Andrew D Richardson

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28,795 87 167 249 h-index g-index citations papers 8.1 6.97 263 33,256 L-index avg, IF ext. citations ext. papers

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 249 | Recent decline in the global land evapotranspiration trend due to limited moisture supply. <i>Nature</i> , 2010 , 467, 951-4 | 50.4 | 1382 |
| 248 | Climate change, phenology, and phenological control of vegetation feedbacks to the climate system. <i>Agricultural and Forest Meteorology</i> , 2013 , 169, 156-173 | 5.8 | 1121 |
| 247 | Global patterns of land-atmosphere fluxes of carbon dioxide, latent heat, and sensible heat derived from eddy covariance, satellite, and meteorological observations. <i>Journal of Geophysical Research</i> , 2011 , 116, | | 765 |
| 246 | Net carbon dioxide losses of northern ecosystems in response to autumn warming. <i>Nature</i> , 2008 , 451, 49-52 | 50.4 | 759 |
| 245 | CO2 balance of boreal, temperate, and tropical forests derived from a global database. <i>Global Change Biology</i> , 2007 , 13, 2509-2537 | 11.4 | 744 |
| 244 | Increase in forest water-use efficiency as atmospheric carbon dioxide concentrations rise. <i>Nature</i> , 2013 , 499, 324-7 | 50.4 | 719 |
| 243 | An evaluation of noninvasive methods to estimate foliar chlorophyll content. <i>New Phytologist</i> , 2002 , 153, 185-194 | 9.8 | 719 |
| 242 | Intercomparison, interpretation, and assessment of spring phenology in North America estimated from remote sensing for 1982\(\mathbb{Q}\)006. Global Change Biology, 2009, 15, 2335-2359 | 11.4 | 710 |
| 241 | Comprehensive comparison of gap-filling techniques for eddy covariance net carbon fluxes. <i>Agricultural and Forest Meteorology</i> , 2007 , 147, 209-232 | 5.8 | 645 |
| 240 | Influence of spring and autumn phenological transitions on forest ecosystem productivity. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010 , 365, 3227-46 | 5.8 | 594 |
| 239 | Separation of net ecosystem exchange into assimilation and respiration using a light response curve approach: critical issues and global evaluation. <i>Global Change Biology</i> , 2010 , 16, 187-208 | 11.4 | 584 |
| 238 | Terrestrial biosphere models need better representation of vegetation phenology: results from the North American Carbon Program Site Synthesis. <i>Global Change Biology</i> , 2012 , 18, 566-584 | 11.4 | 481 |
| 237 | Evaluation of remote sensing based terrestrial productivity from MODIS using regional tower eddy flux network observations. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2006 , 44, 1908-1925 | 8.1 | 475 |
| 236 | Net carbon uptake has increased through warming-induced changes in temperate forest phenology. <i>Nature Climate Change</i> , 2014 , 4, 598-604 | 21.4 | 442 |
| 235 | Uncertainty in eddy covariance measurements and its application to physiological models. <i>Tree Physiology</i> , 2005 , 25, 873-85 | 4.2 | 418 |
| 234 | Use of digital webcam images to track spring green-up in a deciduous broadleaf forest. <i>Oecologia</i> , 2007 , 152, 323-34 | 2.9 | 415 |
| 233 | Observed increase in local cooling effect of deforestation at higher latitudes. <i>Nature</i> , 2011 , 479, 384-7 | 50.4 | 403 |

(2009-2014)

| 232 | Nonstructural carbon in woody plants. <i>Annual Review of Plant Biology</i> , 2014 , 65, 667-87 | 30.7 | 377 |
|-----|--|------|-----|
| 231 | A multi-site analysis of random error in tower-based measurements of carbon and energy fluxes. <i>Agricultural and Forest Meteorology</i> , 2006 , 136, 1-18 | 5.8 | 361 |
| 230 | Global convergence in the temperature sensitivity of respiration at ecosystem level. <i>Science</i> , 2010 , 329, 838-40 | 33.3 | 358 |
| 229 | Digital repeat photography for phenological research in forest ecosystems. <i>Agricultural and Forest Meteorology</i> , 2012 , 152, 159-177 | 5.8 | 352 |
| 228 | Tracking the rhythm of the seasons in the face of global change: phenological research in the 21st century. <i>Frontiers in Ecology and the Environment</i> , 2009 , 7, 253-260 | 5.5 | 350 |
| 227 | Near-surface remote sensing of spatial and temporal variation in canopy phenology 2009 , 19, 1417-28 | | 340 |
| 226 | Phenology of a northern hardwood forest canopy. <i>Global Change Biology</i> , 2006 , 12, 1174-1188 | 11.4 | 305 |
| 225 | Solar-induced chlorophyll fluorescence that correlates with canopy photosynthesis on diurnal and seasonal scales in a temperate deciduous forest. <i>Geophysical Research Letters</i> , 2015 , 42, 2977-2987 | 4.9 | 303 |
| 224 | Spatial and temporal variability in forestEtmosphere CO2 exchange. <i>Global Change Biology</i> , 2004 , 10, 1689-1706 | 11.4 | 289 |
| 223 | Canopy nitrogen, carbon assimilation, and albedo in temperate and boreal forests: Functional relations and potential climate feedbacks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 19336-41 | 11.5 | 275 |
| 222 | Influence of spring phenology on seasonal and annual carbon balance in two contrasting New England forests. <i>Tree Physiology</i> , 2009 , 29, 321-31 | 4.2 | 263 |
| 221 | Improving land surface models with FLUXNET data. <i>Biogeosciences</i> , 2009 , 6, 1341-1359 | 4.6 | 260 |
| 220 | Seasonal dynamics and age of stemwood nonstructural carbohydrates in temperate forest trees. <i>New Phytologist</i> , 2013 , 197, 850-861 | 9.8 | 247 |
| 219 | A model-data comparison of gross primary productivity: Results from the North American Carbon Program site synthesis. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a | | 239 |
| 218 | Warm spring reduced carbon cycle impact of the 2012 US summer drought. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 5880-5 | 11.5 | 232 |
| 217 | Macrosystems ecology: understanding ecological patterns and processes at continental scales. <i>Frontiers in Ecology and the Environment</i> , 2014 , 12, 5-14 | 5.5 | 230 |
| 216 | Intercomparison of MODIS albedo retrievals and in situ measurements across the global FLUXNET network. <i>Remote Sensing of Environment</i> , 2012 , 121, 323-334 | 13.2 | 221 |
| 215 | A regional perspective on trends in continental evaporation. <i>Geophysical Research Letters</i> , 2009 , 36, n/a | -ц/э | 221 |

