Mark van Kleunen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3765528/publications.pdf

Version: 2024-02-01

258	22,245	14655 66	11939 134
papers	citations	h-index	g-index

283	283	283	18469
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Plant phenotypic plasticity in a changing climate. Trends in Plant Science, 2010, 15, 684-692.	8.8	1,571
2	No saturation in the accumulation of alien species worldwide. Nature Communications, 2017, 8, 14435.	12.8	1,543
3	A metaâ€analysis of trait differences between invasive and nonâ€invasive plant species. Ecology Letters, 2010, 13, 235-245.	6.4	1,442
4	TRY plant trait database â€“ enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188.	9.5	1,038
5	Scientists' warning on invasive alien species. Biological Reviews, 2020, 95, 1511-1534.	10.4	928
6	The effects of phenotypic plasticity and local adaptation on forecasts of species range shifts under climate change. Ecology Letters, 2014, 17, 1351-1364.	6.4	802
7	Global exchange and accumulation of non-native plants. Nature, 2015, 525, 100-103.	27.8	746
8	Constraints on the evolution of adaptive phenotypic plasticity in plants. New Phytologist, 2005, 166, 49-60.	7.3	569
9	Global rise in emerging alien species results from increased accessibility of new source pools. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E2264-E2273.	7.1	416
10	Are invaders different? A conceptual framework of comparative approaches for assessing determinants of invasiveness. Ecology Letters, 2010, 13, 947-958.	6.4	383
11	Naturalized alien flora of the world. Preslia, 2017, 89, 203-274.	2.8	350
12	Projecting the continental accumulation of alien species through to 2050. Global Change Biology, 2021, 27, 970-982.	9.5	327
13	Global hotspots and correlates of alien species richness across taxonomic groups. Nature Ecology and Evolution, 2017, 1, .	7.8	315
14	Global trade will accelerate plant invasions in emerging economies under climate change. Global Change Biology, 2015, 21, 4128-4140.	9.5	301
15	Macrophysiology: A Conceptual Reunification. American Naturalist, 2009, 174, 595-612.	2.1	298
16	The changing role of ornamental horticulture in alien plant invasions. Biological Reviews, 2018, 93, 1421-1437.	10.4	251
17	Do invasive alien plants benefit more from global environmental change than native plants?. Global Change Biology, 2017, 23, 3363-3370.	9.5	226
18	United we stand, divided we fall: a meta-analysis of experiments on clonal integration and its relationship to invasiveness. Oecologia, 2013, 171, 317-327.	2.0	219

#	Article	IF	Citations
19	Tradeoffs associated with constitutive and induced plant resistance against herbivory. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 5685-5689.	7.1	208
20	The Global Naturalized Alien Flora (Glo<scp>NAF</scp>) database. Ecology, 2019, 100, e02542.	3.2	189
21	ADAPTIVE EVOLUTION OF PLASTIC FORAGING RESPONSES IN A CLONAL PLANT. Ecology, 2001, 82, 3309-3319.	3.2	168
22	Invasive plant species are locally adapted just as frequently and at least as strongly as native plant species. Journal of Ecology, 2016, 104, 957-968.	4.0	166
23	Characteristics of successful alien plants. Molecular Ecology, 2015, 24, 1954-1968.	3.9	163
24	Phylogenetically Independent Associations between Autonomous Selfâ€Fertilization and Plant Invasiveness. American Naturalist, 2008, 171, 195-201.	2.1	161
25	RAPD variation among and within small and large populations of the rare clonal plant Ranunculus reptans (Ranunculaceae). American Journal of Botany, 2000, 87, 1128-1137.	1.7	156
26	Which Taxa Are Alien? Criteria, Applications, and Uncertainties. BioScience, 2018, 68, 496-509.	4.9	153
27	Invasive alien plants benefit more from clonal integration in heterogeneous environments than natives. New Phytologist, 2017, 216, 1072-1078.	7.3	152
28	A conceptual map of invasion biology: Integrating hypotheses into a consensus network. Global Ecology and Biogeography, 2020, 29, 978-991.	5.8	150
29	Drivers of future alien species impacts: An expertâ€based assessment. Global Change Biology, 2020, 26, 4880-4893.	9.5	145
30	The Ecology and Evolution of Alien Plants. Annual Review of Ecology, Evolution, and Systematics, 2018, 49, 25-47.	8.3	138
31	The role of enemy release, tolerance and resistance in plant invasions: linking damage to performance. Ecology Letters, 2010, 13, 937-946.	6.4	134
32	Effect of allelopathy on plant performance: a metaâ€analysis. Ecology Letters, 2021, 24, 348-362.	6.4	133
33	A multiâ€species experiment in their native range indicates preâ€adaptation of invasive alien plant species. New Phytologist, 2010, 185, 1087-1099.	7.3	130
34	Alien plant species with a wider global distribution are better able to capitalize on increased resource availability. New Phytologist, 2012, 194, 859-867.	7.3	127
35	Remoteness promotes biological invasions on islands worldwide. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9270-9275.	7.1	114
36	A Conceptual Framework for Range-Expanding Species that Track Human-Induced Environmental Change. BioScience, 2019, 69, 908-919.	4.9	113

