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List of Publications by Year
in descending order

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112 papers	8,632 citations	50276 46 h-index	49909 87 g-index
118 all docs	118 docs citations	118 times ranked	9866 citing authors

#	Article	IF	Citations
1	Climatic Niche Shifts Are Rare Among Terrestrial Plant Invaders. Science, 2012, 335, 1344-1348.	12.6	689
2	Unifying niche shift studies: insights from biological invasions. Trends in Ecology and Evolution, 2014, 29, 260-269.	8.7	536
3	Managing the whole landscape: historical, hybrid, and novel ecosystems. Frontiers in Ecology and the Environment, 2014, 12, 557-564.	4.0	378
4	Ain't no mountain high enough: plant invasions reaching new elevations. Frontiers in Ecology and the Environment, 2009, 7, 479-486.	4.0	346
5	Conservation of oceanic island floras: Present and future global challenges. Perspectives in Plant Ecology, Evolution and Systematics, 2010, 12, 107-129.	2.7	288
6	Lags in the response of mountain plant communities to climate change. Global Change Biology, 2018, 24, 563-579.	9.5	279
7	Assembly of nonnative floras along elevational gradients explained by directional ecological filtering. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 656-661.	7.1	257
8	The changing role of ornamental horticulture in alien plant invasions. Biological Reviews, 2018, 93, 1421-1437.	10.4	251
9	A global comparison of plant invasions on oceanic islands. Perspectives in Plant Ecology, Evolution and Systematics, 2010, 12, 145-161.	2.7	250
10	Socioâ€economic impact classification of alien taxa (<scp>SEICAT</scp>). Methods in Ecology and Evolution, 2018, 9, 159-168.	5.2	244
11	Topographyâ€driven isolation, speciation and a global increase of endemism with elevation. Global Ecology and Biogeography, 2016, 25, 1097-1107.	5.8	243
12	Integrative invasion science: model systems, multiâ€site studies, focused metaâ€analysis and invasion syndromes. New Phytologist, 2013, 200, 615-633.	7.3	219
13	Explaining people's perceptions of invasive alien species: A conceptual framework. Journal of Environmental Management, 2019, 229, 10-26.	7.8	184
14	Integrating ecosystem services and disservices: insights from plant invasions. Ecosystem Services, 2017, 23, 94-107.	5.4	179
15	Selecting predictors to maximize the transferability of species distribution models: lessons from crossâ€continental plant invasions. Global Ecology and Biogeography, 2017, 26, 275-287.	5.8	175
16	Plant invasions into mountains and alpine ecosystems: current status and future challenges. Alpine Botany, 2016, 126, 89-103.	2.4	166
17	Risk assessment, eradication, and biological control: global efforts to limit Australian acacia invasions. Diversity and Distributions, 2011, 17, 1030-1046.	4.1	165
18	Biological Flora of the British Isles: Ambrosia artemisiifolia. Journal of Ecology, 2015, 103, 1069-1098.	4.0	164

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19	A conceptual map of invasion biology: Integrating hypotheses into a consensus network. Global Ecology and Biogeography, 2020, 29, 978-991.	5.8	150
20	Non-native and native organisms moving into high elevation and high latitude ecosystems in an era of climate change: new challenges for ecology and conservation. Biological Invasions, 2016, 18, 345-353.	2.4	127
21	Processes at multiple scales affect richness and similarity of nonâ€native plant species in mountains around the world. Global Ecology and Biogeography, 2012, 21, 236-246.	5.8	120
22	The progress of interdisciplinarity in invasion science. Ambio, 2017, 46, 428-442.	5.5	120
23	Island Biodiversity in the Anthropocene. Annual Review of Environment and Resources, 2019, 44, 31-60.	13.4	110
24	Integrating invasive species policies across ornamental horticulture supply chains to prevent plant invasions. Journal of Applied Ecology, 2018, 55, 92-98.	4.0	108
25	Will climate change increase the risk of plant invasions into mountains?. Ecological Applications, 2016, 26, 530-544.	3.8	103
26	Alien flora of mountains: global comparisons for the development of local preventive measures against plant invasions. Diversity and Distributions, 2011, 17, 103-111.	4.1	102
27	Reconciling conflicting perspectives for biodiversity conservation in the Anthropocene. Frontiers in Ecology and the Environment, 2014, 12, 131-137.	4.0	99
28	Biological Flora of the British Isles: Phragmites australis. Journal of Ecology, 2017, 105, 1123-1162.	4.0	96
29	Alien plants as mediators of ecosystem services and disservices in urban systems: a global review. Biological Invasions, 2017, 19, 3571-3588.	2.4	83
30	Invasion syndromes: a systematic approach for predicting biological invasions and facilitating effective management. Biological Invasions, 2020, 22, 1801-1820.	2.4	83
31	Eâ€commerce trade in invasive plants. Conservation Biology, 2015, 29, 1658-1665.	4.7	82
32	Plant invasions in the Anthropocene. Science, 2017, 358, 724-725.	12.6	79
33	The role of bioclimatic origin, residence time and habitat context in shaping non-native plant distributions along an altitudinal gradient. Biological Invasions, 2010, 12, 4003-4018.	2.4	75
34	Plant Invasions in Mountains: Global Lessons for Better Management. Mountain Research and Development, 2011, 31, 380-387.	1.0	72
35	Global Island Monitoring Scheme (GIMS): a proposal for the long-term coordinated survey and monitoring of native island forest biota. Biodiversity and Conservation, 2018, 27, 2567-2586.	2.6	72
36	Understanding misunderstandings in invasion science: why experts donâ€™t agree on common concepts andÂriskÂassessments. NeoBiota, 0, 20, 1-30.	1.0	70

