Andrzej M Jagodzinski

List of Publications by Year in Descending Order

127 papers	3,411 citations	25 h-index	55 g-index
133 ext. papers	4,681 ext. citations	4.6 avg, IF	5.77 L-index

#	Paper	IF	Citations
127	The number of tree species on Earth.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119,	11.5	6
126	The afterlife of herbaceous plant species: A litter decomposition experiment in a temperate oak-hornbeam forest. *Forest Ecology and Management*, **2022**, 507, 120008	3.9	1
125	Altered growth with blue rings: comparison of radial growth and wood anatomy between trampled and non-trampled Scots pine roots. *Dendrochronologia*, **2022**, 72, 125922	2.8	0
124	Predicted range shifts of invasive giant hogweed (Heracleum mantegazzianum) in Europe.. *Science of the Total Environment*, **2022**, 154053	10.2	1
123	How different is the forest on post-coal mine heap regarded as novel ecosystem?. *Forest Ecology and Management*, **2022**, 515, 120205	3.9	0
122	Mineral Contents in Aboveground Biomass of Sedges (Carex L., Cyperaceae). *Energies*, **2021**, 14, 8007	3.1	1
121	Does litter decomposition affect mite communities (Acari, Mesostigmata)? A five-year litterbag experiment with 14 tree species in mixed forest stands growing on a post-industrial area. *Geoderma* , **2021**, 391, 114963	6.7	3
120	Predatory mite instars (Acari, Mesostigmata) and decomposing tree leaves in mixed and monoculture stands growing on a spoil heap and surrounding forests. *Experimental and Applied Acarology*, **2021**, 84, 703-731	2.1	0
119	Seedling regeneration techniques affect root systems and the response of Quercus robur seedlings to water shortages. *Forest Ecology and Management*, **2021**, 479, 118552	3.9	7
118	Cell wall epitopes in grasses of different novel ecosystem habitats on post-industrial sites. *Land Degradation and Development*, **2021**, 32, 1680-1694	4.4	3
117	Use of remote sensing to track postindustrial vegetation development. *Land Degradation and Development*, **2021**, 32, 1426-1439	4.4	2
116	Black locust (Robinia pseudoacacia L.) range contraction and expansion in Europe under changing climate. *Global Change Biology*, **2021**, 27, 1587-1600	11.4	27
115	Tree species have a greater influence on species composition of the herb layer than soil texture on a forested post-mining area. *Land Degradation and Development*, **2021**, 32, 2013-2024	4.4	2
114	Impacts of invasive trees on alpha and beta diversity of temperate forest understories. *Biological Invasions*, **2021**, 23, 235-252	2.7	5
113	Short lifefast death: decomposition rates of woody plants leaf- and herb-litter. *Annals of Forest Science*, **2021**, 78, 1	3.1	4
112	Forest land use discontinuity and northern red oak Quercus rubra introduction change biomass allocation and life strategy of lingonberry Vaccinium vitis-idaea. *Forest Ecosystems*, **2021**, 8,	3.8	1
111	Possible changes in spatial distribution of walnut (Juglans regia L.) in Europe under warming climate. *Regional Environmental Change*, **2021**, 21, 1	4.3	10

110	How do invasive trees impact shrub layer diversity and productivity in temperate forests?. *Annals of Forest Science*, **2021**, 78, 1	3.1	4
109	Macro- and Micronutrient Contents in Soils of a Chronosequence of Naturally Regenerated Birch Stands on Abandoned Agricultural Lands in Central Poland. *Forests*, **2021**, 12, 956	2.8	0
108	Loss in macronutrient pools in bilberry and lingonberry in mesic Scots pine forests after Northern red oak introduction. *European Journal of Forest Research*, **2021**, 140, 1499	2.7	