#	Article	IF	Citations
37	Effects of intraspecific competition on size variation and reproductive allocation in a clonal plant. Oikos, 2001, 94, 515-524.	2.7	110
38	NO EVIDENCE FOR AN EVOLUTIONARY INCREASED COMPETITIVE ABILITY IN AN INVASIVE PLANT. Ecology, 2003, 84, 2816-2823.	3.2	110
39	The snow and the willows: earlier spring snowmelt reduces performance in the lowâ€lying alpine shrub Salix herbacea. Journal of Ecology, 2016, 104, 1041-1050.	4.0	110
40	Integrating invasive species policies across ornamental horticulture supply chains to prevent plant invasions. Journal of Applied Ecology, 2018, 55, 92-98.	4.0	108
41	Common and rare plant species respond differently to fertilisation and competition, whether they are alien or native. Ecology Letters, 2012, 15, 873-880.	6.4	102
42	Small-scale patterns in snowmelt timing affect gene flow and the distribution of genetic diversity in the alpine dwarf shrub Salix herbacea. Heredity, 2014, 113, 233-239.	2.6	101
43	The Response of the Alpine Dwarf Shrub Salix herbacea to Altered Snowmelt Timing: Lessons from a Multi-Site Transplant Experiment. PLoS ONE, 2015, 10, e0122395.	2.5	101
44	Does greater specific leaf area plasticity help plants to maintain a high performance when shaded?. Annals of Botany, 2016, 118, 1329-1336.	2.9	100
45	Preadapted for invasiveness: do species traits or their plastic response to shading differ between invasive and non-invasive plant species in their native range?. Journal of Biogeography, 2011, 38, 1294-1304.	3.0	98
46	Evolutionary potential in the Alpine: trait heritabilities and performance variation of the dwarf willow Salix herbacea from different elevations and microhabitats. Ecology and Evolution, 2016, 6, 3940-3952.	1.9	98
47	Local adaptation of the clonal plant Ranunculus reptans to flooding along a small-scale gradient. Journal of Ecology, 2004, 92, 696-706.	4.0	95
48	What role do plantâ€“soil interactions play in the habitat suitability and potential range expansion of the alpine dwarf shrub Salix herbacea?. Basic and Applied Ecology, 2014, 15, 305-315.	2.7	95
49	On the evolution of clonal plant life histories. Evolutionary Ecology, 2001, 15, 565-582.	1.2	93
50	Determinants of plant establishment success in a multispecies introduction experiment with native and alien species. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 12727-12732.	7.1	93
51	Effects of Selfâ€Compatibility on the Distribution Range of Invasive European Plants in North America. Conservation Biology, 2007, 21, 1537-1544.	4.7	92
52	Widespread vulnerability of flowering plant seed production to pollinator declines. Science Advances, 2021, 7, eabd3524.	10.3	92
53	The maximum relative growth rate of common UK plant species is positively associated with their global invasiveness. Global Ecology and Biogeography, 2011, 20, 299-306.	5.8	91
54	Plants capable of selfing are more likely to become naturalized. Nature Communications, 2016, 7, 13313.	12.8	91

#	Article	IF	Citations
55	Introduction history and species characteristics partly explain naturalization success of North American woody species in Europe. Journal of Ecology, 2009, 97, 230-238.	4.0	90
56	A test of bakerâ€™s law: breeding systems of invasive species of Asteraceae in China. Biological Invasions, 2011, 13, 571-580.	2.4	90
57	Climate change will increase the naturalization risk from garden plants in Europe. Global Ecology and Biogeography, 2017, 26, 43-53.	5.8	87
58	A Small Number of Low-abundance Bacteria Dominate Plant Species-specific Responses during Rhizosphere Colonization. Frontiers in Microbiology, 2017, 8, 975.	3.5	87
59	Genetic rescue persists beyond first-generation outbreeding in small populations of a rare plant. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 2357-2364.	2.6	84
60	Release from foliar and floral fungal pathogen species does not explain the geographic spread of naturalized North American plants in Europe. Journal of Ecology, 2009, 97, 385-392.	4.0	83
61	The more the merrier: Multi-species experiments in ecology. Basic and Applied Ecology, 2014, 15, 1-9.	2.7	83
62	Clonal integration in Ranunculus reptans: by-product or adaptation?. Journal of Evolutionary Biology, 2000, 13, 237-248.	1.7	82
63	Increased Phenotypic Plasticity to Climate May Have Boosted the Invasion Success of Polyploid Centaurea stoebe. PLoS ONE, 2012, 7, e50284.	2.5	79
64	Economic use of plants is key to their naturalization success. Nature Communications, 2020, 11, 3201.	12.8	79
65	Responses of common and rare aliens and natives to nutrient availability and fluctuations. Journal of Ecology, 2017, 105, 1111-1122.	4.0	78
66	Invasive clonal plant species have a greater root-foraging plasticity than non-invasive ones. Oecologia, 2014, 174, 1055-1064.	2.0	76
67	Microbial invasions in terrestrial ecosystems. Nature Reviews Microbiology, 2019, 17, 621-631.	28.6	74
68	Mycorrhizal fungi influence global plant biogeography. Nature Ecology and Evolution, 2019, 3, 424-429.	7.8	74
69	Plantâ€“Soil Feedbacks and Temporal Dynamics of Plant Diversityâ€“Productivity Relationships. Trends in Ecology and Evolution, 2021, 36, 651-661.	8.7	74
70	Central European plant species from more productive habitats are more invasive at a global scale. Global Ecology and Biogeography, 2013, 22, 64-72.	5.8	73
71	Drivers of the relative richness of naturalized and invasive plant species on Earth. AoB PLANTS, 2019, 11, plz051.	2.3	72
72	EXPERIMENTAL LIFE-HISTORY EVOLUTION: SELECTION ON THE ALLOCATION TO SEXUAL REPRODUCTION AND ITS PLASTICITY IN A CLONAL PLANT. Evolution; International Journal of Organic Evolution, 2002, 56, 2168-2177.	2.3	71

