

Bogdan Jaroszewicz

List of Publications by Year in descending order

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Version: 2024-02-01

84
papers

5,563
citations

117625

34
h-index

85541

71
g-index

86
all docs

86
docs citations

86
times ranked

8247
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Positive biodiversity-productivity relationship predominant in global forests. <i>Science</i> , 2016, 354, . | 12.6 | 864 |
| 2 | Accelerated increase in plant species richness on mountain summits is linked to warming. <i>Nature</i> , 2018, 556, 231-234. | 27.8 | 580 |
| 3 | Forest microclimate dynamics drive plant responses to warming. <i>Science</i> , 2020, 368, 772-775. | 12.6 | 385 |
| 4 | Climatic controls of decomposition drive the global biogeography of forest-tree symbioses. <i>Nature</i> , 2019, 569, 404-408. | 27.8 | 371 |
| 5 | Biodiversity and ecosystem functioning relations in European forests depend on environmental context. <i>Ecology Letters</i> , 2017, 20, 1414-1426. | 6.4 | 244 |
| 6 | Biotic homogenization can decrease landscape-scale forest multifunctionality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3557-3562. | 7.1 | 196 |
| 7 | Jack-of-all-trades effects drive biodiversity-ecosystem multifunctionality relationships in European forests. <i>Nature Communications</i> , 2016, 7, 11109. | 12.8 | 185 |
| 8 | A novel comparative research platform designed to determine the functional significance of tree species diversity in European forests. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2013, 15, 281-291. | 2.7 | 179 |
| 9 | Is Tree Species Diversity or Species Identity the More Important Driver of Soil Carbon Stocks, C/N Ratio, and pH?. <i>Ecosystems</i> , 2016, 19, 645-660. | 3.4 | 141 |
| 10 | Late-spring frost risk between 1959 and 2017 decreased in North America but increased in Europe and Asia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12192-12200. | 7.1 | 140 |
| 11 | Seed dispersal by ungulates as an ecological filter: a trait-based meta-analysis. <i>Oikos</i> , 2015, 124, 1109-1120. | 2.7 | 130 |
| 12 | Drivers of temporal changes in temperate forest plant diversity vary across spatial scales. <i>Global Change Biology</i> , 2015, 21, 3726-3737. | 9.5 | 124 |
| 13 | Seasonal drivers of understorey temperature buffering in temperate deciduous forests across Europe. <i>Global Ecology and Biogeography</i> , 2019, 28, 1774-1786. | 5.8 | 115 |
| 14 | Meta-analysis of multidecadal biodiversity trends in Europe. <i>Nature Communications</i> , 2020, 11, 3486. | 12.8 | 115 |
| 15 | Global environmental change effects on plant community composition trajectories depend upon management legacies. <i>Global Change Biology</i> , 2018, 24, 1722-1740. | 9.5 | 93 |
| 16 | Combining Biodiversity Resurveys across Regions to Advance Global Change Research. <i>BioScience</i> , 2017, 67, 73-83. | 4.9 | 89 |
| 17 | The number of tree species on Earth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, . | 7.1 | 86 |
| 18 | Białowieża Forest – A Relic of the High Naturalness of European Forests. <i>Forests</i> , 2019, 10, 849. | 2.1 | 83 |