| 214 | Cross-site evaluation of eddy covariance GPP and RE decomposition techniques. <i>Agricultural and Forest Meteorology</i> , 2008 , 148, 821-838 | 5.8 | 221 |
|-----|---|------|-----|
| 213 | Optimizing spectral indices and chemometric analysis of leaf chemical properties using radiative transfer modeling. <i>Remote Sensing of Environment</i> , 2011 , 115, 2742-2750 | 13.2 | 215 |
| 212 | The MODIS (Collection V005) BRDF/albedo product: Assessment of spatial representativeness over forested landscapes. <i>Remote Sensing of Environment</i> , 2009 , 113, 2476-2498 | 13.2 | 208 |
| 211 | Assimilation exceeds respiration sensitivity to drought: A FLUXNET synthesis. <i>Global Change Biology</i> , 2010 , 16, 657-670 | 11.4 | 203 |
| 210 | Refining light-use efficiency calculations for a deciduous forest canopy using simultaneous tower-based carbon flux and radiometric measurements. <i>Agricultural and Forest Meteorology</i> , 2007 , 143, 64-79 | 5.8 | 202 |
| 209 | Linking near-surface and satellite remote sensing measurements of deciduous broadleaf forest phenology. <i>Remote Sensing of Environment</i> , 2012 , 117, 307-321 | 13.2 | 201 |
| 208 | Environmental variation is directly responsible for short- but not long-term variation in forest-atmosphere carbon exchange. <i>Global Change Biology</i> , 2007 , 13, 788-803 | 11.4 | 198 |
| 207 | Terrestrial biosphere model performance for inter-annual variability of land-atmosphere CO2 exchange. <i>Global Change Biology</i> , 2012 , 18, 1971-1987 | 11.4 | 191 |
| 206 | Estimation of net ecosystem carbon exchange for the conterminous United States by combining MODIS and AmeriFlux data. <i>Agricultural and Forest Meteorology</i> , 2008 , 148, 1827-1847 | 5.8 | 191 |
| 205 | Evaluating remote sensing of deciduous forest phenology at multiple spatial scales using PhenoCam imagery. <i>Biogeosciences</i> , 2014 , 11, 4305-4320 | 4.6 | 189 |
| 204 | Tracking vegetation phenology across diverse North American biomes using PhenoCam imagery. <i>Scientific Data</i> , 2018 , 5, 180028 | 8.2 | 187 |
| 203 | Response of sugar maple to calcium addition to northern hardwood forest. <i>Ecology</i> , 2006 , 87, 1267-80 | 4.6 | 185 |
| 202 | A continuous measure of gross primary production for the conterminous United States derived from MODIS and AmeriFlux data. <i>Remote Sensing of Environment</i> , 2010 , 114, 576-591 | 13.2 | 183 |
| 201 | The timing of autumn senescence is affected by the timing of spring phenology: implications for predictive models. <i>Global Change Biology</i> , 2015 , 21, 2634-2641 | 11.4 | 172 |
| 200 | Ecological impacts of a widespread frost event following early spring leaf-out. <i>Global Change Biology</i> , 2012 , 18, 2365-2377 | 11.4 | 168 |
| 199 | Patterns and controls of the variability of radiation use efficiency and primary productivity across terrestrial ecosystems. <i>Global Ecology and Biogeography</i> , 2010 , 19, 253-267 | 6.1 | 158 |
| 198 | Landscape controls on the timing of spring, autumn, and growing season length in mid-Atlantic forests. <i>Global Change Biology</i> , 2012 , 18, 656-674 | 11.4 | 156 |
| 197 | Using digital repeat photography and eddy covariance data to model grassland phenology and photosynthetic CO2 uptake. <i>Agricultural and Forest Meteorology</i> , 2011 , 151, 1325-1337 | 5.8 | 154 |

| 196 | Tracking forest phenology and seasonal physiology using digital repeat photography: a critical assessment 2014 , 24, 1478-89 | | 153 | |
|-----|--|------|-----|--|
| 195 | Statistical modeling of ecosystem respiration using eddy covariance data: Maximum likelihood parameter estimation, and Monte Carlo simulation of model and parameter uncertainty, applied to three simple models. <i>Agricultural and Forest Meteorology</i> , 2005 , 131, 191-208 | 5.8 | 153 | |
| 194 | A distinct seasonal pattern of the ratio of soil respiration to total ecosystem respiration in a spruce-dominated forest. <i>Global Change Biology</i> , 2006 , 12, 230-239 | 11.4 | 151 | |
| 193 | Ecosystem warming extends vegetation activity but heightens vulnerability to cold temperatures. <i>Nature</i> , 2018 , 560, 368-371 | 50.4 | 149 | |
| 192 | Assessing net ecosystem carbon exchange of U.S. terrestrial ecosystems by integrating eddy covariance flux measurements and satellite observations. <i>Agricultural and Forest Meteorology</i> , 2011 , 151, 60-69 | 5.8 | 145 | |
| 191 | Using phenocams to monitor our changing Earth: toward a global phenocam network. <i>Frontiers in Ecology and the Environment</i> , 2016 , 14, 84-93 | 5.5 | 140 | |
| 190 | A method to estimate the additional uncertainty in gap-filled NEE resulting from long gaps in the CO2 flux record. <i>Agricultural and Forest Meteorology</i> , 2007 , 147, 199-208 | 5.8 | 139 | |
| 189 | Using model-data fusion to interpret past trends, and quantify uncertainties in future projections, of terrestrial ecosystem carbon cycling. <i>Global Change Biology</i> , 2012 , 18, 2555-2569 | 11.4 | 135 | |
| 188 | Widespread seasonal compensation effects of spring warming on northern plant productivity. <i>Nature</i> , 2018 , 562, 110-114 | 50.4 | 134 | |
| 187 | Age, allocation and availability of nonstructural carbon in mature red maple trees. <i>New Phytologist</i> , 2013 , 200, 1145-55 | 9.8 | 129 | |
| 186 | Estimating parameters of a forest ecosystem C model with measurements of stocks and fluxes as joint constraints. <i>Oecologia</i> , 2010 , 164, 25-40 | 2.9 | 129 | |
| 185 | The REFLEX project: Comparing different algorithms and implementations for the inversion of a terrestrial ecosystem model against eddy covariance data. <i>Agricultural and Forest Meteorology</i> , 2009 , 149, 1597-1615 | 5.8 | 124 | |
| 184 | Climate and hydrological changes in the northeastern United States: recent trends and implications for forested and aquatic ecosystemsThis article is one of a selection of papers from NE Forests 2100: A Synthesis of Climate Change Impacts on Forests of the Northeastern US and Eastern | 1.9 | 124 | |
| 183 | Canada Canadian Journal of Forest Research, 2009, 39, 199-212 Albedo estimates for land surface models and support for a new paradigm based on foliage nitrogen concentration. Global Change Biology, 2010, 16, 696-710 | 11.4 | 123 | |
| 182 | Is the spherical leaf inclination angle distribution a valid assumption for temperate and boreal broadleaf tree species?. <i>Agricultural and Forest Meteorology</i> , 2013 , 169, 186-194 | 5.8 | 120 | |
| 181 | Measuring effective leaf area index, foliage profile, and stand height in New England forest stands using a full-waveform ground-based lidar. <i>Remote Sensing of Environment</i> , 2011 , 115, 2954-2964 | 13.2 | 118 | |
| 180 | Statistical properties of random CO2 flux measurement uncertainty inferred from model residuals. <i>Agricultural and Forest Meteorology</i> , 2008 , 148, 38-50 | 5.8 | 117 | |
| 179 | On the uncertainty of phenological responses to climate change, and implications for a terrestrial biosphere model. <i>Biogeosciences</i> , 2012 , 9, 2063-2083 | 4.6 | 115 | |