#	Article	IF	Citations
73	Introduction bias: Cultivated alien plant species germinate faster and more abundantly than native species in Switzerland. Basic and Applied Ecology, 2011, 12, 244-250.	2.7	70
74	The role of adaptive strategies in plant naturalization. Ecology Letters, 2018, 21, 1380-1389.	6.4	69
75	Contrasting effects of specialist and generalist herbivores on resistance evolution in invasive plants. Ecology, 2018, 99, 866-875.	3.2	67
76	A microplastic used as infill material in artificial sport turfs reduces plant growth. Plants People Planet, 2020, 2, 157-166.	3.3	67
77	Common alien plants are more competitive than rare natives but not than common natives. Ecology Letters, 2019, 22, 1378-1386.	6.4	66
78	Effects of habitat fragmentation on the fitness of two common wetland species, Carex davalliana and Succisa pratensis. Oecologia, 2003, 134, 350-359.	2.0	65
79	COSTS OF PLASTICITY IN FORAGING CHARACTERISTICS OF THE CLONAL PLANT RANUNCULUS REPTANS. Evolution; International Journal of Organic Evolution, 2000, 54, 1947-1955.	2.3	64
80	Establishment success of 25 rare wetland species introduced into restored habitats is best predicted by ecological distance to source habitats. Biological Conservation, 2011, 144, 602-609.	4.1	64
81	Genetic Allee effects on performance, plasticity and developmental stability in a clonal plant. Ecology Letters, 2000, 3, 530-539.	6.4	64
82	Quantifying the Effects of Reciprocal Assimilate and Water Translocation in a Clonal Plant by the Use of Steam-Girdling. Oikos, 1999, 85, 135.	2.7	62
83	South African Iridaceae with rapid and profuse seedling emergence are more likely to become naturalized in other regions. Journal of Ecology, 2007, 95, 674-681.	4.0	62
84	The Role of Beetle Marks and Flower Colour on Visitation by Monkey Beetles (Hopliini) in the Greater Cape Floral Region, South Africa. Annals of Botany, 2007, 100, 1483-1489.	2.9	60
85	Invasion biology and conservation biology: time to join forces to explore the links between species traits and extinction risk and invasiveness. Progress in Physical Geography, 2007, 31, 447-450.	3.2	60
86	Adaptive genetic differentiation in life-history traits between populations of Mimulus guttatus with annual and perennial life-cycles. Evolutionary Ecology, 2007, 21, 185-199.	1.2	60
87	Adaptive rather than non-adaptive evolution of Mimulus guttatus in its invasive range. Basic and Applied Ecology, 2008, 9, 213-223.	2.7	60
88	Introduction bias affects relationships between the characteristics of ornamental alien plants and their naturalization success. Global Ecology and Biogeography, 2016, 25, 1500-1509.	5.8	60
89	Naturalization of European plants on other continents: The role of donor habitats. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13756-13761.	7.1	57
90	COSTS OF PLASTICITY IN FORAGING CHARACTERISTICS OF THE CLONAL PLANT RANUNCULUS REPTANS. Evolution; International Journal of Organic Evolution, 2000, 54, 1947.	2.3	56

