

# Patrick Weigelt

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

95  
papers

4,696  
citations

32  
h-index

68  
g-index

109  
ext. papers

6,679  
ext. citations

7.6  
avg, IF

5.49  
L-index

#	Paper	IF	Citations
95	Environmental and socioeconomic correlates of extinction risk in endemic species. <i>Diversity and Distributions</i> , <b>2022</b> , 28, 53	5	1
94	Vascular epiphytes contribute disproportionately to global centres of plant diversity. <i>Global Ecology and Biogeography</i> , <b>2022</b> , 31, 62	6.1	4
93	Plant Invasions in Africa <b>2022</b> , 225-252		1
92	European Plant Invasions <b>2022</b> , 151-165		1
91	The global loss of floristic uniqueness.. <i>Nature Communications</i> , <b>2021</b> , 12, 7290	17.4	2
90	Mycorrhizal types influence island biogeography of plants. <i>Communications Biology</i> , <b>2021</b> , 4, 1128	6.7	2
89	Anthropogenic and environmental drivers shape diversity of naturalized plants across the Pacific. <i>Diversity and Distributions</i> , <b>2021</b> , 27, 1120-1133	5	0
88	EpiList 1.0: a global checklist of vascular epiphytes. <i>Ecology</i> , <b>2021</b> , 102, e03326	4.6	15
87	Scientific floras can be reliable sources for some trait data in a system with poor coverage in global trait databases. <i>Journal of Vegetation Science</i> , <b>2021</b> , 32, e12996	3.1	4
86	Climate and socio-economic factors explain differences between observed and expected naturalization patterns of European plants around the world. <i>Global Ecology and Biogeography</i> , <b>2021</b> , 30, 1514-1531	6.1	1
85	Persistent soil seed banks promote naturalisation and invasiveness in flowering plants. <i>Ecology Letters</i> , <b>2021</b> , 24, 1655-1667	10	4
84	Synthesizing tree biodiversity data to understand global patterns and processes of vegetation. <i>Journal of Vegetation Science</i> , <b>2021</b> , 32, e13021	3.1	3
83	Dimensions of invasiveness: Links between local abundance, geographic range size, and habitat breadth in Europe's alien and native floras. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	4
82	Niche properties constrain occupancy but not abundance patterns of native and alien woody species across Hawaiian forests. <i>Journal of Vegetation Science</i> , <b>2021</b> , 32, e13025	3.1	0
81	bRacatus: A method to estimate the accuracy and biogeographical status of georeferenced biological data. <i>Methods in Ecology and Evolution</i> , <b>2021</b> , 12, 1609-1619	7.7	1
80	Evolutionary winners are ecological losers among oceanic island plants. <i>Journal of Biogeography</i> , <b>2021</b> , 48, 2186-2198	4.1	2
79	Potential alien ranges of European plants will shrink in the future, but less so for already naturalized than for not yet naturalized species. <i>Diversity and Distributions</i> , <b>2021</b> , 27, 2063	5	1

78	Latitudinal patterns of alien plant invasions. <i>Journal of Biogeography</i> , <b>2021</b> , 48, 253-262	4.1	4
77	Disentangling native and alien plant diversity in coastal sand dune ecosystems worldwide. <i>Journal of Vegetation Science</i> , <b>2021</b> , 32,	3.1	8
76	Legacy of archipelago history in modern island biodiversity [An agent-based simulation model. <i>Global Ecology and Biogeography</i> , <b>2021</b> , 30, 247-261	6.1	3
75	Source pools and disharmony of the world's island floras. <i>Ecography</i> , <b>2021</b> , 44, 44-55	6.5	12
74	Role of diversification rates and evolutionary history as a driver of plant naturalization success. <i>New Phytologist</i> , <b>2021</b> , 229, 2998-3008	9.8	5
73	Global root traits (GRooT) database. <i>Global Ecology and Biogeography</i> , <b>2021</b> , 30, 25-37	6.1	28
72	Phylogenetic structure of alien plant species pools from European donor habitats. <i>Global Ecology and Biogeography</i> , <b>2021</b> ,	6.1	1
71	BIOVERA-Tree: tree diversity, community composition, forest structure and functional traits along gradients of forest-use intensity and elevation in Veracruz, Mexico. <i>Biodiversity Data Journal</i> , <b>2021</b> , 9, e69560	1.8	1
70	Functional traits are key to understanding orchid diversity on islands. <i>Ecography</i> , <b>2021</b> , 44, 703-714	6.5	7
69	Economic use of plants is key to their naturalization success. <i>Nature Communications</i> , <b>2020</b> , 11, 3201	17.4	37
68	Species–area relationships on small islands differ among plant growth forms. <i>Global Ecology and Biogeography</i> , <b>2020</b> , 29, 814-829	6.1	15
67	Effects of land-use change and related pressures on alien and native subsets of island communities. <i>PLoS ONE</i> , <b>2020</b> , 15, e0227169	3.7	3
66	South Africa as a Donor of Naturalised and Invasive Plants to Other Parts of the World <b>2020</b> , 759-785		7
65	A global test of the subsidized island biogeography hypothesis. <i>Global Ecology and Biogeography</i> , <b>2020</b> , 29, 320-330	6.1	8
64	Current climate, isolation and history drive global patterns of tree phylogenetic endemism. <i>Global Ecology and Biogeography</i> , <b>2020</b> , 29, 4-15	6.1	16
63	Global fern and lycophyte richness explained: How regional and local factors shape plot richness. <i>Journal of Biogeography</i> , <b>2020</b> , 47, 59-71	4.1	16
62	TRY plant trait database - enhanced coverage and open access. <i>Global Change Biology</i> , <b>2020</b> , 26, 119-188	11.4	399
61	Similar factors underlie tree abundance in forests in native and alien ranges. <i>Global Ecology and Biogeography</i> , <b>2020</b> , 29, 281-294	6.1	8

