

Nicholas C. Coops

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.

487
papers

19,973
citations

72
h-index

116
g-index

505
ext. papers

22,972
ext. citations

5.9
avg, IF

7.17
L-index

#	Paper	IF	Citations
487	Mapping, validating, and interpreting spatio-temporal trends in post-disturbance forest recovery. <i>Remote Sensing of Environment</i> , 2022 , 271, 112904	13.2	3
486	Multi-sensor change detection for within-year capture and labelling of forest disturbance. <i>Remote Sensing of Environment</i> , 2022 , 268, 112741	13.2	3
485	Land cover classification in an era of big and open data: Optimizing localized implementation and training data selection to improve mapping outcomes. <i>Remote Sensing of Environment</i> , 2022 , 268, 112780	13.2	6
484	Characterizing stream morphological features important for fish habitat using airborne laser scanning data. <i>Remote Sensing of Environment</i> , 2022 , 272, 112948	13.2	1
483	Assessing representation of remote sensing derived forest structure and land cover across a network of protected areas.. <i>Ecological Applications</i> , 2022 , e2603	4.9	
482	Estimation of Vertical Fuel Layers in Tree Crowns Using High Density LiDAR Data. <i>Remote Sensing</i> , 2021 , 13, 4598	5	2
481	Untangling the effect of urban vegetation type and structure on spectrally unmixed greenness. <i>Remote Sensing Letters</i> , 2021 , 12, 1216-1226	2.3	0
480	Protein biomarkers in serum as a conservation tool to assess reproduction: a case study on brown bears () 2021 , 9, coab091		1
479	Species Classification of Automatically Delineated Regenerating Conifer Crowns using RGB and Near-Infrared UAV Imagery. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021 , 1-1	4.1	2
478	Lidar Boosts 3D Ecological Observations and Modelings: A Review and Perspective. <i>IEEE Geoscience and Remote Sensing Magazine</i> , 2021 , 9, 232-257	8.9	19
477	Priority list of biodiversity metrics to observe from space. <i>Nature Ecology and Evolution</i> , 2021 , 5, 896-906	12.3	30
476	Monitoring the Structure of Regenerating Vegetation Using Drone-Based Digital Aerial Photogrammetry. <i>Remote Sensing</i> , 2021 , 13, 1942	5	1
475	Landscape condition influences energetics, reproduction, and stress biomarkers in grizzly bears. <i>Scientific Reports</i> , 2021 , 11, 12124	4.9	2
474	Characterizing Off-Highway Road Use with Remote-Sensing, Social Media and Crowd-Sourced Data: An Application to Grizzly Bear (<i>Ursus Arctos</i>) Habitat. <i>Remote Sensing</i> , 2021 , 13, 2547	5	1
473	Species and stand-age driven differences in photochemical reflectance index and light use efficiency across four temperate forests. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021 , 98, 102308	7.3	
472	Biophysical controls of increased tundra productivity in the western Canadian Arctic. <i>Remote Sensing of Environment</i> , 2021 , 258, 112358	13.2	5
471	Detection and Quantification of Coarse Woody Debris in Natural Forest Stands Using Airborne LiDAR. <i>Forest Science</i> , 2021 , 67, 550-563	1.4	2