#	Article	IF	Citations
91	Predicting evolution of floral traits associated with mating system in a natural plant population. Journal of Evolutionary Biology, 2004, 17, 1389-1399.	1.7	56
92	Research on invasive-plant traits tells us a lot. Trends in Ecology and Evolution, 2011, 26, 317.	8.7	55
93	Invasive alien clonal plants are competitively superior over co-occurring native clonal plants. Perspectives in Plant Ecology, Evolution and Systematics, 2019, 40, 125484.	2.7	55
94	Simulating plant invasion dynamics in mountain ecosystems under global change scenarios. Global Change Biology, 2018, 24, e289-e302.	9.5	54
95	Predicting naturalization of southern African Iridaceae in other regions. Journal of Applied Ecology, 2007, 44, 594-603.	4.0	51
96	Invasive alien plants of Russia: insights from regional inventories. Biological Invasions, 2018, 20, 1931-1943.	2.4	51
97	Functional trait differences and trait plasticity mediate biotic resistance to potential plant invaders. Journal of Ecology, 2018, 106, 1607-1620.	4.0	50
98	Soil-microorganism-mediated invasional meltdown in plants. Nature Ecology and Evolution, 2020, 4, 1612-1621.	7.8	50
99	Latitudinal and longitudinal clines of phenotypic plasticity in the invasive herb Solidago canadensis in China. Oecologia, 2016, 182, 755-764.	2.0	49
100	Make EU trade with Brazil sustainable. Science, 2019, 364, 341-341.	12.6	49
101	Domestic gardens play a dominant role in selecting alien species with adaptive strategies that facilitate naturalization. Global Ecology and Biogeography, 2019, 28, 628-639.	5.8	47
102	Dimensions of invasiveness: Links between local abundance, geographic range size, and habitat breadth in Europeâ€™s alien and native floras. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	47
103	Different genetic clines in response to temperature across the native and introduced ranges of a global plant invader. Journal of Ecology, 2012, 100, 771-781.	4.0	46
104	EXPERIMENTAL LIFE-HISTORY EVOLUTION: SELECTION ON THE ALLOCATION TO SEXUAL REPRODUCTION AND ITS PLASTICITY IN A CLONAL PLANT. Evolution; International Journal of Organic Evolution, 2002, 56, 2168.	2.3	46
105	Does Specialized Pollination Impede Plant Invasions?. International Journal of Plant Sciences, 2010, 171, 382-391.	1.3	45
106	European ornamental garden flora as an invasion debt under climate change. Journal of Applied Ecology, 2018, 55, 2386-2395.	4.0	45
107	Progress in the detection of costs of phenotypic plasticity in plants. New Phytologist, 2007, 176, 727-730.	7.3	44
108	Naturalization of ornamental plant species in public green spaces and private gardens. Biological Invasions, 2017, 19, 3613-3627.	2.4	44

#	Article	IF	Citations
109	Herbaceous plant species invading natural areas tend to have stronger adaptive root foraging than other naturalized species. Frontiers in Plant Science, 2015, 6, 273.	3.6	43
110	Design and Manual to Construct Rainout-Shelters for Climate Change Experiments in Agroecosystems. Frontiers in Environmental Science, 2018, 6, .	3.3	43
111	Naturalized alien flora of the Indian states: biogeographic patterns, taxonomic structure and drivers of species richness. Biological Invasions, 2018, 20, 1625-1638.	2.4	42
112	Towards Unraveling Macroecological Patterns in Rhizosphere Microbiomes. Trends in Plant Science, 2020, 25, 1017-1029.	8.8	42
113	Effects of herbivory simulated by clipping and jasmonic acid on Solidago canadensis. Basic and Applied Ecology, 2004, 5, 173-181.	2.7	41
114	Reproductive assurance through selfâ€fertilization does not vary with population size in the alien invasive plant Datura stramonium. Oikos, 2007, 116, 1400-1412.	2.7	39
115	The global loss of floristic uniqueness. Nature Communications, 2021, 12, 7290.	12.8	39
116	Niche dynamics of alien species do not differ among sexual and apomictic flowering plants. New Phytologist, 2016, 209, 1313-1323.	7.3	38
117	The effects of climate warming and disturbance on the colonization potential of ornamental alien plant species. Journal of Ecology, 2017, 105, 1698-1708.	4.0	38
118	Experimental life-history evolution: selection on growth form and its plasticity in a clonal plant. Journal of Evolutionary Biology, 2003, 17, 331-341.	1.7	37
119	Testing for ecological and genetic Allee effects in the invasive shrub Senna didymobotrya (Fabaceae). American Journal of Botany, 2005, 92, 1124-1130.	1.7	37
120	Plantâ€microbeâ€herbivore interactions in invasive and nonâ€invasive alien plant species. Functional Ecology, 2013, 27, 498-508.	3.6	37
121	Movement, impacts and management of plant distributions in response to climate change: insights from invasions. Oikos, 2013, 122, 1265-1274.	2.7	36
122	Consequences of clonality for sexual fitness: Clonal expansion enhances fitness under spatially restricted dispersal. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8929-8936.	7.1	36
123	Admixture between native and invasive populations may increase invasiveness of Mimulus guttatus. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20151487.	2.6	36
124	Tall-statured grasses: a useful functional group for invasion science. Biological Invasions, 2019, 21, 37-58.	2.4	36
125	Testing the Plant Growth-Defense Hypothesis Belowground: Do Faster-Growing Herbaceous Plant Species Suffer More Negative Effects from Soil Biota than Slower-Growing Ones?. American Naturalist, 2015, 186, 264-271.	2.1	34
126	Increases and fluctuations in nutrient availability do not promote dominance of alien plants in synthetic communities of common natives. Functional Ecology, 2018, 32, 2594-2604.	3.6	33

