

# Vladimir Usoltsev

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

2,278  
citations

840776

11  
h-index

289244

40  
g-index

53  
all docs

53  
docs citations

53  
times ranked

5609  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deterministic growth factors: Temperature and precipitation effect above ground biomass of Larix spp. in Eurasia. Acta Ecologica Sinica, 2021, 41, 377-383.	1.9	1
2	Additive Models of Single-tree Biomass Sensitive to Temperature and Precipitation in Eurasia – A Comparative Study for Larix spp. and Quercus spp.. Journal of Climate Change, 2021, 7, 37-56.	0.5	1
3	Carbon deposition by Russian forests on the example of taiga and forest-steppe zones. Ecological Questions, 2021, 32, 1.	0.3	1
4	Generic Model of Willow Stem Volume: A Meta-Analysis. Izvestiya Vysshikh Uchebnykh Zavedenii, 2021, , 49-58.	0.2	0
5	Allometric models of Picea spp. biomass for airborne laser sensing as related to climate variables. IOP Conference Series: Earth and Environmental Science, 2021, 806, 012033.	0.3	1
6	THE INTRODUCTION OF AN ADDITIVE MODELING METHOD RESPONSIVE TO TEMPERATURE AND PRECIPITATION VARIABLES, AND ITS APPLICATIONS TO ESTIMATE THE FOREST STAND BIOMASS OF PICEA SPP. OF EURASIA. Applied Ecology and Environmental Research, 2021, 19, 1107-1122.	0.5	0
7	TRY plant trait database – enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188.	9.5	1,038
8	Are There Differences in the Reaction of the Light-Tolerant Subgenus Pinus spp. Biomass to Climate Change as Compared to Light-Intolerant Genus Picea spp.?. Plants, 2020, 9, 1255.	3.5	2
9	Augmentative Modelling: A Template for <i>Populus spp</i>. Stand Biomass in Eurasia Region. Journal of Applied Sciences and Environmental Management, 2020, 24, 827-832.	0.1	0
10	Patterns for Populus spp. Stand Biomass in Gradients of Winter Temperature and Precipitation of Eurasia. Forests, 2020, 11, 906.	2.1	5
11	Latitudinal pattern in community-wide herbivory does not match the pattern in herbivory averaged across common plant species. Journal of Ecology, 2020, 108, 2511-2520.	4.0	19
12	Additive allometric model of Quercus spp. stand biomass for Eurasia. Ecological Questions, 2020, 31, 1.	0.3	0
13	Feedback Modelling of Natural Stand and Plantation Biomass to Changes in Climatic Factors (Temperatures and Precipitation): A Special Case for Two-needles Pines in Eurasia. Journal of Climate Change, 2020, 6, 15-32.	0.5	1
14	Allometric Models to Predicate Single-Tree Biomass in the Eurasian Larix spp. Forest. Ecological Questions, 2020, 32, 1.	0.3	0
15	Forest stand biomass and NPP models sensitive to winter temperature and annual precipitation for Betula spp. in Eurasia. Ecological Questions, 2020, 31, 15.	0.3	0
16	What is a possible response of forest biomass to changes in Eurasian air temperature and precipitation? A special case for the genus Betula spp. IOP Conference Series: Earth and Environmental Science, 2020, 574, 012084.	0.3	0
17	Comparing of allometric models of single-tree biomass intended for airborne laser sensing and terrestrial taxation of carbon pool in the forests of Eurasia. Natural Resource Modelling, 2019, 32, .	2.0	4
18	Additive model of Larix sp. forest stand biomass sensitive to temperature and precipitation variables in Eurasia. IOP Conference Series: Earth and Environmental Science, 2019, 316, 012074.	0.3	1