470	Modelling lidar-derived estimates of forest attributes over space and time: A review of approaches and future trends. <i>Remote Sensing of Environment</i> , 2021 , 260, 112477	13.2	24
469	Mapping dynamic peri-urban land use transitions across Canada using Landsat time series: Spatial and temporal trends and associations with socio-demographic factors. <i>Computers, Environment and Urban Systems</i> , 2021 , 88, 101653	5.9	6
468	Airborne laser scanning for quantifying criteria and indicators of sustainable forest management in Canada. <i>Canadian Journal of Forest Research</i> , 2021 , 51, 972-985	1.9	5
467	Mapping recreation and tourism use across grizzly bear recovery areas using social network data and maximum entropy modelling. <i>Ecological Modelling</i> , 2021 , 440, 109377	3	2
466	Time series monitoring of impervious surfaces and runoff impacts in Metro Vancouver. <i>Science of the Total Environment</i> , 2021 , 760, 143873	10.2	4
465	Land cover harmonization using Latent Dirichlet Allocation. <i>International Journal of Geographical Information Science</i> , 2021 , 35, 348-374	4.1	7
464	FOSTER-An R package for forest structure extrapolation. <i>PLoS ONE</i> , 2021 , 16, e0244846	3.7	3
463	Deriving internal crown geometric features of Douglas-fir from airborne laser scanning in a realized-gain trial. <i>Forestry</i> , 2021 , 94, 442-454	2.2	2
462	Estimating Changes in Forest Attributes and Enhancing Growth Projections: a Review of Existing Approaches and Future Directions Using Airborne 3D Point Cloud Data. <i>Current Forestry Reports</i> , 2021 , 7, 1-24	8	7
461	Assessment of approaches for monitoring forest structure dynamics using bi-temporal digital aerial photogrammetry point clouds. <i>Remote Sensing of Environment</i> , 2021 , 255, 112300	13.2	4
460	Patterns of bird species richness explained by annual variation in remotely sensed Dynamic Habitat Indices. <i>Ecological Indicators</i> , 2021 , 127, 107774	5.8	
459	Single photon lidar signal attenuation under boreal forest conditions. <i>Remote Sensing Letters</i> , 2021 , 12, 1049-1060	2.3	1
458	Comparing airborne and spaceborne photon-counting LiDAR canopy structural estimates across different boreal forest types. <i>Remote Sensing of Environment</i> , 2021 , 262, 112510	13.2	9
457	Grizzly bear (<i>Ursus arctos</i>) responses to forest harvesting: A review of underlying mechanisms and management recommendations. <i>Forest Ecology and Management</i> , 2021 , 497, 119471	3.9	0
456	Augmenting Landsat time series with Harmonized Landsat Sentinel-2 data products: Assessment of spectral correspondence. <i>Science of Remote Sensing</i> , 2021 , 4, 100031	11.8	2
455	Benchmarking acquisition parameters for digital aerial photogrammetric data for forest inventory applications: Impacts of image overlap and resolution. <i>Remote Sensing of Environment</i> , 2021 , 265, 112677	13.2	0
454	Automatic Delineation and Height Measurement of Regenerating Conifer Crowns under Leaf-Off Conditions Using UAV Imagery. <i>Remote Sensing</i> , 2020 , 12, 4104	5	12
453	Building a perceptual zone of influence for wildlife: delineating the effects of roads on grizzly bear movement. <i>European Journal of Wildlife Research</i> , 2020 , 66, 1	2	5

452	Modelling avian habitat suitability in boreal forest using structural and spectral remote sensing data. <i>Remote Sensing Applications: Society and Environment</i> , 2020 , 19, 100344	2.8	4
451	Transferability of ALS-Derived Forest Resource Inventory Attributes Between an Eastern and Western Canadian Boreal Forest Mixedwood Site. <i>Canadian Journal of Remote Sensing</i> , 2020 , 46, 214-236 ^{1.8}		3
450	Variations in grizzly bear habitat selection in relation to the daily and seasonal availability of annual plant-food resources. <i>Ecological Informatics</i> , 2020 , 58, 101116	4.2	3
449	Development and validation of protein biomarkers of health in grizzly bears 2020 , 8, coaa056		3
448	Modeling realized gains in Douglas-fir (<i>Pseudotsuga menziesii</i>) using laser scanning data from unmanned aircraft systems (UAS). <i>Forest Ecology and Management</i> , 2020 , 473, 118284	3.9	6
447	Change in forest condition: Characterizing non-stand replacing disturbances using time series satellite imagery. <i>Forest Ecology and Management</i> , 2020 , 474, 118370	3.9	13
446	Tree species classification using UAS-based digital aerial photogrammetry point clouds and multispectral imageries in subtropical natural forests. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2020 , 92, 102173	7.3	21
445	Characterizing variations in growth characteristics between Douglas-fir with different genetic gain levels using airborne laser scanning. <i>Trees - Structure and Function</i> , 2020 , 34, 649-664	2.6	8
444	What controls fire spatial patterns? Predictability of fire characteristics in the Canadian boreal plains ecozone. <i>Ecosphere</i> , 2020 , 11, e02985	3.1	5
443	Retrieving Foliar Traits of <i>Quercus garryana</i> var. <i>garryana</i> across a Modified Landscape Using Leaf Spectroscopy and LiDAR. <i>Remote Sensing</i> , 2020 , 12, 26	5	0
442	Vegetation productivity summarized by the Dynamic Habitat Indices explains broad-scale patterns of moose abundance across Russia. <i>Scientific Reports</i> , 2020 , 10, 836	4.9	10
441	Monitoring biodiversity in the Anthropocene using remote sensing in species distribution models. <i>Remote Sensing of Environment</i> , 2020 , 239, 111626	13.2	70
440	Detection of sub-canopy forest structure using airborne LiDAR. <i>Remote Sensing of Environment</i> , 2020 , 244, 111770	13.2	23
439	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	2.2	8
438	Biomass status and dynamics over Canada's forests: Disentangling disturbed area from associated aboveground biomass consequences. <i>Environmental Research Letters</i> , 2020 , 15, 094093	6.2	7
437	Detecting changes in understorey and canopy vegetation cycles in West Central Alberta using a fusion of Landsat and MODIS. <i>Applied Vegetation Science</i> , 2020 , 23, 223-238	3.3	3
436	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	7.3	12
435	Maintaining accurate, current, rural road network data: An extraction and updating routine using RapidEye, participatory GIS and deep learning. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2020 , 87, 102031	7.3	14