| 178 | Biosphere-atmosphere exchange of CO₂ in relation to climate: a cross-biome analysis across multiple time scales. <i>Biogeosciences</i> , 2009 , 6, 2297-2312 | 4.6 | 115 |
|-----|--|------|-----|
| 177 | A Dynamic Landsat Derived Normalized Difference Vegetation Index (NDVI) Product for the Conterminous United States. <i>Remote Sensing</i> , 2017 , 9, 863 | 5 | 110 |
| 176 | Comparing simple respiration models for eddy flux and dynamic chamber data. <i>Agricultural and Forest Meteorology</i> , 2006 , 141, 219-234 | 5.8 | 110 |
| 175 | Assessing foliar chlorophyll contents with the SPAD-502 chlorophyll meter: a calibration test with thirteen tree species of tropical rainforest in French Guiana. <i>Annals of Forest Science</i> , 2010 , 67, 607-607 | 3.1 | 106 |
| 174 | Assessing parameter variability in a photosynthesis model within and between plant functional types using global Fluxnet eddy covariance data. <i>Agricultural and Forest Meteorology</i> , 2011 , 151, 22-38 | 5.8 | 105 |
| 173 | Semiempirical modeling of abiotic and biotic factors controlling ecosystem respiration across eddy covariance sites. <i>Global Change Biology</i> , 2011 , 17, 390-409 | 11.4 | 102 |
| 172 | Greenness indices from digital cameras predict the timing and seasonal dynamics of canopy-scale photosynthesis 2015 , 25, 99-115 | | 100 |
| 171 | Predicting climate change impacts on the amount and duration of autumn colors in a New England forest. <i>PLoS ONE</i> , 2013 , 8, e57373 | 3.7 | 100 |
| 170 | Productivity of North American grasslands is increased under future climate scenarios despite rising aridity. <i>Nature Climate Change</i> , 2016 , 6, 710-714 | 21.4 | 99 |
| 169 | ECOSTRESS: NASA's Next Generation Mission to Measure Evapotranspiration From the International Space Station. <i>Water Resources Research</i> , 2020 , 56, e2019WR026058 | 5.4 | 98 |
| 168 | Using data from Landsat, MODIS, VIIRS and PhenoCams to monitor the phenology of California oak/grass savanna and open grassland across spatial scales. <i>Agricultural and Forest Meteorology</i> , 2017 , 237-238, 311-325 | 5.8 | 96 |
| 167 | Phenopix: A R package for image-based vegetation phenology. <i>Agricultural and Forest Meteorology</i> , 2016 , 220, 141-150 | 5.8 | 93 |
| 166 | Phenology model from surface meteorology does not capture satellite-based greenup estimations. <i>Global Change Biology</i> , 2007 , 13, 707-721 | 11.4 | 93 |
| 165 | Disentangling the role of photosynthesis and stomatal conductance on rising forest water-use efficiency. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 16909-16914 | 11.5 | 91 |
| 164 | The model-data fusion pitfall: assuming certainty in an uncertain world. <i>Oecologia</i> , 2011 , 167, 587-97 | 2.9 | 91 |
| 163 | Multisite analysis of land surface phenology in North American temperate and boreal deciduous forests from Landsat. <i>Remote Sensing of Environment</i> , 2016 , 186, 452-464 | 13.2 | 88 |
| 162 | Evaluation of land surface phenology from VIIRS data using time series of PhenoCam imagery. <i>Agricultural and Forest Meteorology</i> , 2018 , 256-257, 137-149 | 5.8 | 85 |
| 161 | Latitudinal patterns of magnitude and interannual variability in net ecosystem exchange regulated by biological and environmental variables. <i>Global Change Biology</i> , 2009 , 15, 2905-2920 | 11.4 | 84 |

(2010-2008)