107	Forest stand structure and cone crop affect winter habitat use by Eurasian red squirrel (Sciurus vulgaris). *Forest Ecology and Management*, **2021**, 502, 119705	3.9	1
106	Fungal diversity notes 1387-1511: taxonomic and phylogenetic contributions on genera and species of fungal taxa.. *Fungal Diversity*, **2021**, 111, 1-335	17.6	17
105	Late-spring frost risk between 1959 and 2017 decreased in North America but increased in Europe and Asia. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 12192-12200	11.5	44
104	Impact of Invasive Tree Species on Natural Regeneration Species Composition, Diversity, and Density. *Forests*, **2020**, 11, 456	2.8	20
103	On the sunny side of the crown—quantification of intra-canopy SLA variation among 179 taxa. *Forest Ecology and Management*, **2020**, 472, 118254	3.9	4
102	Differences in biomass production and carbon sequestration between highland and lowland stands of Picea abies (L.) H. Karst. and Fagus sylvatica L.. *Forest Ecology and Management*, **2020**, 474, 118329	3.9	7
101	Pollen morphology and variability of Sambucus nigra L.—Adoxaceae. *Biologia (Poland)*, **2020**, 75, 481-493	1.5	6
100	Impacts of alien tree species on the abundance and diversity of terricolous bryophytes. *Folia Geobotanica*, **2020**, 55, 351-363	1.4	2
99	Potential distribution of an epiphytic bryophyte depends on climate and forest continuity. *Global and Planetary Change*, **2020**, 193, 103270	4.2	1
98	River regulation drives shifts in urban riparian vegetation over three decades. *Urban Forestry and Urban Greening*, **2020**, 47, 126524	5.4	3
97	TRY plant trait database - enhanced coverage and open access. *Global Change Biology*, **2020**, 26, 119-188	11.4	399
96	Do the dominant plant species impact the substrate and vegetation composition of post-coal mining spoil heaps?. *Ecological Engineering*, **2020**, 143, 105685	3.9	9
95	Landscape and parental tree availability drive spread of Ailanthus altissima in the urban ecosystem of Poznań, Poland. *Urban Forestry and Urban Greening*, **2020**, 56, 126868	5.4	2
94	Consequences of different sample drying temperatures for accuracy of biomass inventories in forest ecosystems. *Scientific Reports*, **2020**, 10, 16009	4.9	1
93	Seasonal dynamics of shoot biomass of dominant clonal herb species in an oak–hornbeam forest herb layer. *Plant Ecology*, **2020**, 221, 1133-1142	1.7	4

92	Leaf Traits and Aboveground Biomass Variability of Forest Understory Herbaceous Plant Species. *Ecosystems*, **2020**, 23, 555-569	3.9	12
91	Biological Flora of the British Isles: Quercus rubra. *Journal of Ecology*, **2020**, 108, 1199-1225	6	12
90	Seedling survival of Prunus serotina Ehrh., Quercus rubra L. and Robinia pseudoacacia L. in temperate forests of Western Poland. *Forest Ecology and Management*, **2019**, 450, 117498	3.9	26
89	Regeneration origin affects radial growth patterns preceding oak decline and death – insights from tree-ring δ13C and δ18O. *Agricultural and Forest Meteorology*, **2019**, 278, 107685	5.8	12
88	Slope exposure and forest stand type as crucial factors determining the decomposition rate of herbaceous litter on a reclaimed spoil heap. *Catena*, **2019**, 175, 219-227	5.8	7
87	Tree and stand level estimations of Abies alba Mill. aboveground biomass. *Annals of Forest Science*, **2019**, 76, 1	3.1	16
86	Site Type Effect on Litter Decomposition Rates: A Three-Year Comparison of Decomposition Process between Spoil Heap and Forest Sites. *Forests*, **2019**, 10, 353	2.8	11
85	Seasonal Dynamics of Floodplain Forest Understory—Impacts of Degradation, Light Availability and Temperature on Biomass and Species Composition. *Forests*, **2019**, 10, 22	2.8	11
