

# Dmitry G Schepaschenko

## List of Publications by Citations

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**Version:** 2024-04-26

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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.

81  
papers

3,418  
citations

30  
h-index

58  
g-index

93  
ext. papers

4,260  
ext. citations

7.8  
avg, IF

5.1  
L-index

#	Paper	IF	Citations
81	Boreal forest health and global change. <i>Science</i> , <b>2015</b> , 349, 819-22	33.3	520
80	Mapping global cropland and field size. <i>Global Change Biology</i> , <b>2015</b> , 21, 1980-92	11.4	312
79	Geo-Wiki: An online platform for improving global land cover. <i>Environmental Modelling and Software</i> , <b>2012</b> , 31, 110-123	5.2	205
78	Climatic controls of decomposition drive the global biogeography of forest-tree symbioses. <i>Nature</i> , <b>2019</b> , 569, 404-408	50.4	203
77	Carbon stock and density of northern boreal and temperate forests. <i>Global Ecology and Biogeography</i> , <b>2014</b> , 23, 297-310	6.1	184
76	Building a hybrid land cover map with crowdsourcing and geographically weighted regression. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2015</b> , 103, 48-56	11.8	93
75	Acclimation of Russian forests to recent changes in climate.. <i>Global Change Biology</i> , <b>2005</b> , 11, 2090-2102	11.4	88
74	Forest growing stock volume of the northern hemisphere: Spatially explicit estimates for 2010 derived from Envisat ASAR. <i>Remote Sensing of Environment</i> , <b>2015</b> , 168, 316-334	13.2	86
73	Climate change and wildfires in Russia. <i>Contemporary Problems of Ecology</i> , <b>2013</b> , 6, 683-692	0.8	84
72	An estimate of the terrestrial carbon budget of Russia using inventory-based, eddy covariance and inversion methods. <i>Biogeosciences</i> , <b>2012</b> , 9, 5323-5340	4.6	84
71	A global dataset of crowdsourced land cover and land use reference data. <i>Scientific Data</i> , <b>2017</b> , 4, 170078	8.2	77
70	Impact of wildfire in Russia between 1998-2010 on ecosystems and the global carbon budget. <i>Doklady Earth Sciences</i> , <b>2011</b> , 441, 1678-1682	0.6	77
69	Development of a global hybrid forest mask through the synergy of remote sensing, crowdsourcing and FAO statistics. <i>Remote Sensing of Environment</i> , <b>2015</b> , 162, 208-220	13.2	76
68	Tamm Review: Observed and projected climate change impacts on Russia's forests and its carbon balance. <i>Forest Ecology and Management</i> , <b>2016</b> , 361, 432-444	3.9	75
67	A new hybrid land cover dataset for Russia: a methodology for integrating statistics, remote sensing and in situ information. <i>Journal of Land Use Science</i> , <b>2011</b> , 6, 245-259	2.7	61
66	Estimating the global distribution of field size using crowdsourcing. <i>Global Change Biology</i> , <b>2019</b> , 25, 174-186	11.4	58
65	Ground Data are Essential for Biomass Remote Sensing Missions. <i>Surveys in Geophysics</i> , <b>2019</b> , 40, 863-880	0.6	56