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37	Wider spectrum of fruit traits in invasive than native floras may increase the vulnerability of oceanic islands to plant invasions. Oikos, 2009, 118, 1327-1334.	2.7	68
38	Mountain roads and nonâ€native species modify elevational patterns of plant diversity. Global Ecology and Biogeography, 2018, 27, 667-678.	5.8	64
39	Mountain roads shift native and nonâ€native plant species' ranges. Ecography, 2017, 40, 353-364.	4.5	63
40	Quantifying plasticity in vessel grouping â€“ added value from the image analysis tool ROXAS. IAWA Journal, 2013, 34, 433-445.	2.7	62
41	Strong below-ground competition shapes tree regeneration in invasiveCinnamomum verumforests. Journal of Ecology, 2007, 95, 273-282.	4.0	61
42	Running off the road: roadside non-native plants invading mountain vegetation. Biological Invasions, 2018, 20, 3461-3473.	2.4	59
43	Responsible Use of Language in Scientific Writing and Science Communication. BioScience, 2014, 64, 719-724.	4.9	58
44	Enabling Effective Problem-oriented Research for Sustainable Development. Ecology and Society, 2012, 17, .	2.3	55
45	Towards an Integrative, Eco-Evolutionary Understanding of Ecological Novelty: Studying and Communicating Interlinked Effects of Global Change. BioScience, 2019, 69, 888-899.	4.9	55
46	Transdisciplinarity in EcoHealth: Status and Future Prospects. EcoHealth, 2008, 5, 1-3.	2.0	53
47	Influence of light and nutrient conditions on seedling growth of native and invasive trees in the Seychelles. Biological Invasions, 2009, 11, 1941-1954.	2.4	53
48	Managing successional trajectories in alien-dominated, novel ecosystems by facilitating seedling regeneration: A case study. Biological Conservation, 2010, 143, 1792-1802.	4.1	47
49	What is the importance of islands to environmental conservation?. Environmental Conservation, 2017, 44, 311-322.	1.3	47
50	Invasive trees show only weak potential to impact nutrient dynamics in phosphorusâ€poor tropical forests in the Seychelles. Functional Ecology, 2008, 22, 359-366.	3.6	45
51	Towards a Publication Culture in Transdisciplinary Research. Gaia, 2007, 16, 22-26.	0.7	45
52	Transdisciplinary research is needed to predict plant invasions in an era of global change. Trends in Ecology and Evolution, 2010, 25, 619-620.	8.7	43
53	Influence of Drought and Shade on Seedling Growth of Native and Invasive Trees in the Seychelles. Biotropica, 2008, 40, 543-549.	1.6	42
54	Range limits and population dynamics of non-native plants spreading along elevation gradients. Perspectives in Plant Ecology, Evolution and Systematics, 2016, 20, 46-55.	2.7	40