434	Effect of ground surface interpolation methods on the accuracy of forest attribute modelling using unmanned aerial systems-based digital aerial photogrammetry. <i>International Journal of Remote Sensing</i> , 2020 , 41, 3287-3306	3.1	8
433	Forest Change Detection in Lidar Data Based on Polar Change Vector Analysis. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020 , 1-5	4.1	1
432	lidR: An R package for analysis of Airborne Laser Scanning (ALS) data. <i>Remote Sensing of Environment</i> , 2020 , 251, 112061	13.2	126
431	Changing spring snow cover dynamics and early season forage availability affect the behavior of a large carnivore. <i>Global Change Biology</i> , 2020 , 26, 6266-6275	11.4	1
430	Forest Inventory and Diversity Attribute Modelling Using Structural and Intensity Metrics from Multi-Spectral Airborne Laser Scanning Data. <i>Remote Sensing</i> , 2020 , 12, 2109	5	10
429	Quantifying vertical profiles of biochemical traits for forest plantation species using advanced remote sensing approaches. <i>Remote Sensing of Environment</i> , 2020 , 250, 112041	13.2	10
428	Digital Terrestrial Photogrammetry to Enhance Field-Based Forest Inventory across Stand Conditions. <i>Canadian Journal of Remote Sensing</i> , 2020 , 46, 622-639	1.8	3
427	Population-level monitoring of stress in grizzly bears between 2004 and 2014. <i>Ecosphere</i> , 2020 , 11, e03131	3.1	6
426	Spatially-Explicit Prediction of Wildfire Burn Probability Using Remotely-Sensed and Ancillary Data. <i>Canadian Journal of Remote Sensing</i> , 2020 , 46, 313-329	1.8	3
425	Asian Cities are Greening While Some North American Cities are Browning: Long-Term Greenspace Patterns in 16 Cities of the Pan-Pacific Region. <i>Ecosystems</i> , 2020 , 23, 383-399	3.9	6
424	Forest Road Status Assessment Using Airborne Laser Scanning. <i>Forest Science</i> , 2020 , 66, 501-508	1.4	4
423	Uncovering spatial and ecological variability in gap size frequency distributions in the Canadian boreal forest. <i>Scientific Reports</i> , 2020 , 10, 6069	4.9	15
422	Challenges of Multi-Temporal and Multi-Sensor Forest Growth Analyses in a Highly Disturbed Boreal Mixedwood Forests. <i>Remote Sensing</i> , 2019 , 11, 2102	5	12
421	The utility of terrestrial photogrammetry for assessment of tree volume and taper in boreal mixedwood forests. <i>Annals of Forest Science</i> , 2019 , 76, 1	3.1	14
420	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	13.2	17
419	Digital Aerial Photogrammetry for Updating Area-Based Forest Inventories: A Review of Opportunities, Challenges, and Future Directions. <i>Current Forestry Reports</i> , 2019 , 5, 55-75	8	65
418	Breaking the Habit(at). <i>Trends in Ecology and Evolution</i> , 2019 , 34, 585-587	10.9	20
417	Examining the Multi-Seasonal Consistency of Individual Tree Segmentation on Deciduous Stands Using Digital Aerial Photogrammetry (DAP) and Unmanned Aerial Systems (UAS). <i>Remote Sensing</i> , 2019 , 11, 739	5	19