#	Article	IF	Citations
127	Effects of four generations of densityâ€dependent selection on life history traits and their plasticity in a clonally propagated plant. Journal of Evolutionary Biology, 2003, 16, 474-484.	1.7	32
128	Challenging the view that invasive non-native plants are not a significant threat to the floristic diversity of Great Britain. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2988-9.	7.1	32
129	Introduction history, climatic suitability, native range size, species traits and their interactions explain establishment of Chinese woody species in Europe. Global Ecology and Biogeography, 2016, 25, 1356-1366.	5.8	32
130	Salinity-induced changes in the rhizosphere microbiome improve salt tolerance of Hibiscus hamabo. Plant and Soil, 2019, 443, 525-537.	3.7	31
131	Small reductions in corolla size and pollen: ovule ratio, but no changes in flower shape in selfing populations of the North American Arabidopsis lyrata. Oecologia, 2017, 183, 401-413.	2.0	30
132	Diversity- and density-mediated allelopathic effects of resident plant communities on invasion by an exotic plant. Plant and Soil, 2019, 440, 581-592.	3.7	30
133	Source pools and disharmony of the world's island floras. Ecography, 2021, 44, 44-55.	4.5	30
134	Persistent soil seed banks promote naturalisation and invasiveness in flowering plants. Ecology Letters, 2021, 24, 1655-1667.	6.4	30
135	Pollinators, mates and Allee effects: the importance of selfâ€pollination for fecundity in an invasive lily. Functional Ecology, 2013, 27, 1023-1033.	3.6	29
136	Around the world in 500 years: Interâ€regional spread of alien species over recent centuries. Global Ecology and Biogeography, 2021, 30, 1621-1632.	5.8	29
137	The effects of changes in water and nitrogen availability on alien plant invasion into a stand of a native grassland species. Oecologia, 2018, 188, 441-450.	2.0	28
138	Latitudinal patterns of alien plant invasions. Journal of Biogeography, 2021, 48, 253-262.	3.0	28
139	Enemy damage of exotic plant species is similar to that of natives and increases with productivity. Journal of Ecology, 2013, 101, 388-399.	4.0	27
140	Selection on phenotypic plasticity of morphological traits in response to flooding and competition in the clonal shore plant Ranunculus reptans. Journal of Evolutionary Biology, 2007, 20, 2126-2137.	1.7	26
141	The cobblers stick to their lasts: pollinators prefer native over alien plant species in a multi-species experiment. Biological Invasions, 2013, 15, 2577-2588.	2.4	26
142	Towards a General Understanding of Bacterial Interactions. Trends in Microbiology, 2020, 28, 783-785.	7.7	26
143	Root Foraging Increases Performance of the Clonal Plant Potentilla reptans in Heterogeneous Nutrient Environments. PLoS ONE, 2013, 8, e58602.	2.5	26
144	Allelopathy of a native grassland community as a potential mechanism of resistance against invasion by introduced plants. Biological Invasions, 2016, 18, 3481-3493.	2.4	25

#	Article	IF	Citations
145	Allelopathic and competitive interactions between native and alien plants. Biological Invasions, 2021, 23, 3077-3090.	2.4	25
146	Population responses within a landscape matrix: a macrophysiological approach to understanding climate change impacts. Evolutionary Ecology, 2010, 24, 601-616.	1.2	24
147	Linking Darwinâ€™s naturalisation hypothesis and Eltonâ€™s diversityâ€“invasibility hypothesis in experimental grassland communities. Journal of Ecology, 2019, 107, 794-805.	4.0	24
148	Naturalized and invasive alien flora of Ghana. Biological Invasions, 2019, 21, 669-683.	2.4	24
149	Population genomic and historical analysis suggests a global invasion by bridgehead processes in Mimulus guttatus. Communications Biology, 2021, 4, 327.	4.4	24
150	Genetic Allee effects on performance, plasticity and developmental stability in a clonal plant. Ecology Letters, 2000, 3, 530-539.	6.4	23
151	Non-naturalized alien plants receive fewer flower visits than naturalized and native plants in a Swiss botanical garden. Biological Conservation, 2015, 182, 109-116.	4.1	23
152	Evidence for Elton's diversityâ€“invasibility hypothesis from belowground. Ecology, 2020, 101, e03187.	3.2	23
153	Estimating Heritabilities and Genetic Correlations with Marker-Based Methods: An Experimental Test in Mimulus guttatus. Journal of Heredity, 2005, 96, 368-375.	2.4	22
154	Selection on floral traits through male fertility in a natural plant population. Evolutionary Ecology, 2008, 22, 39-54.	1.2	22
155	Investigating the Invasion Pattern of the Alien Plant Solanum elaeagnifolium Cav. (Silverleaf) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	3.5	22
156	Admixture increases performance of an invasive plant beyond firstâ€generation heterosis. Journal of Ecology, 2018, 106, 1595-1606.	4.0	21
157	Similar factors underlie tree abundance in forests in native and alien ranges. Global Ecology and Biogeography, 2020, 29, 281-294.	5.8	21
158	Biomass responses of widely and lessâ€widely naturalized alien plants to artificial light at night. Journal of Ecology, 2021, 109, 1819-1827.	4.0	21
159	Responses to shading of naturalized and non-naturalized exotic woody species. Annals of Botany, 2014, 114, 981-989.	2.9	20
160	Little evidence for release from herbivores as a driver of plant invasiveness from a multiâ€species herbivoreâ€removal experiment. Oikos, 2014, 123, 1509-1518.	2.7	20
161	Costs of plasticity in foraging characteristics of the clonal plant Ranunculus reptans. Evolution; International Journal of Organic Evolution, 2000, 54, 1947-55.	2.3	20
162	Support for the predictions of the pollinator-mediated stabilizing selection hypothesis. Journal of Plant Ecology, 2008, 1, 173-178.	2.3	19