84	Root trait variation in African savannas. *Plant and Soil*, **2019**, 441, 555-565	4.2	10
83	Climatic controls of decomposition drive the global biogeography of forest-tree symbioses. *Nature*, **2019**, 569, 404-408	50.4	203
82	Mite Communities (Acari, Mesostigmata) in the Initially Decomposed Litter Islands of 11 Tree Species in Scots Pine (Pinus sylvestris L.) Forest. *Forests*, **2019**, 10, 403	2.8	7
81	Effects of land use change and Quercus rubra introduction on Vaccinium myrtillus performance in Pinus sylvestris forests. *Forest Ecology and Management*, **2019**, 440, 1-11	3.9	9
80	Context-Dependence of Urban Forest Vegetation Invasion Level and Alien Species' Ecological Success. *Forests*, **2019**, 10, 26	2.8	14
79	Natural regeneration and recruitment of native Quercus robur and introduced Q. rubra in European oak-pine mixed forests. *Forest Ecology and Management*, **2019**, 449, 117473	3.9	12
78	Responses of soil mite communities (Acari: Oribatida, Mesostigmata) to elemental composition of mosses and pine needles and long-term air pollution in Scots pine (Pinus sylvestris L.) stands. *Science of the Total Environment*, **2019**, 691, 284-295	10.2	3
77	Effects of stand features on aboveground biomass and biomass conversion and expansion factors based on a Pinus sylvestris L. chronosequence in Western Poland. *European Journal of Forest Research*, **2019**, 138, 673-683	2.7	12
76	Succession of Tree Species on Drained Bogs in Brzozowe Bagno koło Czaplinka Nature Reserve, NW Poland. *Polish Journal of Ecology*, **2019**, 66, 352	0.4	0
75	Similar Impacts of Alien and Native Tree Species on Understory Light Availability in a Temperate Forest. *Forests*, **2019**, 10, 951	2.8	13

74	Advantages of mixed tree stands in restoration of upper soil layers on postmining sites: A five-year leaf litter decomposition experiment. *Land Degradation and Development*, **2019**, 30, 3-13	4.4	22
73	Factors influencing the accuracy of ground-based tree-height measurements for major European tree species. *Journal of Environmental Management*, **2019**, 231, 1284-1292	7.9	17
72	Differentiation of herb layer vascular flora in reclaimed areas depends on the species composition of forest stands. *Forest Ecology and Management*, **2018**, 409, 541-551	3.9	20
71	Limited dispersal prevents Quercus rubra invasion in a 14-species common garden experiment. *Diversity and Distributions*, **2018**, 24, 403-414	5	26
70	Functional response of Quercus robur L. to taproot pruning: a 5-year case study. *Annals of Forest Science*, **2018**, 75, 1	3.1	8
69	Drivers of invasive tree and shrub natural regeneration in temperate forests. *Biological Invasions*, **2018**, 20, 2363-2379	2.7	37
68	Canopy tree species determine herb layer biomass and species composition on a reclaimed mine spoil heap. *Science of the Total Environment*, **2018**, 635, 1205-1214	10.2	21
67	Climate change, tourism and historical grazing influence the distribution of Carex lachenalii Schkuhr - A rare arctic-alpine species in the Tatra Mts. *Science of the Total Environment*, **2018**, 618, 1628-1637	10.2	25
66	How much does climate change threaten European forest tree species distributions?. *Global Change Biology*, **2018**, 24, 1150-1163	11.4	290
65	The carbon balance of a Scots pine forest following severe windthrow: Comparison of reforestation techniques. *Agricultural and Forest Meteorology*, **2018**, 260-261, 216-228	5.8	5
64	Natural forest remnants as refugia for bryophyte diversity in a transformed mountain river valley landscape. *Science of the Total Environment*, **2018**, 640-641, 954-964	10.2	14