60	Disentangling the drivers of local species richness using probabilistic species pools. <i>Journal of Biogeography</i> , <b>2020</b> , 47, 879-889	4.1	0
59	Towards an extended framework for the general dynamic theory of biogeography. <i>Journal of Biogeography</i> , <b>2020</b> , 47, 2554-2566	4.1	4
58	Snapshot isolation and isolation history challenge the analogy between mountains and islands used to understand endemism. <i>Global Ecology and Biogeography</i> , <b>2020</b> , 29, 1651-1673	6.1	20
57	What Will the Future Bring for Biological Invasions on Islands? An Expert-Based Assessment. <i>Frontiers in Ecology and Evolution</i> , <b>2020</b> , 8,	3.7	14
56	Environmental heterogeneity dynamics drive plant diversity on oceanic islands. <i>Journal of Biogeography</i> , <b>2020</b> , 47, 2248-2260	4.1	6
55	GIFT [A Global Inventory of Floras and Traits for macroecology and biogeography. <i>Journal of Biogeography</i> , <b>2020</b> , 47, 16-43	4.1	50
54	Domestic gardens play a dominant role in selecting alien species with adaptive strategies that facilitate naturalization. <i>Global Ecology and Biogeography</i> , <b>2019</b> , 28, 628-639	6.1	21
53	Contrasting patterns of naturalized plant richness in the Americas: Numbers are higher in the North but expected to rise sharply in the South. <i>Global Ecology and Biogeography</i> , <b>2019</b> , 28, 779-783	6.1	9
52	The role of fruit heteromorphism in the naturalization of Asteraceae. <i>Annals of Botany</i> , <b>2019</b> , 123, 1043-1052	4.5	5
51	Make EU trade with Brazil sustainable. <i>Science</i> , <b>2019</b> , 364, 341	33.3	35
50	Biodiversity data integration-the significance of data resolution and domain. <i>PLoS Biology</i> , <b>2019</b> , 17, e30009183	9.183	38
49	Island disharmony revisited using orchids as a model group. <i>New Phytologist</i> , <b>2019</b> , 223, 597-606	9.8	22
48	Mycorrhizal fungi influence global plant biogeography. <i>Nature Ecology and Evolution</i> , <b>2019</b> , 3, 424-429	12.3	44
47	Tall-statured grasses: a useful functional group for invasion science. <i>Biological Invasions</i> , <b>2019</b> , 21, 37-58	2.7	21
46	Drivers of the relative richness of naturalized and invasive plant species on Earth. <i>AoB PLANTS</i> , <b>2019</b> , 11, plz051	2.9	31
45	Why tree lines are lower on islands? Climatic and biogeographic effects hold the answer. <i>Global Ecology and Biogeography</i> , <b>2019</b> , 28, 839-850	6.1	19
44	Facultative mycorrhizal associations promote plant naturalization worldwide. <i>Ecosphere</i> , <b>2019</b> , 10, e029371	3.71	10
43	Autofertility and self-compatibility moderately benefit island colonization of plants. <i>Global Ecology and Biogeography</i> , <b>2019</b> , 28, 341-352	6.1	9