416	Grizzly bear response to fine spatial and temporal scale spring snow cover in Western Alberta. <i>PLoS ONE</i> , 2019 , 14, e0215243	3.7	12
415	Demonstrating the transferability of forest inventory attribute models derived using airborne laser scanning data. <i>Remote Sensing of Environment</i> , 2019 , 227, 110-124	13.2	28
414	Uncovering regional variability in disturbance trends between parks and greater park ecosystems across Canada (1985-2015). <i>Scientific Reports</i> , 2019 , 9, 1323	4.9	5
413	Current status of Landsat program, science, and applications. <i>Remote Sensing of Environment</i> , 2019 , 225, 127-147	13.2	341
412	Long-term changes in the primary productivity of migratory caribou (<i>Rangifer tarandus</i>) calving grounds and summer pasture on the Quebec-Labrador Peninsula (Northeastern Canada): the mixed influences of climate change and caribou herbivory. <i>Polar Biology</i> , 2019 , 42, 1005-1023	2	7
411	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	7.7	5
410	Towards grizzly bear population recovery in a modern landscape. <i>Journal of Applied Ecology</i> , 2019 , 56, 93-99	5.8	4
409	Tropical bird species richness is strongly associated with patterns of primary productivity captured by the Dynamic Habitat Indices. <i>Remote Sensing of Environment</i> , 2019 , 232, 111306	13.2	10
408	Untangling multiple species richness hypothesis globally using remote sensing habitat indices. <i>Ecological Indicators</i> , 2019 , 107, 105567	5.8	5
407	Normalization method for multi-sensor high spatial and temporal resolution satellite imagery with radiometric inconsistencies. <i>Computers and Electronics in Agriculture</i> , 2019 , 164, 104893	6.5	26
406	Local Adaptation and Response of <i>Platycladus orientalis</i> (L.) Franco Populations to Climate Change. <i>Forests</i> , 2019 , 10, 622	2.8	7
405	Structural development following stand-replacing disturbance in a boreal mixedwood forest. <i>Forest Ecology and Management</i> , 2019 , 453, 117586	3.9	5
404	Variability of wood properties using airborne and terrestrial laser scanning. <i>Remote Sensing of Environment</i> , 2019 , 235, 111474	13.2	18
403	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019 , 12, 4131-4148	4.7	13
402	Remote sensing for the Spanish forests in the 21st century: a review of advances, needs, and opportunities. <i>Forest Systems</i> , 2019 , 28, eR001	0.9	16
401	Integrated fire severity and land cover mapping using very-high-spatial-resolution aerial imagery and point clouds. <i>International Journal of Wildland Fire</i> , 2019 , 28, 840	3.2	4
400	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	13.2	12
399	Estimating canopy structure and biomass in bamboo forests using airborne LiDAR data. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2019 , 148, 114-129	11.8	26

398	Evaluation of Ground Surface Models Derived from Unmanned Aerial Systems with Digital Aerial Photogrammetry in a Disturbed Conifer Forest. <i>Remote Sensing</i> , 2019 , 11, 84	5	26
397	Environmental landscape determinants of maximum forest canopy height of boreal forests. <i>Journal of Plant Ecology</i> , 2019 , 12, 96-102	1.7	4
396	Quantifying local fire regimes using the Landsat data-archive: a conceptual framework to derive detailed fire pattern metrics from pixel-level information. <i>International Journal of Digital Earth</i> , 2019 , 12, 544-565	3.9	3
395	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	1.8	102
394	Land cover 2.0. <i>International Journal of Remote Sensing</i> , 2018 , 39, 4254-4284	3.1	161
393	Simulation of net ecosystem productivity of a lodgepole pine forest after mountain pine beetle attack using a modified version of 3-PG. <i>Forest Ecology and Management</i> , 2018 , 412, 41-52	3.9	9
392	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	13.2	58
391	How global climate change and regional disturbance can expand the invasion risk? Case study of <i>Lantana camara</i> invasion in the Himalaya. <i>Biological Invasions</i> , 2018 , 20, 1849-1863	2.7	25
390	Integrating airborne lidar and satellite imagery to model habitat connectivity dynamics for spatial conservation prioritization. <i>Landscape Ecology</i> , 2018 , 33, 491-511	4.3	12
389	Using airborne laser scanning to predict plant species richness and assess conservation threats in the oil sands region of Alberta's boreal forest. <i>Forest Ecology and Management</i> , 2018 , 409, 29-37	3.9	14
388	Predicting temperate forest stand types using only structural profiles from discrete return airborne lidar. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2018 , 136, 106-119	11.8	21
387	Monitoring pigment-driven vegetation changes in a low-Arctic tundra ecosystem using digital cameras. <i>Ecosphere</i> , 2018 , 9, e02123	3.1	9
386	Changing northern vegetation conditions are influencing barren ground caribou (<i>Rangifer tarandus groenlandicus</i>) post-calving movement rates. <i>Journal of Biogeography</i> , 2018 , 45, 702-712	4.1	10
385	Disentangling vegetation and climate as drivers of Australian vertebrate richness. <i>Ecography</i> , 2018 , 41, 1147-1160	6.5	14
384	Enhancing the Estimation of Stem-Size Distributions for Unimodal and Bimodal Stands in a Boreal Mixedwood Forest with Airborne Laser Scanning Data. <i>Forests</i> , 2018 , 9, 95	2.8	19
383	Combining Multi-Date Airborne Laser Scanning and Digital Aerial Photogrammetric Data for Forest Growth and Yield Modelling. <i>Remote Sensing</i> , 2018 , 10, 347	5	38
382	Bright lights, big city: Causal effects of population and GDP on urban brightness. <i>PLoS ONE</i> , 2018 , 13, e0199545	3.7	6
381	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	13.2	59