| 160 | A conceptual and practical approach to data quality and analysis procedures for high-frequency soil respiration measurements. <i>Functional Ecology</i> , 2008 , 22, 1000-1007 | 5.6 | 83 | |
|-----|---|-------------------|----|--|
| 159 | Spectral reflectance and photosynthetic properties of Betula papyrifera (Betulaceae) leaves along an elevational gradient on Mt. Mansfield, Vermont, USA. <i>American Journal of Botany</i> , 2002 , 89, 88-94 | 2.7 | 83 | |
| 158 | Standardized protocols and procedures can precisely and accurately quantify non-structural carbohydrates. <i>Tree Physiology</i> , 2018 , 38, 1764-1778 | 4.2 | 82 | |
| 157 | Steeper declines in forest photosynthesis than respiration explain age-driven decreases in forest growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 885 | 6-60 ⁵ | 79 | |
| 156 | Using FLUXNET data to improve models of springtime vegetation activity onset in forest ecosystems. <i>Agricultural and Forest Meteorology</i> , 2013 , 171-172, 46-56 | 5.8 | 79 | |
| 155 | Distribution and mixing of old and new nonstructural carbon in two temperate trees. <i>New Phytologist</i> , 2015 , 206, 590-7 | 9.8 | 78 | |
| 154 | FLUXNET-CH4 Synthesis Activity: Objectives, Observations, and Future Directions. <i>Bulletin of the American Meteorological Society</i> , 2019 , 100, 2607-2632 | 6.1 | 77 | |
| 153 | OptIC project: An intercomparison of optimization techniques for parameter estimation in terrestrial biogeochemical models. <i>Journal of Geophysical Research</i> , 2007 , 112, | | 74 | |
| 152 | Statistical uncertainty of eddy fluxBased estimates of gross ecosystem carbon exchange at Howland Forest, Maine. <i>Journal of Geophysical Research</i> , 2006 , 111, | | 74 | |
| 151 | An integrated phenology modelling framework in r. <i>Methods in Ecology and Evolution</i> , 2018 , 9, 1276-12 | 8 <i>5</i> 7.7 | 73 | |
| 150 | Data-driven diagnostics of terrestrial carbon dynamics over North America. <i>Agricultural and Forest Meteorology</i> , 2014 , 197, 142-157 | 5.8 | 73 | |
| 149 | Changes in foliar spectral reflectance and chlorophyll fluorescence of four temperate species following branch cutting. <i>Tree Physiology</i> , 2002 , 22, 499-506 | 4.2 | 73 | |
| 148 | Whole-tree nonstructural carbohydrate storage and seasonal dynamics in five temperate species. <i>New Phytologist</i> , 2019 , 221, 1466-1477 | 9.8 | 73 | |
| 147 | Intercomparison of phenological transition dates derived from the PhenoCam Dataset V1.0 and MODIS satellite remote sensing. <i>Scientific Reports</i> , 2018 , 8, 5679 | 4.9 | 71 | |
| 146 | Fine-scale perspectives on landscape phenology from unmanned aerial vehicle (UAV) photography. <i>Agricultural and Forest Meteorology</i> , 2018 , 248, 397-407 | 5.8 | 70 | |
| 145 | Constraining a global ecosystem model with multi-site eddy-covariance data. <i>Biogeosciences</i> , 2012 , 9, 3757-3776 | 4.6 | 70 | |
| 144 | Phenological Differences Between Understory and Overstory 2009 , 87-117 | | 69 | |
| 143 | Estimating Uncertainty in Ecosystem Budget Calculations. <i>Ecosystems</i> , 2010 , 13, 239-248 | 3.9 | 69 | |

| 142 | Three scales of temporal resolution from automated soil respiration measurements. <i>Agricultural and Forest Meteorology</i> , 2009 , 149, 2012-2021 | 5.8 | 68 |
|-----|--|------|----|
| 141 | Multiscale modeling of spring phenology across Deciduous Forests in the Eastern United States. <i>Global Change Biology</i> , 2016 , 22, 792-805 | 11.4 | 68 |
| 140 | Attaining whole-ecosystem warming using air and deep-soil heating methods with an elevated CO₂ atmosphere. <i>Biogeosciences</i> , 2017 , 14, 861-883 | 4.6 | 67 |
| 139 | A tale of two springs: using recent climate anomalies to characterize the sensitivity of temperate forest phenology to climate change. <i>Environmental Research Letters</i> , 2014 , 9, 054006 | 6.2 | 67 |
| 138 | Characterizing the performance of ecosystem models across time scales: A spectral analysis of the North American Carbon Program site-level synthesis. <i>Journal of Geophysical Research</i> , 2011 , 116, | | 66 |
| 137 | Evaluation of continental carbon cycle simulations with North American flux tower observations. <i>Ecological Monographs</i> , 2013 , 83, 531-556 | 9 | 63 |
| 136 | Rate my data: quantifying the value of ecological data for the development of models of the terrestrial carbon cycle 2013 , 23, 273-86 | | 63 |
| 135 | Characterization of seasonal variation of forest canopy in a temperate deciduous broadleaf forest, using daily MODIS data. <i>Remote Sensing of Environment</i> , 2006 , 105, 189-203 | 13.2 | 60 |
| 134 | Uncertainty Quantification 2012 , 173-209 | | 59 |
| 133 | Continuous, long-term, high-frequency thermal imaging of vegetation: Uncertainties and recommended best practices. <i>Agricultural and Forest Meteorology</i> , 2016 , 228-229, 315-326 | 5.8 | 59 |
| 132 | Microclimatology of treeline spruce?fir forests in mountains of the northeastern United States. <i>Agricultural and Forest Meteorology</i> , 2004 , 125, 53-66 | 5.8 | 58 |
| 131 | Multivariate analyses of visible/near infrared (VIS/NIR) absorbance spectra reveal underlying spectral differences among dried, ground conifer needle samples from different growth environments. <i>New Phytologist</i> , 2004 , 161, 291-301 | 9.8 | 56 |
| 130 | Phenology from Landsat when data is scarce: Using MODIS and Dynamic Time-Warping to combine multi-year Landsat imagery to derive annual phenology curves. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2017 , 54, 72-83 | 7.3 | 55 |
| 129 | Monitoring vegetation phenology using an infrared-enabled security camera. <i>Agricultural and Forest Meteorology</i> , 2014 , 195-196, 143-151 | 5.8 | 51 |
| 128 | Linking big models to big data: efficient ecosystem model calibration through Bayesian model emulation. <i>Biogeosciences</i> , 2018 , 15, 5801-5830 | 4.6 | 51 |
| 127 | Reflectance of Alaskan black spruce and white spruce foliage in relation to elevation and latitude. <i>Tree Physiology</i> , 2003 , 23, 537-44 | 4.2 | 50 |
| 126 | Spectral reflectance of Picea rubens (Pinaceae) and Abies balsamea (Pinaceae) needles along an elevational gradient, Mt. Moosilauke, New Hampshire, USA. <i>American Journal of Botany</i> , 2001 , 88, 667-67 | 767 | 50 |
| 125 | Remote sensing of annual terrestrial gross primary productivity from MODIS: an assessment using the FLUXNET La Thuile data set. <i>Biogeosciences</i> , 2014 , 11, 2185-2200 | 4.6 | 49 |

