

Zdenek Vacek

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5874293/zdenek-vacek-publications-by-year.pdf>

Version: 2024-04-28

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.

80
papers

952
citations

18
h-index

23
g-index

84
ext. papers

1,300
ext. citations

2
avg, IF

4.81
L-index

#	Paper	IF	Citations
80	Biomass productivity, forest stability, carbon balance, and soil transformation of agricultural land afforestation: A case study of suitability of native tree species in the submontane zone in Czechia. <i>Catena</i> , 2022 , 210, 105893	5.8	3
79	Scots pine (<i>Pinus sylvestris</i> L.) demonstrates a high resistance against bark stripping damage. <i>Forest Ecology and Management</i> , 2022 , 513, 120182	3.9	0
78	Is European larch (<i>Larix decidua</i> Mill.) a suitable substitute for Norway spruce (<i>Picea abies</i> (L.) Karst.) for agricultural land afforestation?. <i>Forest Ecology and Management</i> , 2022 , 517, 120257	3.9	0
77	Different patterns of human activities in nature during Covid-19 pandemic and African swine fever outbreak confirm direct impact on wildlife disruption. <i>Scientific Reports</i> , 2021 , 11, 20791	4.9	2
76	Scots pine (<i>Pinus sylvestris</i> L.), the suitable pioneer species for afforestation of reclamation sites?. <i>Forest Ecology and Management</i> , 2021 , 485, 118951	3.9	5
75	Mixed vs. monospecific mountain forests in response to climate change: structural and growth perspectives of Norway spruce and European beech. <i>Forest Ecology and Management</i> , 2021 , 488, 119019	3.9	9
74	Quarter of a century of forest fertilization and liming research at the Department of Silviculture in Prague, Czech Republic. <i>Central European Forestry Journal</i> , 2021 , 67, 123-134	1.3	0
73	Effect of game browsing on natural regeneration of European beech (<i>Fagus sylvatica</i> L.) forests in the Krušohory Mts. (Czech Republic and Germany). <i>Central European Forestry Journal</i> , 2021 , 67, 166-180	1.3	0
72	Evaluation of Spatio-Temporal Patterns of Predation Risk to Forest Grouse Nests in the Central European Mountain Regions. <i>Animals</i> , 2021 , 11,	3.1	1
71	Tree Rings of European Beech (<i>Fagus sylvatica</i> L.) Indicate the Relationship with Solar Cycles during Climate Change in Central and Southern Europe. <i>Forests</i> , 2021 , 12, 259	2.8	4
70	Production potential, biodiversity and soil properties of forest reclamations: Opportunities or risk of introduced coniferous tree species under climate change?. <i>European Journal of Forest Research</i> , 2021 , 140, 1243-1266	2.7	4
69	Effect of Climate Change on the Growth of Endangered Scree Forests in Krkonoš National Park (Czech Republic). <i>Forests</i> , 2021 , 12, 1127	2.8	0
68	Production potential and structural variability of pine stands in the Czech Republic: Scots pine (<i>Pinus sylvestris</i> L.) vs. introduced pines Case study and problem review. <i>Journal of Forest Science</i> , 2020 , 66, 197-207	0.9	6
67	Wild boar deathbed choice in relation to ASF: Are there any differences between positive and negative carcasses?. <i>Preventive Veterinary Medicine</i> , 2020 , 177, 104943	3.1	8
66	Effect of Invasive <i>Rhododendron ponticum</i> L. on Natural Regeneration and Structure of <i>Fagus orientalis</i> Lipsky Forests in the Black Sea Region. <i>Forests</i> , 2020 , 11, 603	2.8	3
65	Bark stripping, the crucial factor affecting stem rot development and timber production of Norway spruce forests in Central Europe. <i>Forest Ecology and Management</i> , 2020 , 474, 118360	3.9	10
64	Sunspot area as unexplored trend inside radial growth of European beech in Krkonoš Mountains: a forest science from different perspective. <i>European Journal of Forest Research</i> , 2020 , 139, 999-1013	2.7	7