380	Daily estimates of Landsat fractional snow cover driven by MODIS and dynamic time-warping. <i>Remote Sensing of Environment</i> , 2018 , 216, 635-646	13.2	26
379	Object-based urban landcover mapping methodology using high spatial resolution imagery and airborne laser scanning. <i>Journal of Applied Remote Sensing</i> , 2018 , 12, 1	1.4	11
378	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	13.2	58
377	Assessing the status of forest regeneration using digital aerial photogrammetry and unmanned aerial systems. <i>International Journal of Remote Sensing</i> , 2018 , 39, 5246-5264	3.1	52
376	Statistical performance and behaviour of environmentally-sensitive composite models of lodgepole pine growth. <i>Forest Ecology and Management</i> , 2018 , 408, 157-173	3.9	3
375	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	5	
374	Snow cover mapped daily at 30 meters resolution using a fusion of multi-temporal MODIS NDSI data and Landsat surface reflectance. <i>Canadian Journal of Remote Sensing</i> , 2018 , 44, 413-434	1.8	7
373	Vegetation Phenology Driving Error Variation in Digital Aerial Photogrammetrically Derived Terrain Models. <i>Remote Sensing</i> , 2018 , 10, 1554	5	25
372	Remotely-sensed productivity clusters capture global biodiversity patterns. <i>Scientific Reports</i> , 2018 , 8, 16261	4.9	10
371	Mapping tree canopies in urban environments using airborne laser scanning (ALS): a Vancouver case study. <i>Forest Ecosystems</i> , 2018 , 5,	3.8	12
370	An Unsupervised Change Detection Method for Lidar Data in Forest Areas Based on Change Vector Analysis in the Polar Domain 2018 ,		3
369	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	6.2	24
368	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	3.7	34
367	Determining Optimal Video Length for the Estimation of Building Height through Radial Displacement Measurement from Space. <i>ISPRS International Journal of Geo-Information</i> , 2018 , 7, 380	2.9	3
366	Remote sensing of variation of light use efficiency in two age classes of Douglas-fir. <i>Remote Sensing of Environment</i> , 2018 , 219, 284-297	13.2	7
365	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	5	34
364	Characterizing understory vegetation in Mediterranean forests using full-waveform airborne laser scanning data. <i>Remote Sensing of Environment</i> , 2018 , 217, 400-413	13.2	30
363	Digital aerial photogrammetry for assessing cumulative spruce budworm defoliation and enhancing forest inventories at a landscape-level. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2018 , 142, 1-11	11.8	23