| 124 | Approaches to advance scientific understanding of macrosystems ecology. <i>Frontiers in Ecology and the Environment</i> , 2014 , 12, 15-23 | 5.5 | 47 | |
|-----|---|--------|----|--|
| 123 | Urban warming advances spring phenology but reduces the response of phenology to temperature in the conterminous United States. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 4228-4233 | 11.5 | 46 | |
| 122 | Foliar chemistry of balsam fir and red spruce in relation to elevation and the canopy light gradient in the mountains of the northeastern United States. <i>Plant and Soil</i> , 2004 , 260, 291-299 | 4.2 | 46 | |
| 121 | Limitations to winter and spring photosynthesis of a Rocky Mountain subalpine forest. <i>Agricultural and Forest Meteorology</i> , 2018 , 252, 241-255 | 5.8 | 45 | |
| 120 | Spectral reflectance of Thalassia testudinum (Hydrocharitaceae) seagrass: low salinity effects. <i>American Journal of Botany</i> , 2006 , 93, 110-117 | 2.7 | 44 | |
| 119 | NDVI derived from near-infrared-enabled digital cameras: Applicability across different plant functional types. <i>Agricultural and Forest Meteorology</i> , 2018 , 249, 275-285 | 5.8 | 44 | |
| 118 | Phenocams Bridge the Gap between Field and Satellite Observations in an Arid Grassland Ecosystem. <i>Remote Sensing</i> , 2017 , 9, 1071 | 5 | 43 | |
| 117 | A new seasonal-deciduous spring phenology submodel in the Community Land Model 4.5: impacts on carbon and water cycling under future climate scenarios. <i>Global Change Biology</i> , 2016 , 22, 3675-3688 | 3 11.4 | 43 | |
| 116 | Using Near-Infrared-Enabled Digital Repeat Photography to Track Structural and Physiological Phenology in Mediterranean Tree©rass Ecosystems. <i>Remote Sensing</i> , 2018 , 10, 1293 | 5 | 43 | |
| 115 | Evidence for a Rising Cloud Ceiling in Eastern North America*. <i>Journal of Climate</i> , 2003 , 16, 2093-2098 | 4.4 | 43 | |
| 114 | Representativeness of Eddy-Covariance flux footprints for areas surrounding AmeriFlux sites. Agricultural and Forest Meteorology, 2021 , 301-302, 108350 | 5.8 | 43 | |
| 113 | Impact of hydrological variations on modeling of peatland CO2 fluxes: Results from the North American Carbon Program site synthesis. <i>Journal of Geophysical Research</i> , 2012 , 117, | | 42 | |
| 112 | The global network of outdoor webcams 2009, | | 42 | |
| 111 | Influence of physiological phenology on the seasonal pattern of ecosystem respiration in deciduous forests. <i>Global Change Biology</i> , 2015 , 21, 363-76 | 11.4 | 41 | |
| 110 | Linking annual tree growth with eddy-flux measures of net ecosystem productivity across twenty years of observation in a mixed conifer forest. <i>Agricultural and Forest Meteorology</i> , 2018 , 249, 479-487 | 5.8 | 41 | |
| 109 | Canopy-scale relationships between foliar nitrogen and albedo are not observed in leaf reflectance and transmittance within temperate deciduous tree species. <i>Botany</i> , 2011 , 89, 491-497 | 1.3 | 40 | |
| 108 | Season Spotter: Using Citizen Science to Validate and Scale Plant Phenology from Near-Surface Remote Sensing. <i>Remote Sensing</i> , 2016 , 8, 726 | 5 | 39 | |
| 107 | Tracking vegetation phenology across diverse biomes using Version 2.0 of the PhenoCam Dataset. <i>Scientific Data</i> , 2019 , 6, 222 | 8.2 | 38 | |

| 106 | Climate change at the ecosystem scale: a 50-year record in New Hampshire. <i>Climatic Change</i> , 2013 , 116, 457-477 | 4.5 | 38 |
|-----|---|-------|----|
| 105 | Observing Spring and Fall Phenology in a Deciduous Forest with Aerial Drone Imagery. <i>Sensors</i> , 2017 , 17, | 3.8 | 38 |
| 104 | Leaf area index uncertainty estimates for modelData fusion applications. <i>Agricultural and Forest Meteorology</i> , 2011 , 151, 1287-1292 | 5.8 | 38 |
| 103 | Tracking seasonal rhythms of plants in diverse ecosystems with digital camera imagery. <i>New Phytologist</i> , 2019 , 222, 1742-1750 | 9.8 | 38 |
| 102 | Daily MODIS 500 m reflectance anisotropy direct broadcast (DB) products for monitoring vegetation phenology dynamics. <i>International Journal of Remote Sensing</i> , 2013 , 34, 5997-6016 | 3.1 | 37 |
| 101 | Forest ecosystem changes from annual methane source to sink depending on late summer water balance. <i>Geophysical Research Letters</i> , 2014 , 41, 673-679 | 4.9 | 36 |
| 100 | Stomatal Length Correlates with Elevation of Growth in Four Temperate Species <i>Journal of Sustainable Forestry</i> , 2009 , 28, 63-73 | 1.2 | 36 |
| 99 | Within-crown Foliar Plasticity of Western Hemlock, Tsuga heterophylla, in Relation to Stand Age. <i>Annals of Botany</i> , 2001 , 88, 1007-1015 | 4.1 | 36 |
| 98 | Thermal imaging in plant and ecosystem ecology: applications and challenges. <i>Ecosphere</i> , 2019 , 10, e02 | 276.8 | 35 |
| 97 | On the need to consider wood formation processes in global vegetation models and a suggested approach. <i>Annals of Forest Science</i> , 2019 , 76, 1 | 3.1 | 34 |
| 96 | Interannual variation of carbon fluxes from three contrasting evergreen forests: the role of forest dynamics and climate. <i>Ecology</i> , 2009 , 90, 2711-23 | 4.6 | 33 |
| 95 | Spectral reflectance of the seagrasses: Thalassia testudinum, Halodule wrightii, Syringodium filiforme and five marine algae. <i>International Journal of Remote Sensing</i> , 2007 , 28, 1487-1501 | 3.1 | 33 |
| 94 | Quantitative reflectance spectroscopy as an alternative to traditional wet lab analysis of foliar chemistry: near-infrared and mid-infrared calibrations compared. <i>Canadian Journal of Forest Research</i> , 2005 , 35, 1122-1130 | 1.9 | 33 |
| 93 | Seasonal variation of photosynthetic model parameters and leaf area index from global Fluxnet eddy covariance data. <i>Journal of Geophysical Research</i> , 2011 , 116, | | 32 |
| 92 | On the relationship between continuous measures of canopy greenness derived using near-surface remote sensing and satellite-derived vegetation products. <i>Agricultural and Forest Meteorology</i> , 2017 , 247, 280-292 | 5.8 | 30 |
| 91 | Endogenous circadian regulation of carbon dioxide exchange in terrestrial ecosystems. <i>Global Change Biology</i> , 2012 , 18, 1956-1970 | 11.4 | 30 |
| 90 | A Review of the Theories to Explain Arctic and Alpine Treelines Around the World. <i>Journal of Sustainable Forestry</i> , 2009 , 28, 218-242 | 1.2 | 28 |
| 89 | Plant carbon allocation in a changing world - challenges and progress: introduction to a Virtual Issue on carbon allocation: Introduction to a virtual issue on carbon allocation. <i>New Phytologist</i> , 2020 , 227, 981-988 | 9.8 | 28 |