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55	Fame, glory and neglect in meta-analyses. Trends in Ecology and Evolution, 2011, 26, 493-494.	8.7	36
56	Costâ€effective monitoring of biological invasions under global change: a modelâ€based framework. Journal of Applied Ecology, 2016, 53, 1317-1329.	4.0	35
57	How to Achieve Effectiveness in Problem-Oriented Landscape Research: The Example of Research on Biotic Invasions. Living Reviews in Landscape Research, 0, 2, .	0.0	35
58	Island biology: looking towards the future. Biology Letters, 2014, 10, 20140719.	2.3	34
59	Introduced weed richness across altitudinal gradients in Hawaiâ€™i: humps, humans and water-energy dynamics. Biological Invasions, 2010, 12, 4019-4031.	2.4	33
60	Plant Invasions into Mountain Protected Areas: Assessment, Prevention and Control at Multiple Spatial Scales. , 2013, , 89-113.		31
61	Are Non-Native Plants Perceived to Be More Risky? Factors Influencing Horticulturists' Risk Perceptions of Ornamental Plant Species. PLoS ONE, 2014, 9, e102121.	2.5	30
62	Non-native Species and the Aesthetics of Nature. , 2017, , 311-324.		30
63	Using the â€œregime shiftâ€•concept in addressing socialâ€“ecological change. Geographical Research, 2018, 56, 26-41.	1.8	29
64	Genetically based differentiation in growth of multiple non-native plant species along a steep environmental gradient. Oecologia, 2012, 170, 89-99.	2.0	28
65	Native faunal communities depend on habitat from non-native plants in novel but not in natural ecosystems. Biodiversity and Conservation, 2016, 25, 503-523.	2.6	26
66	â€œThe upper limits of vegetation on Mauna Loa, Hawaiiâ€• a 50th-anniversary reassessment. Ecology, 2011, 92, 518-525.	3.2	24
67	Leaf litter of a dominant cushion plant shifts nitrogen mineralization to immobilization at high but not low temperature in an alpine meadow. Plant and Soil, 2014, 383, 415-426.	3.7	24
68	Scientific and Normative Foundations for the Valuation of Alien-Species Impacts: Thirteen Core Principles. BioScience, 0, , biw160.	4.9	24
69	Human impact, climate and dispersal strategies determine plant invasion on islands. Journal of Biogeography, 2021, 48, 1889-1903.	3.0	23
70	Response to Comment on â€œClimatic Niche Shifts Are Rare Among Terrestrial Plant Invadersâ€• Science, 2012, 338, 193-193.	12.6	21
71	Simplification of shade tree diversity reduces nutrient cycling resilience in coffee agroforestry. Journal of Applied Ecology, 2019, 56, 119-131.	4.0	21
72	Elevational distribution limits of non-native species: combining observational and experimental evidence. Plant Ecology and Diversity, 2011, 4, 363-371.	2.4	20

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73	Managing invasive species amidst high uncertainty and novelty. Trends in Ecology and Evolution, 2013, 28, 255-256.	8.7	20
74	Case Study: Management of Novel Ecosystems in the Seychelles. , 2013, , 228-238.		20
75	Performance of the herb Verbascum thapsus along environmental gradients in its native and nonâ€native ranges. Journal of Biogeography, 2015, 42, 132-143.	3.0	20
76	MIREN: A New Research Network Concerned With Plant Invasion into Mountain Areas. Mountain Research and Development, 2006, 26, 80-81.	1.0	19
77	Reduced risk for positive soil-feedback on seedling regeneration by invasive trees on a very nutrient-poor soil in Seychelles. Biological Invasions, 2010, 12, 97-102.	2.4	19
78	Threats to Paradise? Plant Invasions in Protected Areas of the Western Indian Ocean Islands. , 2013, , 423-447.		19
79	Moving up and over: redistribution of plants in alpine, Arctic, and Antarctic ecosystems under global change. Arctic, Antarctic, and Alpine Research, 2020, 52, 651-665.	1.1	19
80	Linking landscape futures with biodiversity conservation strategies in northwest Iberia â€" A simulation study combining surrogates with a spatio-temporal modelling approach. Ecological Informatics, 2016, 33, 85-100.	5.2	18
81	A Habitat-Classification Framework and Typology for Understanding, Valuing, and Managing Invasive Species Impacts. , 2009, , 77-101.		17
82	Different environmental drivers of alien tree invasion affect different life-stages and operate at different spatial scales. Forest Ecology and Management, 2019, 433, 263-275.	3.2	16
83	The 50 Most Important Questions Relating to the Maintenance and Restoration of an Ecological Continuum in the European Alps. PLoS ONE, 2013, 8, e53139.	2.5	15
84	The Mountain Invasion Research Network (MIREN). Linking Local and Global Scales for Addressing an Ecological Consequence of Global Change. Gaia, 2014, 23, 263-265.	0.7	15
85	A new golden era in island biogeography. Frontiers of Biogeography, 2015, 7, .	1.8	15
86	Comparative ecological research on oceanic islands. Perspectives in Plant Ecology, Evolution and Systematics, 2010, 12, 81-82.	2.7	14
87	Global and regional nested patterns of nonâ€native invasive floras on tropical islands. Journal of Biogeography, 2014, 41, 823-832.	3.0	14
88	Discovering the wild side of urban plants through public engagement. Plants People Planet, 2021, 3, 389-401.	3.3	14
89	Integrative Ecological Research: Case-Specific Validation of Ecological Knowledge for Environmental Problem Solving. Gaia, 2006, 15, 115-120.	0.7	13
90	Variation of biomass and morphology of the cushion plant <scp>Androsace tapete</scp> along an elevational gradient in the <scp>T</scp>ibetan <scp>P</scp>lateau. Plant Species Biology, 2014, 29, E64.	1.0	12

