

Klaus Von Gadow

List of Publications by Year in descending order

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77
papers

1,568
citations

288859

22
h-index

340881

36
g-index

82
all docs

82
docs citations

82
times ranked

2168
citing authors

#	ARTICLE	IF	CITATIONS
1	An analysis of spatial forest structure using neighbourhood-based variables. <i>Forest Ecology and Management</i> , 2003, 183, 137-145.	3.3	174
2	Forest Structure and Diversity. <i>Managing Forest Ecosystems</i> , 2012, , 29-83.	0.0	97
3	The Effects of habitat area, vegetation structure and insect richness on breeding bird populations in Beijing urban parks. <i>Urban Forestry and Urban Greening</i> , 2015, 14, 1027-1039.	5.3	72
4	Functional and phylogenetic diversity determine woody productivity in a temperate forest. <i>Ecology and Evolution</i> , 2018, 8, 2395-2406.	1.9	60
5	A spatially explicit height-diameter model for Scots pine in Estonia. <i>European Journal of Forest Research</i> , 2011, 130, 303-315.	2.5	56
6	DBH growth model for <i>Pinus densiflora</i> and <i>Quercus variabilis</i> mixed forests in central Korea. <i>Ecological Modelling</i> , 2004, 176, 187-200.	2.5	48
7	Integrated global assessment of the natural forest carbon potential. <i>Nature</i> , 2023, 624, 92-101.	36.2	45
8	Competition effects in an afrotemperate forest. <i>Forest Ecosystems</i> , 2014, 1, .	3.2	41
9	Functional traits influence biomass and productivity through multiple mechanisms in a temperate secondary forest. <i>European Journal of Forest Research</i> , 2020, 139, 959-968.	2.5	40
10	Drivers of seedling survival in a temperate forest and their relative importance at three stages of succession. <i>Ecology and Evolution</i> , 2015, 5, 4287-4299.	1.9	37
11	Co-limitation towards lower latitudes shapes global forest diversity gradients. <i>Nature Ecology and Evolution</i> , 2022, 6, 1423-1437.	8.0	35
12	Inconsistent responses of soil respiration and its components to thinning intensity in a <i>Pinus tabuliformis</i> plantation in northern China. <i>Agricultural and Forest Meteorology</i> , 2019, 265, 370-380.	4.8	33
13	A model for the diameter-height distribution in an uneven-aged beech forest and a method to assess the fit of such models. <i>Silva Fennica</i> , 2001, 35, .	1.3	31
14	Analysing structural diversity in two temperate forests in northeastern China. <i>Forest Ecology and Management</i> , 2014, 316, 139-147.	3.3	29
15	Diversity and production in an Afrotropical Forest. <i>Forest Ecosystems</i> , 2016, 3, .	3.2	29
16	Spatial asynchrony matters more than alpha stability in stabilizing ecosystem productivity in a large temperate forest region. <i>Global Ecology and Biogeography</i> , 2022, 31, 1133-1146.	5.9	28
17	Estimating Tree Survival: A Study Based on the Estonian Forest Research Plots Network. <i>Annales Botanici Fennici</i> , 2009, 46, 336-352.	0.1	27
18	Gender-related distributions of <i>Fraxinus mandshurica</i> in secondary and old-growth forests. <i>Acta Oecologica</i> , 2010, 36, 55-62.	1.2	27