63	Comparison of growth and wood quality of Norway spruce and European larch: effect of previous land use. <i>European Journal of Forest Research</i> , 2020 , 139, 459-472	2.7	8
62	Editorial to the thematic issue: Silviculture and forest production under climate change. <i>Lesníky úsopis</i> , 2020 , 66, 61-62	1.2	
61	Effect of climate and air pollution on radial growth of mixed forests: <i>Abies alba</i> Mill. vs. <i>Picea abies</i> (L.) Karst.. <i>Central European Forestry Journal</i> , 2020 , 66, 23-36	1.3	10
60	Silviculture as a tool to support stability and diversity of forests under climate change: study from Krkonoš Mountains. <i>Lesníky úsopis</i> , 2020 , 66, 116-129	1.2	6
59	Changes in diversity of protected scree and herb-rich beech forest ecosystems over 55 years. <i>Lesníky úsopis</i> , 2020 , 66, 202-217	1.2	4
58	Solar Cycles in Salvage Logging: National Data from the Czech Republic Confirm Significant Correlation. <i>Forests</i> , 2020 , 11, 973	2.8	7
57	Germinative capacity and energy of critically endangered Ojčův birch (<i>Betula oycoviensis</i> Besser) in the Czech Republic. <i>Journal of Forest Science</i> , 2020 , 66, 227-235	0.9	1
56	Afforested farmland vs. forestland: Effects of bark stripping by <i>Cervus elaphus</i> and climate on production potential and structure of <i>Picea abies</i> forests. <i>PLoS ONE</i> , 2019 , 14, e0221082	3.7	14
55	Roe deer (<i>Capreolus capreolus</i>) mortality in relation to fodder harvest in agricultural landscape. <i>Mammalia</i> , 2019 , 83, 461-469	1	2
54	Generalized Nonlinear Mixed-Effects Individual Tree Diameter Increment Models for Beech Forests in Slovakia. <i>Forests</i> , 2019 , 10, 451	2.8	11
53	Effects of Bark Stripping on Timber Production and Structure of Norway Spruce Forests in Relation to Climatic Factors. <i>Forests</i> , 2019 , 10, 320	2.8	25
52	A Nonlinear Mixed-Effects Height-to-Diameter Ratio Model for Several Tree Species Based on Czech National Forest Inventory Data. <i>Forests</i> , 2019 , 10, 70	2.8	19
51	The effects of fertilization on the health status, nutrition and growth of Norway spruce forests with yellowing symptoms. <i>Scandinavian Journal of Forest Research</i> , 2019 , 34, 267-281	1.7	9
50	Extensive Orchards in the Agricultural Landscape: Effective Protection against Fraying Damage Caused by Roe Deer. <i>Sustainability</i> , 2019 , 11, 3738	3.6	2
49	Tree-ring widths as an indicator of air pollution stress and climate conditions in different Norway spruce forest stands in the Krkonoš Mts.. <i>Lesníky úsopis</i> , 2019 , 65, 21-33	1.2	14
48	Growth variability of European beech (<i>Fagus sylvatica</i> L.) natural forests: Dendroclimatic study from Krkonoš National Park. <i>Central European Forestry Journal</i> , 2019 , 65, 92-102	1.3	12
47	Adaption of Norway spruce and European beech forests under climate change: from resistance to close-to-nature silviculture. <i>Central European Forestry Journal</i> , 2019 , 65, 129-144	1.3	29
46	Timber and Branch Volume Prediction: Effects of Stand and Site Characteristics on Dendromass and Timber-To-Branch Volume Ratio of Norway Spruce in Managed Forests. <i>Forests</i> , 2019 , 10, 144	2.8	3