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|----|---|------|-----------|
| 19 | Continental mapping of forest ecosystem functions reveals a high but unrealised potential for forest multifunctionality. <i>Ecology Letters</i> , 2018, 21, 31-42. | 6.4 | 74 |
| 20 | Replacements of small- by large-ranged species scale up to diversity loss in Europe's temperate forest biome. <i>Nature Ecology and Evolution</i> , 2020, 4, 802-808. | 7.8 | 67 |
| 21 | Identifying the tree species compositions that maximize ecosystem functioning in European forests. <i>Journal of Applied Ecology</i> , 2019, 56, 733-744. | 4.0 | 58 |
| 22 | Correlated loss of ecosystem services in coupled mutualistic networks. <i>Nature Communications</i> , 2014, 5, 3810. | 12.8 | 56 |
| 23 | Inferring plant functional diversity from space: the potential of Sentinel-2. <i>Remote Sensing of Environment</i> , 2019, 233, 111368. | 11.0 | 56 |
| 24 | Drivers of earthworm incidence and abundance across European forests. <i>Soil Biology and Biochemistry</i> , 2016, 99, 167-178. | 8.8 | 53 |
| 25 | Observer and relocation errors matter in resurveys of historical vegetation plots. <i>Journal of Vegetation Science</i> , 2018, 29, 812-823. | 2.2 | 51 |
| 26 | Light availability and land-use history drive biodiversity and functional changes in forest herb layer communities. <i>Journal of Ecology</i> , 2020, 108, 1411-1425. | 4.0 | 49 |
| 27 | Variation in neighbourhood context shapes frugivore-mediated facilitation and competition among co-dispersed plant species. <i>Journal of Ecology</i> , 2015, 103, 526-536. | 4.0 | 48 |
| 28 | Litter quality, land-use history, and nitrogen deposition effects on topsoil conditions across European temperate deciduous forests. <i>Forest Ecology and Management</i> , 2019, 433, 405-418. | 3.2 | 46 |
| 29 | Environmental drivers interactively affect individual tree growth across temperate European forests. <i>Global Change Biology</i> , 2019, 25, 201-217. | 9.5 | 44 |
| 30 | Logging and forest edges reduce redundancy in plant-frugivore networks in an old-growth European forest. <i>Journal of Ecology</i> , 2013, 101, 990-999. | 4.0 | 41 |
| 31 | Fungal disease incidence along tree diversity gradients depends on latitude in European forests. <i>Ecology and Evolution</i> , 2016, 6, 2426-2438. | 1.9 | 40 |
| 32 | Directional turnover towards larger-ranged plants over time and across habitats. <i>Ecology Letters</i> , 2022, 25, 466-482. | 6.4 | 39 |
| 33 | The importance of coarse woody debris for vascular plants in temperate mixed deciduous forests. <i>Canadian Journal of Forest Research</i> , 2015, 45, 1154-1163. | 1.7 | 38 |
| 34 | Endozoochory by the guild of ungulates in Europe's primeval forest. <i>Forest Ecology and Management</i> , 2013, 305, 21-28. | 3.2 | 35 |
| 35 | Taxonomic and ecological relevance of the chlorophyll fluorescence signature of tree species in mixed European forests. <i>New Phytologist</i> , 2016, 212, 51-65. | 7.3 | 35 |
| 36 | Conifer proportion explains fine root biomass more than tree species diversity and site factors in major European forest types. <i>Forest Ecology and Management</i> , 2017, 406, 330-350. | 3.2 | 34 |