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91	Introduction to the Special Issue: Advances in island plant biology since Sherwin Carlquist'sIsland Biology. AoB PLANTS, 2016, 8, plv148.	2.3	12
92	Ecological Novelty: Towards an Interdisciplinary Understanding of Ecological Change in the Anthropocene. , 2015, , 19-37.		11
93	Think globally, measure locally: The MIREN standardized protocol for monitoring plant species distributions along elevation gradients. Ecology and Evolution, 2022, 12, e8590.	1.9	11
94	Developing the Environmental Humanities: A Swiss Perspective. Gaia, 2014, 23, 67-69.	0.7	9
95	Horticultural plant use as a soâ€far neglected pillar of ex situ conservation. Conservation Letters, 0, , e12825.	5.7	7
96	Applying the Environmental Humanities. Gaia, 2018, 27, 254-256.	0.7	6
97	Plant sciences for the Anthropocene: What can we learn from research in urban areas?. Plants People Planet, 2020, 2, 286-289.	3.3	6
98	Seeing the Environment through the Humanities: A New Window on Grand Societal Challenges. Gaia, 2015, 24, 134-136.	0.7	5
99	Moving Toward Global Strategies for Managing Invasive Alien Species. , 2022, , 331-360.		4
100	Introductionâ€"Losing the High Ground: Rapid Transformation of Tropical Island Alpine and Subalpine Environments. Arctic, Antarctic, and Alpine Research, 2014, 46, 705-708.	1.1	3
101	Kommunikationskompetenz â€“ Eine Bedingung fÃ¼r erfolgreichen Wissensaustausch. Gaia, 2009, 18, 264-266.	0.7	2
102	Wissensaustausch zwischen Forschung und Praxis erfolgreich gestalten. Gaia, 2015, 24, 278-280.	0.7	2
103	Alien Plant Species: Environmental Risks in Agricultural and Agro-Forest Landscapes Under Climate Change. Climate Change Management, 2019, , 215-234.	0.8	2
104	Urban Agriculture: Passing Fad or New Prospects for Agriculture and Cities?. Gaia, 2016, 25, 128-130.	0.7	2
105	Time for a biodiversity turn in sustainability science. Gaia, 2020, 29, 272-274.	0.7	2
106	Global networks: a reply to Khurooet al.. Frontiers in Ecology and the Environment, 2009, 7, 518-518.	4.0	1
107	Upscaling research and teaching on the Sustainable Development Goals in the arts, humanities, and social sciences. Gaia, 2022, 31, 57-59.	0.7	1
108	No green deal without a nature-based economy. Gaia, 2021, 30, 281-283.	0.7	1

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109	Engagement fÃ¼r inter- und transdisziplinÃre Forschung zur nachhaltigen EntwicklungCommitment to Inter- and Transdisciplinary Research for Sustainable Development. Gaia, 2013, 22, 142-144.	0.7	0
110	Eine groÃŸe Transformation der Schweiz: Auf BewÃhrtes setzen und mit Neuem experimentieren. Gaia, 2016, 25, 64-66.	0.7	0
111	Endemic macrophyte is more plastic than two cosmopolitan species in fluctuating water levels and nutrient-enriched conditions. Transactions of the Royal Society of South Australia, 2021, 145, 25-44.	0.4	0
112	Thirty years of GAIA: a constant in a fast-changing world. Gaia, 2022, 31, 4-5.	0.7	0