| 88 | Merging a mechanistic enzymatic model of soil heterotrophic respiration into an ecosystem model in two AmeriFlux sites of northeastern USA. <i>Agricultural and Forest Meteorology</i> , 2018 , 252, 155-166 | 5.8 | 27 |
|----|--|------------------|----|
| 87 | Estimation of plant area index and phenological transition dates from digital repeat photography and radiometric approaches in a hardwood forest in the Northeastern United States. <i>Agricultural and Forest Meteorology</i> , 2018 , 249, 457-466 | 5.8 | 27 |
| 86 | On quantifying the apparent temperature sensitivity of plant phenology. <i>New Phytologist</i> , 2020 , 225, 1033-1040 | 9.8 | 27 |
| 85 | Global Climate. Bulletin of the American Meteorological Society, 2020 , 101, S9-S128 | 6.1 | 26 |
| 84 | Carbon budget of the Harvard Forest Long-Term Ecological Research site: pattern, process, and response to global change. <i>Ecological Monographs</i> , 2020 , 90, e01423 | 9 | 26 |
| 83 | Evaluating the agreement between measurements and models of net ecosystem exchange at different times and timescales using wavelet coherence: an example using data from the North American Carbon Program Site-Level Interim Synthesis. <i>Biogeosciences</i> , 2013 , 10, 6893-6909 | 4.6 | 25 |
| 82 | Testing Hopkins' Bioclimatic Law with PhenoCam data. <i>Applications in Plant Sciences</i> , 2019 , 7, e01228 | 2.3 | 24 |
| 81 | Nitrogen cycling, forest canopy reflectance, and emergent properties of ecosystems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, E2437 | 11.5 | 24 |
| 80 | Comment on Vickers et al.: Self-correlation between assimilation and respiration resulting from flux partitioning of eddy-covariance CO2 fluxes. <i>Agricultural and Forest Meteorology</i> , 2010 , 150, 312-314 | 4 ^{5.8} | 24 |
| 79 | Predicting root biomass from branching patterns of Douglas-fir root systems. <i>Oikos</i> , 2003 , 100, 96-104 | 4 | 24 |
| 78 | Constrained partitioning of autotrophic and heterotrophic respiration reduces model uncertainties of forest ecosystem carbon fluxes but not stocks. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016 , 121, 2476-2492 | 3.7 | 23 |
| 77 | FLUXNET-CH₄: a global, multi-ecosystem dataset and analysis of methane seasonality from freshwater wetlands. <i>Earth System Science Data</i> , 2021 , 13, 3607-3689 | 10.5 | 23 |
| 76 | Model-based analysis of the impact of diffuse radiation on CO2 exchange in a temperate deciduous forest. <i>Agricultural and Forest Meteorology</i> , 2018 , 249, 377-389 | 5.8 | 23 |
| 75 | Carbon fluxes and interannual drivers in a temperate forest ecosystem assessed through comparison of top-down and bottom-up approaches. <i>Agricultural and Forest Meteorology</i> , 2018 , 256-257, 420-430 | 5.8 | 22 |
| 74 | Partitioning of Net Fluxes 2012 , 263-289 | | 22 |
| 73 | Detecting the critical periods that underpin interannual fluctuations in the carbon balance of European forests. <i>Journal of Geophysical Research</i> , 2010 , 115, | | 21 |
| 72 | Variation in foliar nitrogen and albedo in response to nitrogen fertilization and elevated CO2. <i>Oecologia</i> , 2012 , 169, 915-25 | 2.9 | 19 |
| 71 | Volunteer recruitment and retention in online citizen science projects using marketing strategies: lessons from Season Spotter. <i>Journal of Science Communication</i> , 2017 , 16, A01 | 2 | 18 |

| 7° | An empirical model simulating diurnal and seasonal CO₂ flux for diverse vegetation types and climate conditions. <i>Biogeosciences</i> , 2009 , 6, 585-599 | 4.6 | 18 |
|----|--|------|----|
| 69 | Near-Surface Sensor-Derived Phenology 2013 , 413-430 | | 17 |
| 68 | Six years of ecosystem-atmosphere greenhouse gas fluxes measured in a sub-boreal forest. <i>Scientific Data</i> , 2019 , 6, 117 | 8.2 | 15 |
| 67 | Novel Measurements of Fine-Scale Albedo: Using a Commercial Quadcopter to Measure Radiation Fluxes. <i>Remote Sensing</i> , 2018 , 10, 1303 | 5 | 15 |
| 66 | Later springs green-up faster: the relation between onset and completion of green-up in deciduous forests of North America. <i>International Journal of Biometeorology</i> , 2018 , 62, 1645-1655 | 3.7 | 15 |
| 65 | Evaluating remote sensing of deciduous forest phenology at multiple spatial scales using PhenoCam imagery | | 13 |
| 64 | Multiscale assessment of land surface phenology from harmonized Landsat 8 and Sentinel-2, PlanetScope, and PhenoCam imagery. <i>Remote Sensing of Environment</i> , 2021 , 266, 112716 | 13.2 | 13 |
| 63 | Sensitivity of Deciduous Forest Phenology to Environmental Drivers: Implications for Climate Change Impacts Across North America. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL086788 | 4.9 | 12 |
| 62 | Coarse root elongation rate estimates for interior Douglas-fir. <i>Tree Physiology</i> , 2000 , 20, 825-829 | 4.2 | 12 |
| 61 | Nutrients and water availability constrain the seasonality of vegetation activity in a Mediterranean ecosystem. <i>Global Change Biology</i> , 2020 , 26, 4379-4400 | 11.4 | 11 |
| 60 | Why is there a Home Bias? A Case Study of Wine*. Journal of Wine Economics, 2011, 6, 37-66 | 0.8 | 11 |
| 59 | Improving land surface models with FLUXNET data | | 11 |
| 58 | Data extraction from digital repeat photography using xROI: An interactive framework to facilitate the process. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2019 , 152, 132-144 | 11.8 | 10 |
| 57 | Effects of forest tent caterpillar defoliation on carbon and water fluxes in a boreal aspen stand. <i>Agricultural and Forest Meteorology</i> , 2018 , 253-254, 176-189 | 5.8 | 10 |
| 56 | Phenology of Forest-Atmosphere Carbon Exchange for Deciduous and Coniferous Forests in Southern and Northern New England 2009 , 119-141 | | 10 |
| 55 | Integrating continuous atmospheric boundary layer and tower-based flux measurements to advance understanding of land-atmosphere interactions. <i>Agricultural and Forest Meteorology</i> , 2021 , 307, 108509 | 5.8 | 10 |
| 54 | Remote sensing of annual terrestrial gross primary productivity from MODIS: an assessment using the FLUXNET La Thuile dataset | | 9 |
| 53 | Evaluation of VEGETATION and PROBA-V Phenology Using PhenoCam and Eddy Covariance Data. <i>Remote Sensing</i> , 2020 , 12, 3077 | 5 | 9 |