#	ARTICLE	IF	CITATIONS
19	Climatic controls of decomposition drive the global biogeography of forest-tree symbioses. <i>Nature</i> , 2019, 569, 404-408.	27.8	371
20	Modelling Forest Stand Biomass and Net Primary Production with the Focus on Additive Models Sensitive to Climate Variables for Two-needled Pines in Eurasia. <i>Journal of Climate Change</i> , 2019, 5, 41-49.	0.5	8
21	Additive biomass models for <i>Larix</i> spp. single-trees sensitive to temperature and precipitation in Eurasia. <i>Ecological Questions</i> , 2019, 30, 57.	0.3	4
22	Additive biomass models for <i>Quercus</i> spp. single-trees sensitive to temperature and precipitation in Eurasia. <i>Ecological Questions</i> , 2019, 30, 1.	0.3	2
23	Aboveground Biomass Of Mongolian Larch ( <i>Larix Sibirica</i> Ledeb.) Forests In The Eurasian Region. <i>Geography, Environment, Sustainability</i> , 2019, 12, 117-132.	1.3	6
24	Fir ( <i>Abies</i> spp.) stand biomass additive model for Eurasia sensitive to winter temperature and annual precipitation. <i>Central European Forestry Journal</i> , 2019, 65, 166-179.	0.8	9
25	Modeling the additive allometric of stand biomass of <i>Larix</i> sp. for Eurasia. <i>Ecological Questions</i> , 2019, 30, 1.	0.3	0
26	Forest stand biomass of <i>Picea</i> spp.: an additive model that may be related to climate and civilisational changes. <i>Bulletin of Geography</i> , 2019, 45, 133-147.	0.4	2
27	Biomass structure of <i>Pinus sylvestris</i> and <i>Betula pendula</i> forest ecosystems in pollution gradient near copper plant on the Southern Ural. <i>Ecological Questions</i> , 2019, 30, 1.	0.3	0
28	Modeling the additive structure of stand biomass equations in climatic gradients of Eurasia. <i>Environmental Quality Management</i> , 2018, 28, 55-61.	1.9	9
29	Dynamic estimation model of vegetation fractional coverage and drivers. <i>International Journal of Advanced and Applied Sciences</i> , 2018, 5, 60-66.	0.4	9
30	Climate-Induced Gradients of <i>Populus</i> sp. Forest Biomass on the Territory of Eurasia. <i>Journal of Ecological Engineering</i> , 2018, 19, 218-224.	1.1	2
31	Geographic gradients of forest biomass of two needle-pines on the territory of Eurasia. <i>Ecological Questions</i> , 2018, 29, 1.	0.3	1
32	Additive Allometric Models of Single-Tree Biomass of <i>Betula</i> Sp. as a Basis of Regional Taxation Standards for Eurasia. <i>Civil and Environmental Engineering</i> , 2018, 14, 105-115.	1.2	1
33	A dataset of forest biomass structure for Eurasia. <i>Scientific Data</i> , 2017, 4, 170070.	5.3	68
34	Allometric equations for integrating remote sensing imagery into forest monitoring programmes. <i>Global Change Biology</i> , 2017, 23, 177-190.	9.5	254
35	Net Primary Production Geography of Forest-Forming Species in Climate-Induced Gradients of Eurasia. <i>Current World Environment Journal</i> , 2017, 12, 565-583.	0.5	0
36	Methods and results of studying the geographical trends in the structure of single-tree biomass of larches and two-needled pines in Eurasia. <i>Russian Journal of Ecology</i> , 2016, 47, 442-452.	0.9	1

#	ARTICLE	IF	CITATIONS
37	Geographic gradients of net primary production of birch forests of Eurasia. Russian Journal of Ecology, 2015, 46, 222-229.	0.9	0
38	How does biomass distribution change with size and differ among species? An analysis for 1200 plant species from five continents. New Phytologist, 2015, 208, 736-749.	7.3	239
39	Net primary production of Ural forests: Methods and results of automated estimating. Russian Journal of Ecology, 2011, 42, 362-370.	0.9	3
40	Biomass and Productivity of Siberian Larch Forest Ecosystems. Ecological Studies, 2010, , 99-122.	1.2	18
41	Generalized functions of biomass expansion factors for conifers and broadleaved by stand age, growing stock and site index. Forest Ecology and Management, 2009, 257, 1004-1013.	3.2	109
42	Carbon deposition in forests of the ural federal district. Contemporary Problems of Ecology, 2008, 1, 295-303.	0.7	1
43	Some methodological and conceptual uncertainties in estimating the income component of the forest carbon cycle. Russian Journal of Ecology, 2007, 38, 1-10.	0.9	7
44	Tree-crown biomass estimation in forest species of the Ural and of Kazakhstan. Forest Ecology and Management, 2002, 158, 59-69.	3.2	23
45	Modelling root biomass distribution in Pinus sylvestris forests of the Turgai Depression of Kazakhstan. Forest Ecology and Management, 2001, 149, 103-114.	3.2	29
46	Estimating the Carbon Pool in the Phytomass of Larch Forests in Northern Eurasia. Russian Journal of Ecology, 2001, 32, 235-242.	0.9	2
47	Combining harvest sample data with inventory data to estimate forest biomass. Scandinavian Journal of Forest Research, 1997, 12, 273-279.	1.4	10
48	A preliminary crown biomass table for even-aged Picea abies stands in Switzerland. Forestry, 1997, 70, 103-112.	2.3	2
49	Stand biomass dynamics of pine plantations and natural forests on dry steppe in Kazakhstan. Scandinavian Journal of Forest Research, 1995, 10, 305-312.	1.4	12