64	Harnessing the power of volunteers, the internet and Google Earth to collect and validate global spatial information using Geo-Wiki. <i>Technological Forecasting and Social Change</i> , <b>2015</b> , 98, 324-335	9.5	56
63	Spatial distribution of arable and abandoned land across former Soviet Union countries. <i>Scientific Data</i> , <b>2018</b> , 5, 180056	8.2	53
62	The Importance of Consistent Global Forest Aboveground Biomass Product Validation. <i>Surveys in Geophysics</i> , <b>2019</b> , 40, 979-999	7.6	53
61	Semi-empirical models for assessing biological productivity of Northern Eurasian forests. <i>Ecological Modelling</i> , <b>2007</b> , 204, 163-179	3	50
60	Contributing to WUDAPT: A Local Climate Zone Classification of Two Cities in Ukraine. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2016</b> , 9, 1841-1853	4.7	50
59	Capability of C-Band SAR for Operational Wetland Monitoring at High Latitudes. <i>Remote Sensing</i> , <b>2012</b> , 4, 2923-2943	5	46
58	A dataset of forest biomass structure for Eurasia. <i>Scientific Data</i> , <b>2017</b> , 4, 170070	8.2	44
57	Can the uncertainty of full carbon accounting of forest ecosystems be made acceptable to policymakers?. <i>Climatic Change</i> , <b>2010</b> , 103, 137-157	4.5	43
56	The pool of organic carbon in the soils of Russia. <i>Eurasian Soil Science</i> , <b>2013</b> , 46, 107-116	1.5	40
55	Mapping certified forests for sustainable management - A global tool for information improvement through participatory and collaborative mapping. <i>Forest Policy and Economics</i> , <b>2017</b> , 83, 10-18	3.6	34
54	Characterizing the Spatial and Temporal Availability of Very High Resolution Satellite Imagery in Google Earth and Microsoft Bing Maps as a Source of Reference Data. <i>Land</i> , <b>2018</b> , 7, 118	3.5	33
53	Improved Estimates of Biomass Expansion Factors for Russian Forests. <i>Forests</i> , <b>2018</b> , 9, 312	2.8	30
52	Comparison of Data Fusion Methods Using Crowdsourced Data in Creating a Hybrid Forest Cover Map. <i>Remote Sensing</i> , <b>2016</b> , 8, 261	5	30
51	The Forest Observation System, building a global reference dataset for remote sensing of forest biomass. <i>Scientific Data</i> , <b>2019</b> , 6, 198	8.2	29
50	Improving the dynamics of Northern Hemisphere high-latitude vegetation in the ORCHIDEE ecosystem model. <i>Geoscientific Model Development</i> , <b>2015</b> , 8, 2263-2283	6.3	29
49	Crowdsourcing In-Situ Data on Land Cover and Land Use Using Gamification and Mobile Technology. <i>Remote Sensing</i> , <b>2016</b> , 8, 905	5	28
48	Downgrading recent estimates of land available for biofuel production. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 1688-94	10.3	27
47	The global forest above-ground biomass pool for 2010 estimated from high-resolution satellite observations. <i>Earth System Science Data</i> , <b>2021</b> , 13, 3927-3950	10.5	26

46	LACO-Wiki: A New Online Land Cover Validation Tool Demonstrated Using GlobeLand30 for Kenya. <i>Remote Sensing</i> , <b>2017</b> , 9, 754	5	25
45	Improved light and temperature responses for light-use-efficiency-based GPP models. <i>Biogeosciences</i> , <b>2013</b> , 10, 6577-6590	4.6	25
44	Areas of global importance for conserving terrestrial biodiversity, carbon and water. <i>Nature Ecology and Evolution</i> , <b>2021</b> , 5, 1499-1509	12.3	24
43	Increasing crop production in Russia and UkraineRegional and global impacts from intensification and recultivation. <i>Environmental Research Letters</i> , <b>2018</b> , 13, 025008	6.2	22
42	Recent Advances in Forest Observation with Visual Interpretation of Very High-Resolution Imagery. <i>Surveys in Geophysics</i> , <b>2019</b> , 40, 839-862	7.6	20
41	Net primary production of forest ecosystems of Russia: A new estimate. <i>Doklady Earth Sciences</i> , <b>2008</b> , 421, 1009-1012	0.6	20
40	Mapping growing stock volume and forest live biomass: a case study of the Polissya region of Ukraine. <i>Environmental Research Letters</i> , <b>2017</b> , 12, 105001	6.2	18
39	Estimation of forest area and its dynamics in Russia based on synthesis of remote sensing products. <i>Contemporary Problems of Ecology</i> , <b>2015</b> , 8, 811-817	0.8	17
38	Differences in satellite-derived NO <sub>x</sub> emission factors between Eurasian and North American boreal forest fires. <i>Atmospheric Environment</i> , <b>2015</b> , 121, 55-65	5.3	17
37	Comment on "The extent of forest in dryland biomes". <i>Science</i> , <b>2017</b> , 358,	33.3	16
36	Soil contribution to carbon budget of Russian forests. <i>Agricultural and Forest Meteorology</i> , <b>2015</b> , 200, 97-108	5.8	16
35	A spatial assessment of the forest carbon budget for Ukraine. <i>Mitigation and Adaptation Strategies for Global Change</i> , <b>2019</b> , 24, 985-1006	3.9	14
34	Terrestrial Ecosystems and Their Change. <i>Springer Environmental Science and Engineering</i> , <b>2013</b> , 171-249		13
33	Independent data for transparent monitoring of greenhouse gas emissions from the land use sector –What do stakeholders think and need?. <i>Environmental Science and Policy</i> , <b>2018</b> , 85, 101-112	6.2	13
32	Russian forest sequesters substantially more carbon than previously reported. <i>Scientific Reports</i> , <b>2021</b> , 11, 12825	4.9	12
31	Exploiting Growing Stock Volume Maps for Large Scale Forest Resource Assessment: Cross-Comparisons of ASAR- and PALSAR-Based GSV Estimates with Forest Inventory in Central Siberia. <i>Forests</i> , <b>2014</b> , 5, 1753-1776	2.8	11
30	Impact of Disturbances on the Carbon Cycle of Forest Ecosystems in Ukrainian Polissya. <i>Forests</i> , <b>2019</b> , 10, 337	2.8	10
29	Quantifying Impacts of National-Scale Afforestation on Carbon Budgets in South Korea from 1961 to 2014. <i>Forests</i> , <b>2019</b> , 10, 579	2.8	9