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19	Latitudinal gradients and ecological drivers of β -diversity vary across spatial scales in a temperate forest region. <i>Global Ecology and Biogeography</i> , 2020, 29, 1257-1264.	5.9	25
20	Timber harvest planning with spatial objectives, using the method of simulated annealing. <i>Raumliche Nutzungsplanung mit Hilfe der Methode "Simulated Annealing"</i> . <i>European Journal of Forest Research</i> , 2002, 121, 25-34.	0.5	24
21	Analyzing selective harvest events in three large forest observational studies in North Eastern China. <i>Forest Ecology and Management</i> , 2014, 316, 100-109.	3.3	24
22	Seed dispersal and seedling recruitment of trees at different successional stages in a temperate forest in northeastern China. <i>Journal of Plant Ecology</i> , 2014, 7, 337-346.	2.4	23
23	Forest observational studies-an essential infrastructure for sustainable use of natural resources. <i>Forest Ecosystems</i> , 2014, 1, .	3.2	22
24	Species-habitat associations in a northern temperate forest in China. <i>Silva Fennica</i> , 2012, 46, .	1.3	22
25	Partitioning temperate plant community structure at different scales. <i>Acta Oecologica</i> , 2010, 36, 306-313.	1.2	21
26	Unravelling biodiversity-productivity relationships across a large temperate forest region. <i>Functional Ecology</i> , 2021, 35, 2808-2820.	3.6	21
27	Biomass-dominant species shape the productivity-diversity relationship in two temperate forests. <i>Annals of Forest Science</i> , 2018, 75, 1.	2.1	20
28	Discriminating among forest communities based on taxonomic, phylogenetic and trait distances. <i>Forest Ecology and Management</i> , 2019, 440, 40-47.	3.3	17
29	Relationships between tree biomass productivity and local species diversity. <i>Ecosphere</i> , 2016, 7, e01562.	2.2	16
30	How beta diversity and the underlying causes vary with sampling scales in the Changbai mountain forests. <i>Ecology and Evolution</i> , 2017, 7, 10116-10123.	1.9	16
31	Scale-dependent effects of neighborhood biodiversity on individual tree productivity in a coniferous and broad-leaved mixed forest in China. <i>Ecology and Evolution</i> , 2020, 10, 8225-8234.	1.9	16
32	Spatial Characteristics of Tree Diameter Distributions in a Temperate Old-Growth Forest. <i>PLoS ONE</i> , 2013, 8, e58983.	2.5	15
33	ALS-Based Detection of Past Human Activities in the BiaÅ,owieÅ¼a Forest-New Evidence of Unknown Remains of Past Agricultural Systems. <i>Remote Sensing</i> , 2020, 12, 2657.	4.1	15
34	Assessing biotic and abiotic effects on forest productivity in three temperate forests. <i>Ecology and Evolution</i> , 2020, 10, 7887-7900.	1.9	14
35	Combined effects of nitrogen addition and organic matter manipulation on soil respiration in a Chinese pine forest. <i>Environmental Science and Pollution Research</i> , 2016, 23, 22701-22710.	5.3	13
36	Inconsistent autotrophic respiration but consistent heterotrophic respiration responses to 5-years nitrogen addition under natural and planted <i>Pinus tabulaeformis</i> forests in northern China. <i>Plant and Soil</i> , 2018, 429, 375-389.	3.7	13

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37	Adapting silvicultural management systems to urban forests. <i>Urban Forestry and Urban Greening</i> , 2002, 1, 107-113.	5.3	12
38	Maximum density patterns in two natural forests: An analysis based on large observational field studies in China. <i>Forest Ecology and Management</i> , 2015, 346, 98-105.	3.3	12
39	Latitudinal patterns of forest ecosystem stability across spatial scales as affected by biodiversity and environmental heterogeneity. <i>Global Change Biology</i> , 2023, 29, 2242-2255.	9.7	12
40	The Crown Window " a simple device for measuring tree crowns. <i>European Journal of Forest Research</i> , 2000, 119, 43-50.	0.5	11
41	Native diversity buffers against severity of non-native tree invasions. <i>Nature</i> , 2023, 621, 773-781.	36.2	11
42	Effects of Nitrogen Addition on Leaf Decomposition of Single-Species and Litter Mixture in <i>Pinus tabulaeformis</i> Forests. <i>Forests</i> , 2015, 6, 4462-4476.	2.2	10
43	Analyzing the Biological and Structural Diversity of Hyrcanian Forests Dominated by <i>Taxus baccata</i> L.. <i>Forests</i> , 2020, 11, 701.	2.2	10
44	Site index models for Calabrian pine in the central Mediterranean region of Turkey. <i>Journal of Sustainable Forestry</i> , 2018, 37, 459-474.	1.4	9
45	Effects of density and structure on production in the communal forests of the Mexican Sierra Madre Occidental. <i>Southern Forests</i> , 2019, 81, 1-10.	0.7	9
46	Dynamics and drivers of aboveground biomass accumulation during recovery from selective harvesting in an uneven-aged forest. <i>European Journal of Forest Research</i> , 2021, 140, 1163-1178.	2.5	9
47	Mycorrhizal type and soil pathogenic fungi mediate tree survival and density dependence in a temperate forest. <i>Forest Ecology and Management</i> , 2021, 496, 119459.	3.3	9
48	Patterns of Density and Production in the Community Forests of the Sierra Madre Occidental, Mexico. <i>Forests</i> , 2020, 11, 307.	2.2	8
49	Biodiversity-ecosystem functioning relationships of overstorey versus understorey trees in an old-growth temperate forest. <i>Annals of Forest Science</i> , 2019, 76, 1.	2.1	7
50	Decomposing Spatial " Diversity in the temperate forests of Northeastern China. <i>Ecology and Evolution</i> , 2021, 11, 11362-11372.	1.9	7
51	Are absorptive root traits good predictors of ecosystem functioning? A test in a natural temperate forest. <i>New Phytologist</i> , 2023, 239, 75-86.	7.8	7
52	Assessing scale-dependent effects on Forest biomass productivity based on machine learning. <i>Ecology and Evolution</i> , 2022, 12, .	1.9	6
53	A classification of woody communities based on biological dissimilarity. <i>Applied Vegetation Science</i> , 2021, 24, .	1.8	5
54	Competition effects in an afrotemperate forest. <i>Forest Ecosystems</i> , 2014, 1, 13.	3.2	5