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|----|---|-----|-----------|
| 37 | Endozoochory by European bison (<i>Bison bonasus</i>) in BiaÅowieÅa Primeval Forest across a management gradient. <i>Forest Ecology and Management</i> , 2009, 258, 11-17. | 3.2 | 29 |
| 38 | Climate change, tourism and historical grazing influence the distribution of <i>Carex lachenalii</i> Schkuhr – A rare arctic-alpine species in the Tatra Mts. <i>Science of the Total Environment</i> , 2018, 618, 1628-1637. | 8.0 | 27 |
| 39 | Endozoochory by European bison influences the build-up of the soil seed bank in subcontinental coniferous forest. <i>European Journal of Forest Research</i> , 2013, 132, 445-452. | 2.5 | 26 |
| 40 | Ecology versus society: Impacts of bark beetle infestations on biodiversity and restorativeness in protected areas of Central Europe. <i>Biological Conservation</i> , 2021, 254, 108931. | 4.1 | 26 |
| 41 | Plant species composition shifts in the Tatra Mts as a response to environmental change: a resurvey study after 90 years. <i>Folia Geobotanica</i> , 2018, 53, 333-348. | 0.9 | 25 |
| 42 | Drivers of above-ground understorey biomass and nutrient stocks in temperate deciduous forests. <i>Journal of Ecology</i> , 2020, 108, 982-997. | 4.0 | 25 |
| 43 | Positive feedback loop between earthworms, humus form and soil pH reinforces earthworm abundance in European forests. <i>Functional Ecology</i> , 2020, 34, 2598-2610. | 3.6 | 24 |
| 44 | Evaluating structural and compositional canopy characteristics to predict the light demand signature of the forest understorey in mixed, semi-natural temperate forests. <i>Applied Vegetation Science</i> , 2021, 24, . | 1.9 | 24 |
| 45 | Impact of <i>Fraxinus excelsior</i> dieback on biota of ash-associated lichen epiphytes at the landscape and community level. <i>Biodiversity and Conservation</i> , 2020, 29, 431-450. | 2.6 | 23 |
| 46 | Maintaining natural and traditional cultural green infrastructures across Europe: learning from historic and current landscape transformations. <i>Landscape Ecology</i> , 2021, 36, 637-663. | 4.2 | 23 |
| 47 | Changes in the epiphytic lichen biota of BiaÅowieÅa Primeval Forest are not explained by climate warming. <i>Science of the Total Environment</i> , 2018, 643, 468-478. | 8.0 | 22 |
| 48 | The European bison as seed dispersers: the effect on the species composition of a disturbed pine forest community. <i>Botany</i> , 2008, 86, 475-484. | 1.0 | 19 |
| 49 | Tree identity rather than tree diversity drives earthworm communities in European forests. <i>Pedobiologia</i> , 2018, 67, 16-25. | 1.2 | 18 |
| 50 | Meeting places and social capital supporting rural landscape stewardship: A Pan-European horizon scanning. <i>Ecology and Society</i> , 2021, 26, . | 2.3 | 17 |
| 51 | Effects of grazing abandonment and climate change on mountain summits flora: a case study in the Tatra Mts. <i>Plant Ecology</i> , 2018, 219, 261-276. | 1.6 | 16 |
| 52 | Identifying mechanisms shaping lichen functional diversity in a primeval forest. <i>Forest Ecology and Management</i> , 2020, 475, 118434. | 3.2 | 15 |
| 53 | Climate change has cascading effects on tree masting and the breeding performance of a forest songbird in a primeval forest. <i>Science of the Total Environment</i> , 2020, 747, 142084. | 8.0 | 15 |
| 54 | Above- and below-ground complementarity rather than selection drive tree diversity-productivity relationships in European forests. <i>Functional Ecology</i> , 2021, 35, 1756-1767. | 3.6 | 15 |

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|----|--|-----|-----------|
| 55 | Predictors of diversity of deadwood-dwelling macrofungi in a European natural forest. <i>Forest Ecology and Management</i> , 2021, 490, 119123. | 3.2 | 15 |
| 56 | Observing frugivores or collecting scats: a method comparison to construct quantitative seed dispersal networks. <i>Oikos</i> , 2021, 130, 1359-1369. | 2.7 | 14 |
| 57 | The impact of salvage logging on herb layer species composition and plant community recovery in BiaÅowieÅa Forest. <i>Biodiversity and Conservation</i> , 2019, 28, 3407-3428. | 2.6 | 13 |
| 58 | Responses of competitive understorey species to spatial environmental gradients inaccurately explain temporal changes. <i>Basic and Applied Ecology</i> , 2018, 30, 52-64. | 2.7 | 11 |
| 59 | Homogenization of Temperate Mixed Deciduous Forests in BiaÅowieÅa Forest: Similar Communities Are Becoming More Similar. <i>Forests</i> , 2020, 11, 545. | 2.1 | 11 |
| 60 | Lack of demographic equilibrium indicates natural, large-scale forest dynamics, not a problematic forest conservation policy – a reply to Brzeziecki et al.. <i>Journal of Vegetation Science</i> , 2017, 28, 218-222. | 2.2 | 10 |
| 61 | Post-Fire Changes of Soil Seed Banks in the Early Successional Stage of Pine Forest. <i>Polish Journal of Ecology</i> , 2014, 62, 455-466. | 0.2 | 9 |
| 62 | Species richness influences the spatial distribution of trees in European forests. <i>Oikos</i> , 2020, 129, 380-390. | 2.7 | 9 |
| 63 | Shifts in Lichen Species and Functional Diversity in a Primeval Forest Ecosystem as a Response to Environmental Changes. <i>Forests</i> , 2021, 12, 686. | 2.1 | 8 |
| 64 | Climatic conditions, not above- and belowground resource availability and uptake capacity, mediate tree diversity effects on productivity and stability. <i>Science of the Total Environment</i> , 2022, 812, 152560. | 8.0 | 8 |
| 65 | Forest degradation limits the complementarity and quality of animal seed dispersal. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, . | 2.6 | 8 |
| 66 | Dung longevity influences the fate of endozoochorically dispersed seeds in forest ecosystems. <i>Botany</i> , 2011, 89, 779-785. | 1.0 | 7 |
| 67 | Freezing tolerance of seeds can explain differences in the distribution of two widespread mistletoe subspecies in Europe. <i>Forest Ecology and Management</i> , 2021, 482, 118806. | 3.2 | 7 |
| 68 | Within-Species Trait Variation Can Lead to Size Limitations in Seed Dispersal of Small-Fruited Plants. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, . | 2.2 | 7 |
| 69 | The effects of different types of woodstand disturbance on the persistence of soil seed banks. <i>Acta Societatis Botanicorum Poloniae</i> , 2011, 80, 149-157. | 0.8 | 6 |
| 70 | Lichenicolous fungi are more specialized than their lichen hosts in primeval forest ecosystems, BiaÅowieÅa Forest, northeast Poland. <i>Fungal Ecology</i> , 2019, 42, 100866. | 1.6 | 5 |
| 71 | Effective mitigation of conservation conflicts and participatory governance: reflections on KuboÅ, et al.. <i>Conservation Biology</i> , 2019, 33, 962-965. | 4.7 | 5 |
| 72 | Species Identity of Large Trees Affects the Composition and the Spatial Structure of Adjacent Trees. <i>Forests</i> , 2021, 12, 1162. | 2.1 | 5 |