45	Growth response of mixed beech forests to climate change, various management and game pressure in Central Europe. <i>Journal of Forest Science</i> , 2019 , 65, 331-345	0.9	18
44	Modelling individual tree height-diameter relationships for multi-layered and multi-species forests in central Europe. <i>Trees - Structure and Function</i> , 2019 , 33, 103-119	2.6	23
43	Impact of applied silvicultural systems on spatial pattern of hornbeam-oak forests. <i>Central European Forestry Journal</i> , 2018 , 64, 33-45	1.3	8
42	Windbreak Efficiency in Agricultural Landscape of the Central Europe: Multiple Approaches to Wind Erosion Control. <i>Environmental Management</i> , 2018 , 62, 942-954	3.1	7
41	Effect of thinning regimes on growth and development of crop trees in <i>Fagus sylvatica</i> stands of Central Europe over fifty years. <i>Dendrobiology</i> , 2018 , 79, 141-155		17
40	Forest biodiversity and production potential of post-mining landscape: opting for afforestation or leaving it to spontaneous development?. <i>Central European Forestry Journal</i> , 2018 , 64, 116-126	1.3	7
39	Are clearcut borders an effective tool for Scots pine (<i>Pinus sylvestris</i> L.) natural regeneration?. <i>Forest Systems</i> , 2018 , 27, e010	0.9	8
38	Generalized Nonlinear Mixed-Effects Individual Tree Crown Ratio Models for Norway Spruce and European Beech. <i>Forests</i> , 2018 , 9, 555	2.8	8
37	Effects of silver fir (<i>Abies alba</i> Mill.) on the humus forms in Norway spruce (<i>Picea abies</i> (L.) H. Karst.) stands. <i>Journal of Forest Science</i> , 2018 , 64, 245-250	0.9	2
36	Long-term changes in vegetation and site conditions in beech and spruce forests of lower mountain ranges of Central Europe. <i>Forest Ecology and Management</i> , 2017 , 398, 75-90	3.9	21
35	Sensitivity of unmanaged relict pine forest in the Czech Republic to climate change and air pollution. <i>Trees - Structure and Function</i> , 2017 , 31, 1599-1617	2.6	22
34	Modelling crown width-diameter relationship for Scots pine in the central Europe. <i>Trees - Structure and Function</i> , 2017 , 31, 1875-1889	2.6	37
33	Modelling individual tree diameter growth for Norway spruce in the Czech Republic using a generalized algebraic difference approach. <i>Journal of Forest Science</i> , 2017 , 63, 227-238	0.9	11
32	Modelling individual tree height to crown base of Norway spruce (<i>Picea abies</i> (L.) Karst.) and European beech (<i>Fagus sylvatica</i> L.). <i>PLoS ONE</i> , 2017 , 12, e0186394	3.7	18
31	Modelling tree crown-to-bole diameter ratio for Norway spruce and European beech. <i>Silva Fennica</i> , 2017 , 51,	1.9	11
30	The effects of Alginite fertilization on selected tree species seedlings performance on afforested agricultural lands. <i>Central European Forestry Journal</i> , 2017 , 63, 48-56	1.3	4
29	Structure and dynamics of spruce-beech-fir forests in Nature Reserves of the Orlickýhory Mts. in relation to ungulate game. <i>Central European Forestry Journal</i> , 2017 , 63, 23-34	1.3	16
28	Carbon sequestration in soil following afforestation of former agricultural land in the Czech Republic. <i>Central European Forestry Journal</i> , 2017 , 63, 97-104	1.3	11