362	Effects of pre-processing methods on Landsat OLI-8 land cover classification using OBIA and random forests classifier. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2018 , 73, 170-178	7.3	43
361	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	4.1	19
360	Regional mapping of vegetation structure for biodiversity monitoring using airborne lidar data. <i>Ecological Informatics</i> , 2017 , 38, 50-61	4.2	71
359	Characterizing streams and riparian areas with airborne laser scanning data. <i>Remote Sensing of Environment</i> , 2017 , 192, 73-86	13.2	20
358	Modeling Gross Primary Production for Sunlit and Shaded Canopies Across an Evergreen and a Deciduous Site in Canada. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017 , 55, 1859-1873	8.1	5
357	Estimating urban vegetation fraction across 25 cities in pan-Pacific using Landsat time series data. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2017 , 126, 11-23	11.8	34
356	Linking stand architecture with canopy reflectance to estimate vertical patterns of light-use efficiency. <i>Remote Sensing of Environment</i> , 2017 , 194, 322-330	13.2	15
355	Global Spatial-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	2.6	5
354	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	4.2	7
353	A comparison of Dynamic Habitat Indices derived from different MODIS products as predictors of avian species richness. <i>Remote Sensing of Environment</i> , 2017 , 195, 142-152	13.2	44
352	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	5.3	6
351	Characterizing historical fire patterns as a guide for harvesting planning using landscape metrics derived from long term satellite imagery. <i>Forest Ecology and Management</i> , 2017 , 399, 155-165	3.9	6
350	Measurements and simulations using the 3-PG model of the water balance and water use efficiency of a lodgepole pine stand following mountain pine beetle attack. <i>Forest Ecology and Management</i> , 2017 , 393, 89-104	3.9	10
349	Introduction to Remote Sensing 2017 , 3-19		1
348	An early warning system to forecast the close of the spring burning window from satellite-observed greenness. <i>Scientific Reports</i> , 2017 , 7, 14190	4.9	11
347	Mapping urban tree species using integrated airborne hyperspectral and LiDAR remote sensing data. <i>Remote Sensing of Environment</i> , 2017 , 200, 170-182	13.2	123
346	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	7.3	29
345	Predicting carbon benefits from climate-smart agriculture: High-resolution carbon mapping and uncertainty assessment in El Salvador. <i>Journal of Environmental Management</i> , 2017 , 202, 287-298	7.9	4

344	Chronicling urbanization and vegetation changes using annual gap free Landsat composites from 1984 to 2012 2017 ,		1
343	Integrating remote sensing and local ecological knowledge to monitor rangeland dynamics. <i>Ecological Indicators</i> , 2017 , 82, 106-116	5.8	45
342	Updating residual stem volume estimates using ALS- and UAV-acquired stereo-photogrammetric point clouds. <i>International Journal of Remote Sensing</i> , 2017 , 38, 2938-2953	3.1	38
341	Barren-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	11.4	17
340	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	2.3	14
339	An ecoregion assessment of projected tree species vulnerabilities in western North America through the 21st century. <i>Global Change Biology</i> , 2017 , 23, 920-932	11.4	24
338	Relationships between individual-tree mortality and water-balance variables indicate positive trends in water stress-induced tree mortality across North America. <i>Global Change Biology</i> , 2017 , 23, 1691-1710	11.4	77
337	Increasing net ecosystem biomass production of Canada's boreal and temperate forests despite decline in dry climates. <i>Global Biogeochemical Cycles</i> , 2017 , 31, 134-158	5.9	23
336	A space-time data cube: Multi-temporal forest structure maps from landsat and lidar 2017 ,		1
335	A Phenological Approach to Spectral Differentiation of Low-Arctic Tundra Vegetation Communities, North Slope, Alaska. <i>Remote Sensing</i> , 2017 , 9, 1200	5	11
334	Unmanned aerial systems for precision forest inventory purposes: A review and case study. <i>Forestry Chronicle</i> , 2017 , 93, 71-81	1	89
333	Differentiation of Alternate Harvesting Practices Using Annual Time Series of Landsat Data. <i>Forests</i> , 2017 , 8, 15	2.8	16
332	Spatial and Temporal Variability of Potential Evaporation across North American Forests. <i>Hydrology</i> , 2017 , 4, 5	2.8	13
331	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	3.7	9
330	Predicting post-fire canopy mortality in the boreal forest from dNBR derived from time series of Landsat data. <i>International Journal of Wildland Fire</i> , 2016 , 25, 762	3.2	6
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4	Estimation of Eucalypt Forest Leaf Area Index on the South Coast of New South Wales using Landsat MSS Data. <i>Australian Journal of Botany</i> , 1997 , 45, 757	1.2	32
3	Biophysical Determinants of Shifting Tundra Vegetation Productivity in the Beaufort Delta Region of Canada. <i>Ecosystems</i> , 1	3.9	1

2	Quantifying the precision of forest stand height and canopy cover estimates derived from air photo interpretation. <i>Forestry</i> ,	2.2	2
1	Tree species, crown cover, and age as determinants of the vertical distribution of airborne LiDAR returns. <i>Trees - Structure and Function</i> ,1	2.6	0