Vladimir Usoltsev

List of Publications by Year
in descending order

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	TRY plant trait database â€“ enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188.	9.5	1,038
2	Climatic controls of decomposition drive the global biogeography of forest-tree symbioses. Nature, 2019, 569, 404-408.	27.8	371
3	Allometric equations for integrating remote sensing imagery into forest monitoring programmes. Global Change Biology, 2017, 23, 177-190.	9.5	254
4	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
5	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
6	A dataset of forest biomass structure for Eurasia. Scientific Data, 2017, 4, 170070.	5.3	68
7	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
8	Tree-crown biomass estimation in forest species of the Ural and of Kazakhstan. Forest Ecology and Management, 2002, 158, 59-69.	3.2	23
9	Latitudinal pattern in communityâ€wide herbivory does not match the pattern in herbivory averaged across common plant species. Journal of Ecology, 2020, 108, 2511-2520.	4.0	19
10	Biomass and Productivity of Siberian Larch Forest Ecosystems. Ecological Studies, 2010, , 99-122.	1.2	18
11	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
12	Combining harvest sample data with inventory data to estimate forest biomass. Scandinavian Journal of Forest Research, 1997, 12, 273-279.	1.4	10
13	Modeling the additive structure of stand biomass equations in climatic gradients of Eurasia. Environmental Quality Management, 2018, 28, 55-61.	1.9	9
14	Dynamic estimation model of vegetation fractional coverage and drivers. International Journal of Advanced and Applied Sciences, 2018, 5, 60-66.	0.4	9
15	Fir (<i>Abies</i> spp.) stand biomass additive model for Eurasia sensitive to winter temperature and annual precipitation. Central European Forestry Journal, 2019, 65, 166-179.	0.8	9
16	Modelling Forest Stand Biomass and Net Primary Production with the Focus on Additive Models Sensitive to Climate Variables for Two-needled Pines in Eurasia. Journal of Climate Change, 2019, 5, 41-49.	0.5	8
17	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
18	Aboveground Biomass Of Mongolian Larch (Larix Sibirica Ledeb.) Forests In The Eurasian Region. Geography, Environment, Sustainability, 2019, 12, 117-132.	1.3	6

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19	Patterns for Populus spp. Stand Biomass in Gradients of Winter Temperature and Precipitation of Eurasia. Forests, 2020, 11, 906.	2.1	5
20	Comparing of allometric models of singleâ€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
21	Additive biomass models for Larix spp. single-trees sensitive to temperature and precipitation in Eurasia. Ecological Questions, 2019, 30, 57.	0.3	4
22	Net primary production of Ural forests: Methods and results of automated estimating. Russian Journal of Ecology, 2011, 42, 362-370.	0.9	3
23	Estimating the Carbon Pool in the Phytomass of Larch Forests in Northern Eurasia. Russian Journal of Ecology, 2001, 32, 235-242.	0.9	2
24	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
25	A preliminary crown biomass table for even-aged Picea abies stands in Switzerland. Forestry, 1997, 70, 103-112.	2.3	2
26	Additive biomass models for Quercus spp. single-trees sensitive to temperature and precipitation in Eurasia. Ecological Questions, 2019, 30, 1.	0.3	2
27	Climate-Induced Gradients of Populus sp. Forest Biomass on the Territory of Eurasia. Journal of Ecological Engineering, 2018, 19, 218-224.	1.1	2
28	Forest stand biomass of Picea spp.: an additive model that may be related to climate and civilisational changes. Bulletin of Geography, 2019, 45, 133-147.	0.4	2
29	Carbon deposition in forests of the ural federal district. Contemporary Problems of Ecology, 2008, 1, 295-303.	0.7	1
30	Methods and results of studying the geographical trends in the structure of single-tree biomass of larches and two-needled pines in Eurasia. Russian Journal of Ecology, 2016, 47, 442-452.	0.9	1
31	Additive model ofLarix 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
32	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
33	Additive Models of Single-tree Biomass Sensitive to Temperature and Precipitation in Eurasia â€“ A Comparative Study for Larix spp. and Quercus spp.. Journal of Climate Change, 2021, 7, 37-56.	0.5	1
34	Carbon deposition by Russian forests on the example of taiga and forest-steppe zones. Ecological Questions, 2021, 32, 1.	0.3	1
35	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
36	Geographic gradients of forest biomass of two nee-dled pines on the territory of Eurasia. Ecological Questions, 2018, 29, 1.	0.3	1

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37	Additive Allometric Models of Single-Tree Biomass of <i>Betula</i> Sp. as a Basis of Regional Taxation Standards for Eurasia. Civil and Environmental Engineering, 2018, 14, 105-115.	1.2	1
38	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
39	Geographic gradients of net primary production of birch forests of Eurasia. Russian Journal of Ecology, 2015, 46, 222-229.	0.9	0
40	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
41	Generic Model of Willow Stem Volume: A Meta-Analysis. Izvestiya Vysshikh Uchebnykh Zavedenii, 2021, , 49-58.	0.2	0
42	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
43	Net Primary Production Geography of Forest-Forming Speciesin Climate-Induced Gradients of Eurasia. Current World Environment Journal, 2017, 12, 565-583.	0.5	0
44	Modeling the additive allometric of stand biomass of Larix sp. for Eurasia. Ecological Questions, 2019, 30, 1.	0.3	0
45	Biomass structure of Pinus sylvestris and Betula pendula forest ecosystems in pollution gradient near copper plant on the Southern Ural. Ecological Questions, 2019, 30, 1.	0.3	0
46	Additive allometric model of Quercus spp. stand biomass for Eurasia. Ecological Questions, 2020, 31, 1.	0.3	0
47	Allometric Models to Predicate Single-Tree Biomass in the Eurasian Larix spp. Forest. Ecological Questions, 2020, 32, 1.	0.3	0
48	Forest stand biomass and NPP models sensitive to winter tempera-ture and annual precipitation for Betula spp. in Eurasia. Ecological Questions, 2020, 31, 15.	0.3	0
49	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