(2000-2021)

| 52 | Seasonal variation in the canopy color of temperate evergreen conifer forests. <i>New Phytologist</i> , 2021 , 229, 2586-2600 | 9.8 | 9 |
|----|---|-------------------|---|
| 51 | Using Direct Phloem Transport Manipulation to Advance Understanding of Carbon Dynamics in Forest Trees. <i>Frontiers in Forests and Global Change</i> , 2019 , 2, | 3.7 | 8 |
| 50 | Seasonal fluctuation of nonstructural carbohydrates reveals the metabolic availability of stemwood reserves in temperate trees with contrasting wood anatomy. <i>Tree Physiology</i> , 2020 , 40, 1355-1365 | 4.2 | 8 |
| 49 | Models to predict the start of the airborne pollen season. <i>International Journal of Biometeorology</i> , 2015 , 59, 837-48 | 3.7 | 8 |
| 48 | Response to Comment on "Global Convergence in the Temperature Sensitivity of Respiration at Ecosystem Level". <i>Science</i> , 2011 , 331, 1265-1265 | 33.3 | 8 |
| 47 | Foliar plasticity of hybrid spruce in relation to crown position and stand age. <i>Canadian Journal of Botany</i> , 2000 , 78, 305-317 | | 8 |
| 46 | Constraining a global ecosystem model with multi-site eddy-covariance data | | 8 |
| 45 | Using time series of MODIS land surface phenology to model temperature and photoperiod controls on spring greenup in North American deciduous forests. <i>Remote Sensing of Environment</i> , 2021 , 260, 112466 | 13.2 | 8 |
| 44 | Extremes in Benthic Ecosystem Services; Blue Carbon Natural Capital Shallower Than 1000 m in Isolated, Small, and Young Ascension Island EEZ. <i>Frontiers in Marine Science</i> , 2019 , 6, | 4.5 | 8 |
| 43 | Integrating camera imagery, crowdsourcing, and deep learning to improve high-frequency automated monitoring of snow at continental-to-global scales. <i>PLoS ONE</i> , 2018 , 13, e0209649 | 3.7 | 8 |
| 42 | Mesic Temperate Deciduous Forest Phenology 2013 , 211-224 | | 7 |
| 41 | Decomposing reflectance spectra to track gross primary production in a subalpine evergreen forest. <i>Biogeosciences</i> , 2020 , 17, 4523-4544 | 4.6 | 7 |
| 40 | On the uncertainty of phenological responses to climate change and its implication for terrestrial biosphere models | | 7 |
| 39 | A steady-state approximation approach to simulate seasonal leaf dynamics of deciduous broadleaf forests via climate variables. <i>Agricultural and Forest Meteorology</i> , 2018 , 249, 44-56 | 5.8 | 7 |
| 38 | A New Perspective on Ecological Prediction Reveals Limits to Climate Adaptation in a Temperate Tree Species. <i>Current Biology</i> , 2020 , 30, 1447-1453.e4 | 6.3 | 6 |
| 37 | Spectral reflectance of Picea rubens (Pinaceae) and Abies balsamea (Pinaceae) needles along an elevational gradient, Mt. Moosilauke, New Hampshire, USA. <i>American Journal of Botany</i> , 2001 , 88, 667-7 | 76 ^{2.7} | 6 |
| 36 | Reply to Fisher: Nitrogen-albedo relationship in forests remains robust and thought-provoking. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, E17-E17 | 11.5 | 5 |
| 35 | ARE SOILS LIKE SPONGES?1. Journal of the American Water Resources Association, 2000 , 36, 913-918 | 2.1 | 5 |