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55	Effects of neighborhood interaction on tree growth in a temperate forest following selection harvesting. <i>Ecological Indicators</i> , 2022, 136, 108663.	6.4	5
56	Estimating height-diameter relations for structure groups in the natural forests of Northeastern China. <i>Forest Ecology and Management</i> , 2022, 519, 120298.	3.3	5
57	Baumhathenschatzung mit Hilfe der bivariaten Johnson-Weibull-Funktion. <i>European Journal of Forest Research</i> , 1999, 118, 355-367.	0.5	3
58	Reproduction and vegetative growth in the dioecious shrub <i>Acer barbinerve</i> in temperate forests of Northeast China. <i>Plant Reproduction</i> , 2015, 28, 111-119.	2.4	2
59	Soil Elements Influencing Community Structure in an Old-Growth Forest in Northeastern China. <i>Forests</i> , 2016, 7, 159.	2.2	2
60	Analyzing Forest Ecosystems. <i>Managing Forest Ecosystems</i> , 2021, , 81-158.	0.0	2
61	The Shape and Growth of Forest Trees. <i>Managing Forest Ecosystems</i> , 2021, , 159-219.	0.0	2
62	Evaluation of the Site Form as a Site Productive Indicator in Temperate Uneven-Aged Multispecies Forests in Durango, Mexico. <i>Plants</i> , 2022, 11, 2764.	3.6	2
63	Environmental filtering drives biodiversity-spatial stability relationships in a large temperate forest region. <i>Functional Ecology</i> , 2023, 37, 1688-1702.	3.6	2
64	Grouping tree species to estimate basal area increment in temperate multispecies forests in Durango, Mexico. <i>Forest Ecosystems</i> , 2024, 11, 100158.	3.2	2
65	Forest research and education in Germany. <i>Forest Science and Technology</i> , 2005, 1, 77-83.	0.8	1
66	Comparing the relative effects of species and size structure on forest productivity in different local environments. <i>Scandinavian Journal of Forest Research</i> , 2021, 36, 188-197.	1.5	1
67	To Act or not to Act . <i>BioScience</i> , 2014, 54, 1-11.	0.0	0
68	Using Functional Traits to Improve Estimates of Height-Diameter Allometry in a Temperate Mixed Forest. <i>Forests</i> , 2023, 14, 1604.	2.2	1
69	Selective logging destabilizes the functioning and composition of forest ecosystems at multiple spatial scales. <i>Oikos</i> , 2023, 2023, .	2.7	1
70	What Is a Forest ?. <i>Managing Forest Ecosystems</i> , 2021, , 1-22.	0.0	0
71	Forest Production. <i>Managing Forest Ecosystems</i> , 2021, , 221-280.	0.0	0
72	Forest Assessment and Observation. <i>Managing Forest Ecosystems</i> , 2021, , 23-80.	0.0	0

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73	The interaction of tomato powder and soy germ on prostate carcinogenesis in the TRAMP model. FASEB Journal, 2013, 27, 235.1.	0.5	0
74	Assessing populations of tree seedlings in multi-species natural forests. New Forests, 0, , .	1.7	0
75	Mismatch between species distribution and climatic niche optima in relation to functional traits. Forest Ecosystems, 2022, 9, 100077.	3.2	0
76	Stabilizing forest productivity and resilience at multiple scales. Forest Ecosystems, 2023, 10, 100136.	3.2	0
77	Book review "Wattles: Australian Acacia species around the world" by David M. Richardson, Johannes J. Le Roux and Elizabete Marchante. Forest Ecosystems, 2024, 11, 100175.	3.2	0