#	Article	IF	Citations
163	Plant invasiveness is not linked to the capacity of regeneration from small fragments: an experimental test with 39 stoloniferous species. Biological Invasions, 2013, 15, 1367-1376.	2.4	19
164	Will climate change increase hybridization risk between potential plant invaders and their congeners in Europe?. Diversity and Distributions, 2017, 23, 934-943.	4.1	19
165	Allelopathic effects of native and invasive Brassica nigra do not support the novelâ€weapons hypothesis. American Journal of Botany, 2020, 107, 1106-1113.	1.7	19
166	Role of diversification rates and evolutionary history as a driver of plant naturalization success. New Phytologist, 2021, 229, 2998-3008.	7.3	19
167	Phylogenetic and functional mechanisms of direct and indirect interactions among alien and native plants. Journal of Ecology, 2016, 104, 1136-1148.	4.0	18
168	Context-Dependent Parental Effects on Clonal Offspring Performance. Frontiers in Plant Science, 2018, 9, 1824.	3.6	18
169	Commonness and rarity of alien and native plant species â€“ the relative roles of intraspecific competition and plantâ€“soil feedback. Oikos, 2016, 125, 1458-1466.	2.7	17
170	Evolution of increased intraspecific competitive ability following introduction: The importance of relatedness among genotypes. Journal of Ecology, 2019, 107, 387-395.	4.0	17
171	Autofertility and selfâ€compatibility moderately benefit island colonization of plants. Global Ecology and Biogeography, 2019, 28, 341-352.	5.8	17
172	Bacterial Flagella Loss under Starvation. Trends in Microbiology, 2020, 28, 785-788.	7.7	17
173	Facultative mycorrhizal associations promote plant naturalization worldwide. Ecosphere, 2019, 10, e02937.	2.2	16
174	Environmental and socioeconomic correlates of extinction risk in endemic species. Diversity and Distributions, 2022, 28, 53-64.	4.1	16
175	Invasion by Solidago species has limited impacts on soil seed bank communities. Basic and Applied Ecology, 2014, 15, 573-580.	2.7	15
176	Nonlinear effects of phylogenetic distance on earlyâ€stage establishment of experimentally introduced plants in grassland communities. Journal of Ecology, 2019, 107, 781-793.	4.0	15
177	Nitrogen acquisition of Central European herbaceous plants that differ in their global naturalization success. Functional Ecology, 2019, 33, 566-575.	3.6	15
178	Climate change and climate change velocity analysis across Germany. Scientific Reports, 2019, 9, 2196.	3.3	15
179	Belowâ€and aboveground traits explain local abundance, and regional, continental and global occurrence frequencies of grassland plants. Oikos, 2021, 130, 110-120.	2.7	15
180	Drought alters plantâ€soil feedback effects on biomass allocation but not on plant performance. Plant and Soil, 2021, 462, 285-296.	3.7	15

#	Article	IF	Citations
181	Experimental life-history evolution: selection on the allocation to sexual reproduction and its plasticity in a clonal plant. Evolution; International Journal of Organic Evolution, 2002, 56, 2168-77.	2.3	15
182	Experiment meets biogeography: plants of river corridor distribution are not more stress tolerant but benefit less from more benign conditions elsewhere. Journal of Plant Ecology, 2010, 3, 149-155.	2.3	14
183	Effects of native pollinator specialization, selfâ€compatibility and flowering duration of <scp>E</scp>uropean plant species on their invasiveness elsewhere. Journal of Ecology, 2013, 101, 916-923.	4.0	14
184	Nonâ€invasive naturalized alien plants were not more pollenâ€limited than invasive aliens and natives in a common garden. Functional Ecology, 2016, 30, 1511-1520.	3.6	14
185	In the presence of specialist root and shoot herbivory, invasiveâ€range Brassica nigra populations have stronger competitive effects than nativeâ€range populations. Journal of Ecology, 2017, 105, 1679-1686.	4.0	14
186	Relatively weak inbreeding depression in selfing but also in outcrossing populations of North American Arabidopsis lyrata. Journal of Evolutionary Biology, 2017, 30, 1994-2004.	1.7	14
187	Conservation physiology and the quest for a â€˜goodâ€™ Anthropocene. , 2017, 5, cox003.		14
188	Rapid and positive responses of plants to lower precipitation predictability. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20191486.	2.6	14
189	Introduced garden plants are strong competitors of native and alien residents under simulated climate change. Journal of Ecology, 2019, 107, 1328-1342.	4.0	14
190	Introduction history mediates naturalization and invasiveness of cultivated plants. Global Ecology and Biogeography, 2022, 31, 1104-1119.	5.8	14
191	Costs associated with the evolution of selfing in North American populations of Arabidopsis lyrata?. Evolutionary Ecology, 2015, 29, 749-764.	1.2	13
192	Patterns of genetic variation reflect multiple introductions and pre-admixture sources of common ragweed (Ambrosia artemisiifolia) in China. Biological Invasions, 2019, 21, 2191-2209.	2.4	13
193	Testing the shifting defense hypothesis for constitutive and induced resistance and tolerance. Journal of Pest Science, 2020, 93, 355-364.	3.7	13
194	Effects of land-use change and related pressures on alien and native subsets of island communities. PLoS ONE, 2020, 15, e0227169.	2.5	13
195	[CO2]- and density-dependent competition between grassland species. Global Change Biology, 2006, 12, 2175-2186.	9.5	12
196	No evidence for local adaptation and an epigenetic underpinning in native and nonâ€native ruderal plant species in Germany. Ecology and Evolution, 2019, 9, 9412-9426.	1.9	12
197	Contrasting patterns of naturalized plant richness in the Americas: Numbers are higher in the North but expected to rise sharply in the South. Global Ecology and Biogeography, 2019, 28, 779-783.	5.8	12
198	The alien flora of Sudan and South Sudan: taxonomic and biogeographical composition. Biological Invasions, 2021, 23, 2033-2045.	2.4	12