| 34 | Photoperiod decelerates the advance of spring phenology of six deciduous tree species under climate warming. <i>Global Change Biology</i> , 2021 , 27, 2914-2927 | 11.4 | 5 |
|----|--|------|---|
| 33 | Developmental changes in the reflectance spectra of temperate deciduous tree leaves and implications for thermal emissivity and leaf temperature. <i>New Phytologist</i> , 2021 , 229, 791-804 | 9.8 | 5 |
| 32 | Gap-filling eddy covariance methane fluxes: Comparison of machine learning model predictions and uncertainties at FLUXNET-CH4 wetlands. <i>Agricultural and Forest Meteorology</i> , 2021 , 308-309, 108528 | 5.8 | 5 |
| 31 | Flux Puppy An open-source software application and portable system design for low-cost manual measurements of CO2 and H2O fluxes. <i>Agricultural and Forest Meteorology</i> , 2019 , 274, 1-6 | 5.8 | 4 |
| 30 | Ages and transit times as important diagnostics of model performance for predicting carbon dynamics in terrestrial vegetation models. <i>Biogeosciences</i> , 2018 , 15, 1607-1625 | 4.6 | 4 |
| 29 | Keenan et al. reply. <i>Nature</i> , 2014 , 507, E2-3 | 50.4 | 4 |
| 28 | Extraction of Nonstructural Carbon and Cellulose from Wood for Radiocarbon Analysis. <i>Bio-protocol</i> , 2014 , 4, | 0.9 | 4 |
| 27 | Biosphere-atmosphere exchange of CO ₂ in relation to climate: a cross-biome analysis across multiple time scales | | 4 |
| 26 | Comparison of different objective functions for parameterization of simple respiration models. Journal of Geophysical Research, 2008, 113, | | 3 |
| 25 | Coordinating a Northeast Regional Phenology Network. <i>Bulletin of the Ecological Society of America</i> , 2008 , 89, 188-190 | 0.7 | 3 |
| 24 | Differential Aluminum and Calcium Concentrations in the Tissues of Ten Cornus Species. <i>Journal of the Torrey Botanical Society</i> , 2001 , 128, 120 | 0.5 | 3 |
| 23 | Advancing Cross-Disciplinary Understanding of Land-Atmosphere Interactions. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022 , 127, | 3.7 | 3 |
| 22 | Evaluating the agreement between measurements and models of net ecosystem exchange at different times and time scales using wavelet coherence: an example using data from the North American Carbon Program Site-Level Interim Synthesis | | 3 |
| 21 | Integrating Multiscale Seasonal Data for Resource Management. <i>Eos</i> , 2017 , | 1.5 | 3 |
| 20 | Root biomass distribution under three cover types in a patchy Pseudotsuga menziesii forest in western Canada. <i>Annals of Forest Science</i> , 2003 , 60, 469-474 | 3.1 | 3 |
| 19 | Seasonality in aerodynamic resistance across a range of North American ecosystems. <i>Agricultural and Forest Meteorology</i> , 2021 , 310, 108613 | 5.8 | 3 |
| 18 | Monitoring agroecosystem productivity and phenology at a national scale: A metric assessment framework. <i>Ecological Indicators</i> , 2021 , 131, 108147 | 5.8 | 3 |
| 17 | FLUXNET-CH4: A global, multi-ecosystem dataset and analysis of methane seasonality from freshwater wetlands | | 3 |

LIST OF PUBLICATIONS

| 16 | Seasonal patterns of nonstructural carbohydrate reserves in four woody boreal species1. <i>Journal of the Torrey Botanical Society</i> , 2018 , 145, 332 | 0.5 | 2 |
|------------------|---|-------------------|---|
| 15 | Peak radial growth of diffuse-porous species occurs during periods of lower water availability than for ring-porous and coniferous trees. <i>Tree Physiology</i> , 2021 , | 4.2 | 2 |
| 14 | PlantEnvironment Interactions Across Multiple Scales 2014 , 1-27 | | 1 |
| 13 | A spatial concordance correlation coefficient with an application to image analysis. <i>Spatial Statistics</i> , 2020 , 40, 100405 | 2.2 | 1 |
| 12 | Protocol for Projecting Allele Frequency Change under Future Climate Change at Adaptive-Associated Loci. STAR Protocols, 2020, 1, 100061 | 1.4 | 1 |
| 11 | Multi-Decadal Carbon Cycle Measurements Indicate Resistance to External Drivers of Change at the Howland Forest AmeriFlux Site. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021 , 126, e2021JG0 | 06276 | 1 |
| 10 | Evaluation and modification of ELM seasonal deciduous phenology against observations in a southern boreal peatland forest. <i>Agricultural and Forest Meteorology</i> , 2021 , 308-309, 108556 | 5.8 | 1 |
| 9 | PS3: The Pheno-Synthesis software suite for integration and analysis of multi-scale, multi-platform phenological data. <i>Ecological Informatics</i> , 2021 , 65, 101400 | 4.2 | 1 |
| | | | |
| 8 | Plant E nvironment Interactions Across Multiple Scales 2014 , 1-23 | | 1 |
| 7 | PlantEnvironment Interactions Across Multiple Scales 2014 , 1-23 Forest Drought Response Index (ForDRI): A New Combined Model to Monitor Forest Drought in the Eastern United States. <i>Remote Sensing</i> , 2020 , 12, 3605 | 5 | 0 |
| | Forest Drought Response Index (ForDRI): A New Combined Model to Monitor Forest Drought in the | 5 8.4 | |
| 7 | Forest Drought Response Index (ForDRI): A New Combined Model to Monitor Forest Drought in the Eastern United States. <i>Remote Sensing</i> , 2020 , 12, 3605 Manipulating phloem transport affects wood formation but not local nonstructural carbon reserves | | O |
| 7 6 | Forest Drought Response Index (ForDRI): A New Combined Model to Monitor Forest Drought in the Eastern United States. <i>Remote Sensing</i> , 2020 , 12, 3605 Manipulating phloem transport affects wood formation but not local nonstructural carbon reserves in an evergreen conifer. <i>Plant, Cell and Environment</i> , 2021 , 44, 2506-2521 A model-independent data assimilation (MIDA) module and its applications in ecology. <i>Geoscientific</i> | 8.4 | 0 |
| 7 6 5 | Forest Drought Response Index (ForDRI): A New Combined Model to Monitor Forest Drought in the Eastern United States. <i>Remote Sensing</i> , 2020 , 12, 3605 Manipulating phloem transport affects wood formation but not local nonstructural carbon reserves in an evergreen conifer. <i>Plant, Cell and Environment</i> , 2021 , 44, 2506-2521 A model-independent data assimilation (MIDA) module and its applications in ecology. <i>Geoscientific Model Development</i> , 2021 , 14, 5217-5238 Open data facilitate resilience in science during the COVID-19 pandemic <i>Frontiers in Ecology and</i> | 8.4 | o o |
| 7 6 5 4 | Forest Drought Response Index (ForDRI): A New Combined Model to Monitor Forest Drought in the Eastern United States. <i>Remote Sensing</i> , 2020 , 12, 3605 Manipulating phloem transport affects wood formation but not local nonstructural carbon reserves in an evergreen conifer. <i>Plant, Cell and Environment</i> , 2021 , 44, 2506-2521 A model-independent data assimilation (MIDA) module and its applications in ecology. <i>Geoscientific Model Development</i> , 2021 , 14, 5217-5238 Open data facilitate resilience in science during the COVID-19 pandemic <i>Frontiers in Ecology and the Environment</i> , 2022 , 20, 76-77 Gross primary production (GPP) and red solar induced fluorescence (SIF) respond differently to light and seasonal environmental conditions in a subalpine conifer forest. <i>Agricultural and Forest</i> | 8.4 6.3 5.5 | 0000 |