

# Dmitry G Schepaschenko

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/6135058/dmitry-g-schepaschenko-publications-by-year.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
80	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
79	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
78	Drivers of tropical forest loss between 2008 and 2019.. <i>Scientific Data</i> , <b>2022</b> , 9, 146	8.2	1
77	Global forest management data for 2015 at a 100 m resolution.. <i>Scientific Data</i> , <b>2022</b> , 9, 199	8.2	1
76	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
75	Russian forest sequesters substantially more carbon than previously reported. <i>Scientific Reports</i> , <b>2021</b> , 11, 12825	4.9	12
74	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
73	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
72	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
71	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
70	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
69	90Sr Content in the Stemwood of Forests within Ukrainian Polissya. <i>Forests</i> , <b>2020</b> , 11, 270	2.8	2
68	Species- and elevation-dependent productivity changes in East Asian temperate forests. <i>Environmental Research Letters</i> , <b>2020</b> , 15, 034012	6.2	1
67	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	
66	Climatic controls of decomposition drive the global biogeography of forest-tree symbioses. <i>Nature</i> , <b>2019</b> , 569, 404-408	50.4	203
65	Impact of Disturbances on the Carbon Cycle of Forest Ecosystems in Ukrainian Polissya. <i>Forests</i> , <b>2019</b> , 10, 337	2.8	10

64	Ground Data are Essential for Biomass Remote Sensing Missions. <i>Surveys in Geophysics</i> , <b>2019</b> , 40, 863-880.	6	56
63	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
62	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
61	The Importance of Consistent Global Forest Aboveground Biomass Product Validation. <i>Surveys in Geophysics</i> , <b>2019</b> , 40, 979-999	7.6	53
60	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
59	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
58	Estimating the global distribution of field size using crowdsourcing. <i>Global Change Biology</i> , <b>2019</b> , 25, 174-186	11.4	58
57	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
56	Increasing crop production in Russia and Ukraine: Regional and global impacts from intensification and recultivation. <i>Environmental Research Letters</i> , <b>2018</b> , 13, 025008	6.2	22
55	Spatial distribution of arable and abandoned land across former Soviet Union countries. <i>Scientific Data</i> , <b>2018</b> , 5, 180056	8.2	53
54	Improved Estimates of Biomass Expansion Factors for Russian Forests. <i>Forests</i> , <b>2018</b> , 9, 312	2.8	30
53	Modeling Burned Areas in Indonesia: The FLAM Approach. <i>Forests</i> , <b>2018</b> , 9, 437	2.8	5
52	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
51	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
50	A dataset of forest biomass structure for Eurasia. <i>Scientific Data</i> , <b>2017</b> , 4, 170070	8.2	44
49	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
48	Comment on "The extent of forest in dryland biomes". <i>Science</i> , <b>2017</b> , 358,	33.3	16
47	A global dataset of crowdsourced land cover and land use reference data. <i>Scientific Data</i> , <b>2017</b> , 4, 170078.	8.2	77

46	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
45	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
44	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
43	Carbon tracking: Limit uncertainties in land emissions. <i>Nature</i> , <b>2016</b> , 534, 621	50.4	1
42	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
41	Mapping Human Impact Using Crowdsourcing <b>2016</b> , 89-101		3
40	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
39	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
38	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
37	Mapping global cropland and field size. <i>Global Change Biology</i> , <b>2015</b> , 21, 1980-92	11.4	312
36	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	
35	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
34	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
33	Boreal forest health and global change. <i>Science</i> , <b>2015</b> , 349, 819-22	33.3	520
32	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
31	Soil contribution to carbon budget of Russian forests. <i>Agricultural and Forest Meteorology</i> , <b>2015</b> , 200, 97-108	5.8	16
30	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
29	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

28	Global Biomass Information: From Data Generation to Application <b>2015</b> , 1-23		2
27	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
26	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
25	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
24	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
23	The pool of organic carbon in the soils of Russia. <i>Eurasian Soil Science</i> , <b>2013</b> , 46, 107-116	1.5	40
22	Terrestrial Ecosystems and Their Change. <i>Springer Environmental Science and Engineering</i> , <b>2013</b> , 171-249		13
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	Climate change and wildfires in Russia. <i>Contemporary Problems of Ecology</i> , <b>2013</b> , 6, 683-692	0.8	84
19	Downgrading recent estimates of land available for biofuel production. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 1688-94	10.3	27
18	Improved light and temperature responses for light-use-efficiency-based GPP models. <i>Biogeosciences</i> , <b>2013</b> , 10, 6577-6590	4.6	25
17	Urban Geo-Wiki. <i>Advances in Electronic Government, Digital Divide, and Regional Development Book Series</i> , <b>2013</b> , 119-143	0.3	2
16	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
15	Capability of C-Band SAR for Operational Wetland Monitoring at High Latitudes. <i>Remote Sensing</i> , <b>2012</b> , 4, 2923-2943	5	46
14	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
13	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
12	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
11	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

10	Can the uncertainty of full carbon accounting of forest ecosystems be made acceptable to policymakers? <b>2010</b> , 137-157		8
9	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
8	Semi-empirical models for assessing biological productivity of Northern Eurasian forests. <i>Ecological Modelling</i> , <b>2007</b> , 204, 163-179	3	50
7	Acclimation of Russian forests to recent changes in climate.. <i>Global Change Biology</i> , <b>2005</b> , 11, 2090-2102	11.4	88
6	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
5	Improved light and temperature responses for light use efficiency based GPP models		3
4	The global forest above-ground biomass pool for 2010 estimated from high-resolution satellite observations		8
3	A global map of root biomass across the world's forests		2
2	The Role of Bioenergy with Carbon Capture and Storage (BECCS) for Climate Policy		1-19
1	A Continental Assessment of the Drivers of Tropical Deforestation With a Focus on Protected Areas. <i>Frontiers in Conservation Science</i> , <b>3</b> ,	0	1