#	Article	IF	Citations
199	Mycorrhizal types influence island biogeography of plants. Communications Biology, 2021, 4, 1128.	4.4	12
200	Characteristics of the naturalized flora of Southern Africa largely reflect the nonâ€•random introduction of alien species for cultivation. Ecography, 2021, 44, 1812-1825.	4.5	12
201	Three generations under low versus high neighborhood density affect the life history of a clonal plant through differential selection and genetic drift. Oikos, 2005, 108, 573-581.	2.7	11
202	Alien and native plant establishment in grassland communities is more strongly affected by disturbance than aboveâ€•and belowâ€ground enemies. Journal of Ecology, 2016, 104, 1233-1242.	4.0	11
203	Key impacts of climate engineering on biodiversity and ecosystems, with priorities for future research. Journal of Integrative Environmental Sciences, 0, , 1-26.	2.5	11
204	The role of fruit heteromorphism in the naturalization of Asteraceae. Annals of Botany, 2019, 123, 1043-1052.	2.9	11
205	The Matthew effect: Common species become more common and rare ones become more rare in response to artificial light at night. Global Change Biology, 2022, 28, 3674-3682.	9.5	11
206	A new perspective on trait differences between native and invasive exotic plants: comment. Ecology, 2015, 96, 1150-1152.	3.2	10
207	Sibling competition does not magnify inbreeding depression in North American Arabidopsis lyrata. Heredity, 2019, 123, 723-732.	2.6	10
208	Unexpected sensitivity of the highly invasive spider Mermessus trilobatus to soil disturbance in grasslands. Biological Invasions, 2021, 23, 1-6.	2.4	10
209	Plant invasion alters latitudinal pattern of plantâ€•defense syndromes. Ecology, 2021, 102, e03511.	3.2	10
210	Proportion of non-native plants in urban parks correlates with climate, socioeconomic factors and plant traits. Urban Forestry and Urban Greening, 2021, 63, 127215.	5.3	10
211	South Africa as a Donor of Naturalised and Invasive Plants to Other Parts of the World. , 2020, , 759-785.		10
212	Alien flora of Oman: invasion status, taxonomic composition, habitats, origin, and pathways of introduction. Biological Invasions, 2022, 24, 955-970.	2.4	10
213	Herbivory may mediate the effects of nutrients on the dominance of alien plants. Functional Ecology, 2022, 36, 1292-1302.	3.6	10
214	Correlations between global and regional measures ofÂinvasiveness vary with region size. NeoBiota, 0, 16, 59-80.	1.0	9
215	Open minded and open access: introducing NeoBiota, a new peer-reviewed journal of biological invasions. NeoBiota, 0, 9, 1-12.	1.0	9
216	ï»¿Leaf trait differences between 97 pairs of invasive and native plants across China: effects of identities of both the invasive and native species. NeoBiota, 0, 71, 1-22.	1.0	9

#	Article	IF	Citations
217	Plant Invasions in Africa. , 2022, , 225-252.		9
218	No consistent legacy effects of invasion by giant goldenrod (Solidago gigantea)viasoil biota on native plant growth. Journal of Plant Ecology, 2016, 9, 320-327.	2.3	8
219	Responses of Rhizospheric Microbial Communities of Native and Alien Plant Species to Cuscuta Parasitism. Microbial Ecology, 2020, 79, 617-630.	2.8	8
220	Anthropogenic and environmental drivers shape diversity of naturalized plants across the Pacific. Diversity and Distributions, 2021, 27, 1120-1133.	4.1	8
221	A parasite indirectly affects nutrient distribution by common mycorrhizal networks between host and neighboring plants. Ecology, 2021, 102, e03339.	3.2	8
222	Climate and socioâ€€economic factors explain differences between observed and expected naturalization patterns of European plants around the world. Global Ecology and Biogeography, 2021, 30, 1514-1531.	5.8	8
223	Adaptive Evolution of Plastic Foraging Responses in a Clonal Plant. Ecology, 2001, 82, 3309.	3.2	8
224	Direct and legacyâ€€mediated drought effects on plant performance are speciesâ€€specific and depend on soil community composition. Oikos, 2022, 2022, .	2.7	8
225	Conservation physiology of plants. , 2014, 2, cou007-cou007.		7
226	The Interaction between Root Herbivory and Competitive Ability of Native and Invasive-Range Populations of Brassica nigra. PLoS ONE, 2015, 10, e0141857.	2.5	7
227	Horticultural plant use as a soâ€€far neglected pillar of ex situ conservation. Conservation Letters, 0, , e12825.	5.7	7
228	Potential alien ranges of European plants will shrink in the future, but less so for already naturalized than for not yet naturalized species. Diversity and Distributions, 2021, 27, 2063-2076.	4.1	7
229	Phylogenetic structure of alien plant species pools from European donor habitats. Global Ecology and Biogeography, 2021, 30, 2354-2367.	5.8	7
230	Vegetation changes over the last centuries in the Lower Lake Constance region reconstructed from sedimentâ€€core environmental DNA. Environmental DNA, 2022, 4, 830-845.	5.8	7
231	Transgenerational effects of land use on offspring performance and growth in Trifolium repens. Oecologia, 2016, 180, 409-420.	2.0	6
232	Oviposition by the Mountain Alcon Blue butterfly increases with host plant flower number and host ant abundance. Basic and Applied Ecology, 2018, 28, 87-96.	2.7	6
233	Phenological shifts and flower visitation of 185 lowland and alpine species in a lowland botanical garden. Alpine Botany, 2018, 128, 23-33.	2.4	6
234	Invasional meltdown mediated by plantâ€“soil feedbacks may depend on community diversity. New Phytologist, 2022, 235, 1589-1598.	7.3	6