63	Plant communities of the Czerwona Woda River Valley (Stołowe Mountains National Park). *Forest Research Papers*, **2018**, 79, 181-197	0.2	2
62	How do tree stand parameters affect young Scots pine biomass? Allometric equations and biomass conversion and expansion factors. *Forest Ecology and Management*, **2018**, 409, 74-83	3.9	25
61	Tree species effects on bryophyte guilds on a reclaimed post-mining site. *Ecological Engineering*, **2018**, 110, 117-127	3.9	30
60	Succession of Mite Assemblages (Acari, Mesostigmata) during Decomposition of Tree Leaves in Forest Stands Growing on Reclaimed Post-Mining Spoil Heap and Adjacent Forest Habitats. *Forests*, **2018**, 9, 718	2.8	8
59	Tree- and Stand-Level Biomass Estimation in a Larix decidua Mill. Chronosequence. *Forests*, **2018**, 9, 587	2.8	20
58	Response of soil mites (Acari, Mesostigmata) to long-term Norway spruce plantation along a mountain stream. *Experimental and Applied Acarology*, **2018**, 76, 269-286	2.1	4
57	Autophagy counteracts instantaneous cell death during seasonal senescence of the fine roots and leaves in Populus trichocarpa. *BMC Plant Biology*, **2018**, 18, 260	5.3	15

56	Impacts of soil conditions and light availability on natural regeneration of Norway spruce Picea abies (L.) H. Karst. in low-elevation mountain forests. *Annals of Forest Science*, **2018**, 75, 1	3.1	4
55	Low impact of disturbance on ecological success of invasive tree and shrub species in temperate forests. *Plant Ecology*, **2018**, 219, 1369-1380	1.7	12
54	Primula veris plants derived from in vitro cultures and from seeds: genetic stability, morphology, and seed characteristics. *Turkish Journal of Botany*, **2018**, 42, 412-422	1.3	0
53	Propagule pressure, presence of roads, and microsite variability influence dispersal of introduced Quercus rubra in temperate Pinus sylvestris forest. *Forest Ecology and Management*, **2018**, 428, 35-45	3.9	16
52	Do understorey or overstorey traits drive tree encroachment on a drained raised bog?. *Plant Biology*, **2017**, 19, 571-583	3.7	7
51	Ectomycorrhizal Fungi: A Major Player in Early Succession **2017**, 187-229		3
50	Ecological lands for conservation of vascular plant diversity in the urban environment. *Urban Ecosystems*, **2017**, 20, 639-650	2.8	17
49	The utility of ancient forest indicator species in urban environments: A case study from Pozna Poland. *Urban Forestry and Urban Greening*, **2017**, 27, 76-83	5.4	17
48	Tree species effects on litter decomposition in pure stands on afforested post-mining sites. *Forest Ecology and Management*, **2017**, 406, 1-11	3.9	68
47	Interaction between invasive and potentially invasive shrub species does not influence relationships between their ecological success and distance from propagule sources. *Plant Ecology*, **2017**, 218, 923-933	1.7	3
46	Biomass conversion and expansion factors for a chronosequence of young naturally regenerated silver birch (Betula pendula Roth) stands growing on post-agricultural sites. *Forest Ecology and Management*, **2017**, 384, 208-220	3.9	24
45	Variability of the inflorescence morphology of Carex spicata (Cyperaceae) and its implication to taxonomy. *Nordic Journal of Botany*, **2017**, 35, 95-106	1.1	2
44	Continuum of floristic composition between two plant communities Carici elongatae-Alnetum and Fraxino-Alnetum. *Forest Research Papers*, **2017**, 78, 285-296	0.2	2
43	Biodiversity of ectomycorrhizal fungi in surface mine spoil restoration stands in Poland First time recorded, rare, and red-listed species. *Acta Mycologica*, **2017**, 51,	1	9
42	Positive biodiversity-productivity relationship predominant in global forests. *Science*, **2016**, 354,	33.3	593