28	The global forest above-ground biomass pool for 2010 estimated from high-resolution satellite observations	8
27	Can the uncertainty of full carbon accounting of forest ecosystems be made acceptable to policymakers? <b>2010</b> , 137-157	8
26	The number of tree species on Earth.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119,	11.5 6
25	Assessing Forest Ecosystems across the Vertical Edge of the Mid-Latitude Ecotone Using the BioGeoChemistry Management Model (BGC-MAN). <i>Forests</i> , <b>2019</b> , 10, 523	2.8 5
24	Modeling Burned Areas in Indonesia: The FLAM Approach. <i>Forests</i> , <b>2018</b> , 9, 437	2.8 5
23	The Return of Nature to the Chernobyl Exclusion Zone: Increases in Forest Cover of 1.5 Times since the 1986 Disaster. <i>Forests</i> , <b>2021</b> , 12, 1024	2.8 4
22	Mapping Human Impact Using Crowdsourcing <b>2016</b> , 89-101	3
21	Development of Information-Computational Infrastructure for Environmental Research in Siberia as a Baseline Component of the Northern Eurasia Earth Science Partnership Initiative (NEESPI) Studies. <i>Springer Environmental Science and Engineering</i> , <b>2013</b> , 19-55	3
20	Improved light and temperature responses for light use efficiency based GPP models	3
19	A global map of root biomass across the world's forests. <i>Earth System Science Data</i> , <b>2021</b> , 13, 4263-4274	10.5 3
18	Respiration of Russian soils: Climatic drivers and response to climate change. <i>Science of the Total Environment</i> , <b>2021</b> , 785, 147314	10.2 3
17	<sup>90</sup> Sr Content in the Stemwood of Forests within Ukrainian Polissya. <i>Forests</i> , <b>2020</b> , 11, 270	2.8 2
16	Global Biomass Information: From Data Generation to Application <b>2015</b> , 1-23	2
15	A comprehensive framework for assessing the accuracy and uncertainty of global above-ground biomass maps. <i>Remote Sensing of Environment</i> , <b>2022</b> , 272, 112917	13.2 2
14	Urban Geo-Wiki. <i>Advances in Electronic Government, Digital Divide, and Regional Development Book Series</i> , <b>2013</b> , 119-143	0.3 2
13	Vote Aggregation Techniques in the Geo-Wiki Crowdsourcing Game: A Case Study. <i>Communications in Computer and Information Science</i> , <b>2017</b> , 41-50	0.3 2
12	A global map of root biomass across the world's forests	2
11	The Role of Bioenergy with Carbon Capture and Storage (BECCS) for Climate Policy	1-19 2

10	Can a national afforestation plan achieve simultaneous goals of biodiversity and carbon enhancement? Exploring optimal decision making using multi-spatial modeling. <i>Biological Conservation</i> , <b>2022</b> , 267, 109474	6.2	2
9	Species- and elevation-dependent productivity changes in East Asian temperate forests. <i>Environmental Research Letters</i> , <b>2020</b> , 15, 034012	6.2	1
8	Carbon tracking: Limit uncertainties in land emissions. <i>Nature</i> , <b>2016</b> , 534, 621	50.4	1
7	Selection of Indices for the Monitoring of Spruce Forests within Impact Zone of the Metallurgical Enterprise. <i>Water, Air, and Soil Pollution</i> , <b>2000</b> , 121, 339-347	2.6	1
6	A Continental Assessment of the Drivers of Tropical Deforestation With a Focus on Protected Areas. <i>Frontiers in Conservation Science</i> , <b>2022</b> , 3, 1034012	0	1
5	Drivers of tropical forest loss between 2008 and 2019.. <i>Scientific Data</i> , <b>2022</b> , 9, 146	8.2	1
4	Global forest management data for 2015 at a 100 m resolution.. <i>Scientific Data</i> , <b>2022</b> , 9, 199	8.2	1
3	Lessons learned in developing reference data sets with the contribution of citizens: the Geo-Wiki experience. <i>Environmental Research Letters</i> , <b>2022</b> , 17, 065003	6.2	1
2	Towards harmonizing competing models: Russian forests' net primary production case study. <i>Technological Forecasting and Social Change</i> , <b>2015</b> , 98, 245-254	9.5	
1	Specificity of phytocoenotic structure and biomass of ground cover in northern boreal forests of Middle Siberia. <i>BIO Web of Conferences</i> , <b>2020</b> , 24, 00057	0.4	