#	Article	IF	Citations
235	Direct and plant community mediated effects of management intensity on annual nutrient leaching risk in temperate grasslands. Nutrient Cycling in Agroecosystems, 2022, 123, 83-104.	2.2	6
236	Do floral traits and the selfing capacity of Mimulus guttatus plastically respond to experimental temperature changes?. Oecologia, 2020, 192, 261-272.	2.0	5
237	Distinct Biogeographic Phenomena Require a Specific Terminology: A Reply to Wilson and Sagoff. BioScience, 2020, 70, 112-114.	4.9	5
238	Manipulation of cytosine methylation does not remove latitudinal clines in two invasive goldenrod species in Central Europe. Molecular Ecology, 2021, 30, 222-236.	3.9	5
239	Limited phenological and pollinator-mediated isolation among selfing and outcrossing Arabidopsis lyrata populations. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20202323.	2.6	5
240	EMAPi 2015: Highlighting links between science and management of alien plant invasions. NeoBiota, 0, 30, 1-3.	1.0	5
241	Effects of intrinsic precipitationâ€predictability on root traits, allocation strategies and the selective regimes acting on them. Oikos, 2022, 2022, .	2.7	5
242	Soil conditions drive belowâ€ground trait space in temperate agricultural grasslands. Journal of Ecology, 2022, 110, 1189-1200.	4.0	5
243	Soil heterogeneity tends to promote the growth of naturalized aliens when competing with native plant communities. Journal of Ecology, 2022, 110, 1161-1173.	4.0	5
244	Development of Pathways of Global Plant Invasions in Space and Time. , 2022, , 53-69.		5
245	A shift towards the annual habit in selfing Arabidopsis lyrata. Biology Letters, 2020, 16, 20200402.	2.3	4
246	ï»¿Competitive effects of plant invaders on and their responses to native species assemblages change over time. NeoBiota, 0, 73, 19-37.	1.0	4
247	Patterns of pollen dispersal and mating in a population of the clonal plant Sagittaria latifolia. Journal of Ecology, 2020, 108, 1941-1955.	4.0	3
248	Declines in occurrence of plants characteristic for a nutrientâ€poor meadow habitat are partly explained by their responses to nutrient addition and competition. Ecology and Evolution, 2021, 11, 4058-4070.	1.9	3
249	Diversity of resident plant communities could weaken their allelopathic resistance against alien and native invaders. Biological Invasions, 0, , 1.	2.4	3
250	European Plant Invasions. , 2022, , 151-165.		3
251	Effects of climate change and horticultural use on the spread of naturalized alien garden plants in Europe. Ecography, 2019, 42, 1548-1557.	4.5	2
252	Drought Effects on Nitrogen Provisioning in Different Agricultural Systems: Insights Gained and Lessons Learned from a Field Experiment. Nitrogen, 2021, 2, 1-17.	1.3	2

#	Article	IF	Citations
253	Traces of Genetic but Not Epigenetic Adaptation in the Invasive Goldenrod Solidago canadensis Despite the Absence of Population Structure. Frontiers in Ecology and Evolution, 2022, 10, .	2.2	2
254	Reciprocal heterospecific pollen interference among alien and native species. Perspectives in Plant Ecology, Evolution and Systematics, 2021, 50, 125610.	2.7	1
255	On the evolution of clonal plant life histories. , 2002, , 343-360.		1
256	Open minded and open access: introducing NeoBiota, a new peer-reviewed journal of biological invasions. NeoBiota, 0, 9, 1-12.	1.0	1
257	Reproductive assurance through self-fertilization does not vary with population size in the alien invasive plant Datura stramonium. Oikos, 2007, 116, 1400-1412.	2.7	1
258	Introducing the Combined Atlas Framework for largeâ€scale webâ€based data visualization â€“ The GloNAF Atlas of Plant Invasion. Methods in Ecology and Evolution, 0, , .	5.2	0