41	Seasonal variability of biomass, total leaf area and specific leaf area of forest understory herbs reflects their life strategies. *Forest Ecology and Management*, **2016**, 374, 71-81	3.9	37
40	Patterns of plant invasions at small spatial scale correspond with that at the whole country scale. *Urban Ecosystems*, **2016**, 19, 983-998	2.8	13
39	Light, earthworms, and soil resources as predictors of diversity of 10 soil invertebrate groups across monocultures of 14 tree species. *Soil Biology and Biochemistry*, **2016**, 92, 184-198	7.5	65

38	Taxonomic significance of achene morphology of selected Rosa taxa (Rosaceae) occurring in Poland. *Acta Societatis Botanicorum Poloniae*, **2016**, 85,	1.5	3
37	Changes in vegetation of the Mszar Bogdaniec nature reserve. *Forest Research Papers*, **2016**, 77, 104-116	0.2	
36	Tree Age Effects on Fine Root Biomass and Morphology over Chronosequences of Fagus sylvatica, Quercus robur and Alnus glutinosa Stands. *PLoS ONE*, **2016**, 11, e0148668	3.7	34
35	Functional diversity, succession, and human-mediated disturbances in raised bog vegetation. *Science of the Total Environment*, **2016**, 562, 648-657	10.2	15
34	Above- and below-ground biomass partitioning and fine root morphology in juvenile Sitka spruce clones in monoclonal and polyclonal mixtures. *Forest Ecology and Management*, **2016**, 373, 17-25	3.9	11
33	Seasonal variation in chemistry, but not morphology, in roots of Quercus robur growing in different soil types. *Tree Physiology*, **2015**, 35, 644-52	4.2	38
32	Effects of litter traits, soil biota, and soil chemistry on soil carbon stocks at a common garden with 14 tree species. *Biogeochemistry*, **2015**, 123, 313-327	3.8	61
31	How does biomass distribution change with size and differ among species? An analysis for 1200 plant species from five continents. *New Phytologist*, **2015**, 208, 736-49	9.8	153
30	Encroachment of woody species on a drained transitional peat bog in Mszar Bogdaniec nature reserve (Western Poland). *Folia Forestalia Polonica, Series A*, **2015**, 57, 160-172	0.7	7
29	Plantation of coniferous trees modifies risk and size of Padus serotina (Ehrh.) Borkh. invasion – Evidence from a Rogów Arboretum case study. *Forest Ecology and Management*, **2015**, 357, 84-94	3.9	21
28	The optimal sample size in pollen morphological studies using the example of Rosa canina L. (Rosaceae). *Palynology*, **2015**, 39, 56-75	1.5	12
27	The rich get richer concept in riparian woody species – A case study of the Warta River Valley (Poznań, Poland). *Urban Forestry and Urban Greening*, **2015**, 14, 107-114	5.4	31
26	Encroachment of Padus serotina (Ehrh.) Borkh.into alder carrs and ash-alder riparian forests. *Acta Scientiarum Polonorum Silvarum Colendarum Ratio Et Industria Lignaria*, **2015**, 14, 103-113		3
25	Fine root parameters and mycorrhizal colonization of horse chestnut trees (Aesculus hippocastanum L.) in urban and rural environments. *Landscape and Urban Planning*, **2014**, 127, 154-163	7.7	13
24	The silent shareholder in deterioration of oak growth: common planting practices affect the long-term response of oaks to periodic drought. *Forest Ecology and Management*, **2014**, 318, 133-141	3.9	24
23	Habitat preferences of royal fern Osmunda regalis L. in the Baszków nature reserve. *Folia Forestalia Polonica, Series A*, **2014**, 56, 171-178	0.7	1
22	Invasive Prunus serotina - a new host for Yponomeuta evonymellus (Lepidoptera: Yponomeutidae)?. *European Journal of Entomology*, **2014**, 111, 227-236		17
21	Aboveground biomass allocation and accumulation in a chronosequence of young Pinus sylvestris stands growing on a lignite mine spoil heap. *Dendrobiology*, **2014**, 72, 139-150		19

