Collection 22nd CRSS Symposium. Canadian Journal of Remote Sensing, 2001, 27, 578-578.	2.4	0
364	Interpretation of Forest Harvest Conditions in New Brunswick Using Landsat TM Enhanced Wetness Difference Imagery (EWDI). Canadian Journal of Remote Sensing, 2001, 27, 118-128.	2.4	41
365	Local Maximum Filtering for the Extraction of Tree Locations and Basal Area from High Spatial Resolution Imagery. Remote Sensing of Environment, 2000, 73, 103-114.	11.0	302
366	An ARC/INFO Macro Language (AML) Polygon Update Program (PUP) Integrating Forest Inventory and Remotely-Sensed Data. Canadian Journal of Remote Sensing, 2000, 26, 566-575.	2.4	3
367	The prediction of leaf area index from forest polygons decomposed through the integration of remote sensing, GIS, UNIX, and C. Computers and Geosciences, 1998, 24, 151-157.	4.2	21
368	Aerial Image Texture Information in the Estimation of Northern Deciduous and Mixed Wood Forest Leaf Area Index (LAI). Remote Sensing of Environment, 1998, 64, 64-76.	11.0	178
369	Optical remote-sensing techniques for the assessment of forest inventory and biophysical parameters. Progress in Physical Geography, 1998, 22, 449-476.	3.2	294
370	Local spatial autocorrelation characteristics of remotely sensed imagery assessed with the Getis statistic. International Journal of Remote Sensing, 1998, 19, 2223-2231.	2.9	146
371	Automated derivation of geographic window sizes for use in remote sensing digital image texture analysis. Computers and Geosciences, 1996, 22, 665-673.	4.2	119
372	High Spatial Resolution Optical Image Texture for Improved Estimation of Forest Stand Leaf Area Index. Canadian Journal of Remote Sensing, 1996, 22, 441-449.	2.4	56
373	UAV-BASED PHOTOGRAMMETRIC POINT CLOUDS AND HYPERSPECTRAL IMAGING FOR MAPPING BIODIVERSITY INDICATORS IN BOREAL FORESTS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-3/W3, 171-175.	0.2	5
374	MAPPING THE RISK OF FOREST WIND DAMAGE USING AIRBORNE SCANNING LiDAR. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-3/W2, 189-196.	0.2	2
375	Remote Sensing for Studies of Vegetation Condition: Theory and Application. , 0, , 356-367.		5