27	Analysis of operational approach during forest transformation in Klokoč Range, Central Bohemia. <i>Journal of Forest Science</i> , 2016 , 61, 148-155	0.9	6
26	Spatial pattern of relict beech (<i>Fagus sylvatica</i> L.) forests in the Sudetes of the Czech Republic and Poland. <i>Journal of Forest Science</i> , 2016 , 62, 293-305	0.9	16
25	Nonlinear mixed effect height-diameter model for mixed species forests in the central part of the Czech Republic. <i>Journal of Forest Science</i> , 2016 , 62, 470-484	0.9	24
24	Diameter increment of beech in relation to social position of trees, climate characteristics and thinning intensity. <i>Journal of Forest Science</i> , 2016 , 61, 456-464	0.9	18
23	How close to nature is close-to-nature pine silviculture?. <i>Journal of Forest Science</i> , 2016 , 62, 24-34	0.9	14
22	Individual tree crown width models for Norway spruce and European beech in Czech Republic. <i>Forest Ecology and Management</i> , 2016 , 366, 208-220	3.9	56
21	Structure, regeneration and growth of Scots pine (<i>Pinus sylvestris</i> L.) stands with respect to changing climate and environmental pollution. <i>Silva Fennica</i> , 2016 , 50,	1.9	24
20	Modeling individual tree height to diameter ratio for Norway spruce and European beech in Czech Republic. <i>Trees - Structure and Function</i> , 2016 , 30, 1969-1982	2.6	22
19	Changes in horizontal structure of natural beech forests on an altitudinal gradient in the Sudetes. <i>Dendrobiology</i> , 2015 , 73, 33-45		20
18	The dynamics and structure of dead wood in natural spruce-beech forest stand – 40 year case study in the Krkonoš National Park. <i>Dendrobiology</i> , 2015 , 73, 21-32		16
17	Effect of Tree Layer and Microsite on the Variability of Natural Regeneration in Autochthonous Beech Forests. <i>Polish Journal of Ecology</i> , 2015 , 63, 233-246	0.4	15
16	Current and simulated structure, growth parameters and regeneration of beech forests with different game management in the Lby Game Enclosure / Struktura, růstová parametry, obnova a modelování bukových porostů odlišným způsobem mysliveckého hospodaření podmínkách Lby. <i>Lesnictví a dřevárna</i> , 2015 , 61, 78-88	1.2	10
15	Effects of air pollution and climatic factors on Norway spruce forests in the Orlický Hory Mts. (Czech Republic), 1979-2014. <i>European Journal of Forest Research</i> , 2015 , 134, 1127-1142	2.7	35
14	Structure, development and health status of spruce forests affected by air pollution in the western Krkonoš Mts. in 1979-2014. <i>Lesnický úsopis</i> , 2015 , 61, 175-187	1.2	17
13	Ungulate Impact on Natural Regeneration in Spruce-Beech-Fir Stands in ěrná Nature Reserve in the Orlický Hory Mountains, Case Study from Central Sudetes. <i>Forests</i> , 2014 , 5, 2929-2946	2.8	27
12	Growth, healthy status and seed production of differently aged allochthonous and autochthonous <i>Pinus mugo</i> stands in the Giant Mts. over 30 years. <i>European Journal of Forest Research</i> , 2013 , 132, 801-813	2.7	4
11	The effects of climatic conditions and forest site types on disintegration rates in <i>Picea abies</i> occurring at the Modrava Peat Bogs in the Šumava National Park. <i>Dendrobiology</i> , 2013 , 70, 35-44		14
10	Struktura a modelování lesních porostů NPR Tržov [CHKO Orlický Hory, ěská republika. <i>Lesnický úsopis</i> , 2013 , 59, 248-263	1.2	5

9	Horizontal structure of forest stands on permanent research plots in the Krkonošské Mts. and its development. <i>Journal of Forest Science</i> , 2010 , 56, 531-540	0.9	4
8	Regeneration of forest stands on permanent research plots in the Krkonošské Mts.. <i>Journal of Forest Science</i> , 2010 , 56, 541-554	0.9	11
7	Structure and development of forest stands on permanent research plots in the Krkonošské Mts.. <i>Journal of Forest Science</i> , 2010 , 56, 518-530	0.9	8
6	Structural diversity and production of alder stands on former agricultural land at high altitudes. <i>Dendrobiology</i> , 75 , 31-44		17
5	Dynamics and structure of mountain autochthonous spruce-beech forests: impact of hilltop phenomenon, air pollutants and climate. <i>Dendrobiology</i> , 77 , 119-137		34
4	Effect of fungal pathogens and climatic factors on production, biodiversity and health status of ash mountain forests. <i>Dendrobiology</i> , 77 , 161-175		12
3	Sycamore maple (<i>Acer pseudoplatanus</i> L.) stands on former agricultural land in the Sudetes □ evaluation of ecological value and production potential. <i>Dendrobiology</i> , 79 , 61-76		10
2	Stand dynamics in natural Scots pine forests as a model for adaptation management?. <i>Dendrobiology</i> , 82 , 24-42		5
1	Long-term effect of climate and air pollution on health status and growth of <i>Picea abies</i> (L.) Karst. peaty forests in the Black Triangle region. <i>Dendrobiology</i> , 83 , 1-19		5