20	Natural regeneration in the Czmoch nature reserve (Wielkopolska Region). *Forest Research Papers*, **2014**, 75, 61-75	0.2	2
19	Season and light affect constitutive defenses of understory shrub species against folivorous insects. *Acta Oecologica*, **2013**, 53, 19-32	1.7	38
18	Comparison of pollen grain morphological features of selected species of the genusCrataegus(Rosaceae) and their spontaneous hybrids. *Botanical Journal of the Linnean Society*, **2013**, 172, 555-571	2.2	15
17	Spatial distribution of Cynips quercusfolii (Hymenoptera: Cynipidae) galls on leaves and within the crowns of oak trees. *European Journal of Entomology*, **2013**, 110, 657-661		6
16	Seasonal changes in the understorey biomass of an oak-hornbeam forest Galio sylvatici-Carpinetum betuli. *Forest Research Papers*, **2013**, 74, 35-47	0.2	2
15	Morphological studies of pollen grains of the Polish endemic species of the genus Rubus (Rosaceae). *Biologia (Poland)*, **2012**, 67, 87-96	1.5	7
14	Responses of leaf structure and photosynthetic properties to intra-canopy light gradients: a common garden test with four broadleaf deciduous angiosperm and seven evergreen conifer tree species. *Oecologia*, **2012**, 170, 11-24	2.9	64
13	Tree species effects on coupled cycles of carbon, nitrogen, and acidity in mineral soils at a common garden experiment. *Biogeochemistry*, **2012**, 111, 601-614	3.8	140
12	Seed morphology and endosperm structure of selected species of Primulaceae, Myrsinaceae, and Theophrastaceae and their systematic importance. *Plant Systematics and Evolution*, **2011**, 291, 159-172	1.3	10
11	Systematic importance of pollen morphological features of selected species from the genus Rosa (Rosaceae). *Plant Systematics and Evolution*, **2011**, 295, 55-72	1.3	19
10	Variation of seed morphology of Trollius europaeus L. and Trollius altissimus Crantz (Ranunculaceae). *Acta Societatis Botanicorum Poloniae*, **2011**, 79, 117-123	1.5	5
9	Pollen morphology of selected Central European species from subgenera Vignea and Carex (Carex, Cyperaceae) and its relation to taxonomy. *Botanical Journal of the Linnean Society*, **2010**, 164, 422-439	2.2	10
8	Variability of perigynium morphology of Central European members of Carex sect. Phaestoglochin (Cyperaceae) from variable plant communities. *Plant Systematics and Evolution*, **2009**, 278, 87-99	1.3	7
7	Overstorey tree species regulate colonization by native and exotic plants: a source of positive relationships between understorey diversity and invasibility. *Diversity and Distributions*, **2008**, 14, 666-675	5	68
6	Morphological variability of Carex spicata Huds. utricles among plant communities. *Flora: Morphology, Distribution, Functional Ecology of Plants*, **2008**, 203, 386-395	1.9	12
5	Soil modification by different tree species influences the extent of seedling ectomycorrhizal infection. *Mycorrhiza*, **2006**, 16, 73-79	3.9	32
4	Successional traits of ectomycorrhizal fungi in forest reclamation after surface mining and agricultural disturbances: A review. *Dendrobiology*,76, 91-104		15
3	Functional traits of acquisitive invasive woody species differ from conservative invasive and native species. *NeoBiota*,41, 91-113	4.2	18

2	Light and propagule pressure affect invasion intensity of Prunus serotina in a 14-tree species forest common garden experiment. *NeoBiota*,46, 1-21	4.2	8
1	Herbaceous Layer Net Primary Production of Oak-Hornbeam Forest: Comparing Six Methods of Assessment Based on the Seasonal Dynamics of Biomass Increments. *Ecosystems*,1	3.9	0