42	The Global Naturalized Alien Flora (GloNAF) database. <i>Ecology</i> , <b>2019</b> , 100, e02542	4.6	75
41	The changing role of ornamental horticulture in alien plant invasions. <i>Biological Reviews</i> , <b>2018</b> , 93, 1421-1437	14.37	131
40	European ornamental garden flora as an invasion debt under climate change. <i>Journal of Applied Ecology</i> , <b>2018</b> , 55, 2386-2395	5.8	23
39	Remoteness promotes biological invasions on islands worldwide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 9270-9275	11.5	66
38	The role of adaptive strategies in plant naturalization. <i>Ecology Letters</i> , <b>2018</b> , 21, 1380-1389	10	32
37	Oceanic island biogeography through the lens of the general dynamic model: assessment and prospect. <i>Biological Reviews</i> , <b>2017</b> , 92, 830-853	13.5	83
36	No saturation in the accumulation of alien species worldwide. <i>Nature Communications</i> , <b>2017</b> , 8, 14435	17.4	863
35	Resource stoichiometry and availability modulate species richness and biomass of tropical litter macro-invertebrates. <i>Journal of Animal Ecology</i> , <b>2017</b> , 86, 1114-1123	4.7	14
34	Will climate change increase hybridization risk between potential plant invaders and their congeners in Europe?. <i>Diversity and Distributions</i> , <b>2017</b> , 23, 934-943	5	12
33	Global hotspots and correlates of alien species richness across taxonomic groups. <i>Nature Ecology and Evolution</i> , <b>2017</b> , 1,	12.3	196
32	A roadmap for island biology: 50 fundamental questions after 50 years of The Theory of Island Biogeography. <i>Journal of Biogeography</i> , <b>2017</b> , 44, 963-983	4.1	101
31	Naturalization of ornamental plant species in public green spaces and private gardens. <i>Biological Invasions</i> , <b>2017</b> , 19, 3613-3627	2.7	27
30	Naturalization of European plants on other continents: The role of donor habitats. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 13756-13761	11.5	42
29	Dissecting global turnover in vascular plants. <i>Global Ecology and Biogeography</i> , <b>2017</b> , 26, 228-242	6.1	50
28	The general dynamic model of island biogeography revisited at the level of major flowering plant families. <i>Journal of Biogeography</i> , <b>2017</b> , 44, 1029-1040	4.1	12
27	Climate change will increase the naturalization risk from garden plants in Europe. <i>Global Ecology and Biogeography</i> , <b>2017</b> , 26, 43-53	6.1	63
26	Naturalized alien flora of the world. <i>Preslia</i> , <b>2017</b> , 89, 203-274	3.9	230
25	Plants capable of selfing are more likely to become naturalized. <i>Nature Communications</i> , <b>2016</b> , 7, 13313	17.4	57

24	Multidimensional biases, gaps and uncertainties in global plant occurrence information. <i>Ecology Letters</i> , <b>2016</b> , 19, 992-1006	10	226
23	Late Quaternary climate change shapes island biodiversity. <i>Nature</i> , <b>2016</b> , 532, 99-102	50.4	147
22	Species richness and biomass explain spatial turnover in ecosystem functioning across tropical and temperate ecosystems. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2016</b> , 371,	5.8	49
21	Delineating probabilistic species pools in ecology and biogeography. <i>Global Ecology and Biogeography</i> , <b>2016</b> , 25, 489-501	6.1	47
20	Global patterns and drivers of phylogenetic structure in island floras. <i>Scientific Reports</i> , <b>2015</b> , 5, 12213	4.9	68
19	Global exchange and accumulation of non-native plants. <i>Nature</i> , <b>2015</b> , 525, 100-3	50.4	508
18	Island floras are not necessarily more species poor than continental ones. <i>Journal of Biogeography</i> , <b>2015</b> , 42, 8-10	4.1	12
17	Differential effects of environmental heterogeneity on global mammal species richness. <i>Global Ecology and Biogeography</i> , <b>2015</b> , 24, 1072-1083	6.1	31
16	The macroecology of island floras. <i>Frontiers of Biogeography</i> , <b>2015</b> , 7,	2.9	2
15	Differences in species-area relationships among the major lineages of land plants: a macroecological perspective. <i>Global Ecology and Biogeography</i> , <b>2014</b> , 23, 1275-1283	6.1	38
14	Biogeographic, climatic and spatial drivers differentially affect $\beta$ and $\alpha$ diversities on oceanic archipelagos. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2014</b> , 281, 20133246	4.4	41
13	Correction for Weigelt et al., Bioclimatic and physical characterization of the world's islands. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 18400.2-18400	11.5	78
12	Island biogeography from regional to local scales: evidence for a spatially scaled echo pattern of fern diversity in the Southeast Asian archipelago. <i>Journal of Biogeography</i> , <b>2014</b> , 41, 250-260	4.1	27
11	Quantifying island isolation - insights from global patterns of insular plant species richness. <i>Ecography</i> , <b>2013</b> , 36, 417-429	6.5	115
10	Bioclimatic and physical characterization of the world's islands. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 15307-12	11.5	154
9	Factors controlling the abundance of lianas along an altitudinal transect of tropical forests in Ecuador. <i>Forest Ecology and Management</i> , <b>2010</b> , 259, 1399-1405	3.9	33
8	Diversity and vertical distribution of epiphytic macrolichens in lowland rain forest and lowland cloud forest of French Guiana. <i>Ecological Indicators</i> , <b>2010</b> , 10, 1111-1118	5.8	39
7	Plant longevity, drought and island isolation favoured rampant evolutionary transitions towards insular woodiness		1

6	Biodiversity Data Integration: The significance of data resolution and domain. <i>Biodiversity Information Science and Standards</i> ,3,	2
5	Effects of land-use change and related pressures on alien and native subsets of island communities	1
4	Global Root Traits (GRoot) Database	2
3	Disharmony of the world's island floras	4
2	GIFT – Global Inventory of Floras and Traits for macroecology and biogeography	7
1	Vascular epiphytes contribute disproportionately to global centres of plant diversity	1