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|----|---|------|-----------|
| 73 | Forest floor plant diversity drives the use of mature spruce forests by European bison. <i>Ecology and Evolution</i> , 2021, 11, 636-647. | 1.9 | 5 |
| 74 | Poland's border wall threatens ancient forest. <i>Science</i> , 2021, 374, 1063-1063. | 12.6 | 5 |
| 75 | Biodiversity of Bryophytes Growing on the Faeces of Ungulates - a Case Study from north-eastern Poland. <i>Cryptogamie, Bryologie</i> , 2011, 32, 221-231. | 0.2 | 4 |
| 76 | Winter supplementary feeding influences forest soil seed banks and vegetation. <i>Applied Vegetation Science</i> , 2017, 20, 683-691. | 1.9 | 4 |
| 77 | Thermal differences between juveniles and adults increased over time in European forest trees. <i>Journal of Ecology</i> , 2021, 109, 3944-3957. | 4.0 | 4 |
| 78 | Response to Comment on "Forest microclimate dynamics drive plant responses to warming". <i>Science</i> , 2020, 370, . | 12.6 | 3 |
| 79 | Vegetation diversity influences endozoochoric seed dispersal by moose (<i>Alces alces</i> L.). <i>Open Life Sciences</i> , 2013, 8, 1250-1264. | 1.4 | 2 |
| 80 | Composition and Specialization of the Lichen Functional Traits in a Primeval Forest "Does Ecosystem Organization Level Matter?". <i>Forests</i> , 2021, 12, 485. | 2.1 | 2 |
| 81 | Fungal microbiota in seeds, seedlings and mature plants of raspberry (<i>Rubus ideaus</i> L.). <i>European Journal of Plant Pathology</i> , 2021, 161, 815-820. | 1.7 | 2 |
| 82 | Response to Comment on "Forest microclimate dynamics drive plant responses to warming". <i>Science</i> , 2020, 370, . | 12.6 | 1 |
| 83 | Population and community-level compositional patterns shape the realized niche of the rare arctic-alpine species <i>Carex lachenalii</i> Schkuhr. <i>Nordic Journal of Botany</i> , 2020, 38, . | 0.5 | 0 |
| 84 | An Efficient Tool for the Maintenance of Thermophilous Oak Forest Understory "Sheep or Brush Cutter?". <i>Forests</i> , 2020, 11, 582. | 2.1 | 0 |