Marcelo A Aizen

List of Publications by Year
in descending order

149 papers	18,928 citations	23567 58 h-index	13379 130 g-index
155 all docs	155 docs citations	155 times ranked	13147 citing authors

#	Article	IF	Citations
1	Behavioural responses by a bumble bee to competition with a nicheâ€constructing congener. Journal of Animal Ecology, 2022, 91, 580-592.	2.8	6
2	Does climate change influence the current and future projected distribution of an endangered species? The case of the southernmost bumblebee in the world. Journal of Insect Conservation, 2022, 26, 257-269.	1.4	7
3	Increasing pollen production at high latitudes across animalâ€pollinated flowering plants. Global Ecology and Biogeography, 2022, 31, 940-953.	5.8	11
4	Bumblebee floral neighbors promote nectar robbing in a hummingbird-pollinated plant species in Patagonia. Arthropod-Plant Interactions, 2022, 16, 183-190.	1.1	1
5	Managed honeybees decrease pollination limitation in self-compatible but not in self-incompatible crops. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, 20220086.	2.6	17
6	Inferring trends in pollinator distributions across the Neotropics from publicly available data remains challenging despite mobilization efforts. Diversity and Distributions, 2022, 28, 1404-1415.	4.1	9
7	Large-scale monoculture reduces honey yield: The case of soybean expansion in Argentina. Agriculture, Ecosystems and Environment, 2021, 306, 107203.	5.3	19
8	Ecological correlates of crop yield growth and interannual yield variation at a global scale. Web Ecology, 2021, 21, 15-43.	1.6	6
9	Intentional and unintentional selection during plant domestication: herbivore damage, plant defensive traits and nutritional quality of fruit and seed crops. New Phytologist, 2021, 231, 1586-1598.	7.3	34
10	The influences of progenitor filtering, domestication selection and the boundaries of nature on the domestication of grain crops. Functional Ecology, 2021, 35, 1998-2011.	3.6	9
11	A global-scale expert assessment of drivers and risks associated with pollinator decline. Nature Ecology and Evolution, 2021, 5, 1453-1461.	7.8	173
12	Exotic insect pollinators and native pollination systems. Plant Ecology, 2021, 222, 1075-1088.	1.6	5
13	Negative impacts of dominance on bee communities: Does the influence of invasive honey bees differ from native bees?. Ecology, 2021, 102, e03526.	3.2	19
14	Pollination advantage of rare plants unveiled. Nature, 2021, 597, 638-639.	27.8	1
15	Plantâ€“pollinator conservation from the perspective of systems-ecology. Current Opinion in Insect Science, 2021, 47, 154-161.	4.4	8
16	Insect pollination enhances yield stability in two pollinator-dependent crops. Agriculture, Ecosystems and Environment, 2021, 320, 107573.	5.3	16
17	Global trends in the number and diversity of managed pollinator species. Agriculture, Ecosystems and Environment, 2021, 322, 107653.	5.3	72
18	Worldwide occurrence records suggest a global decline in bee species richness. One Earth, 2021, 4, 114-123.	6.8	246

#	Article	IF	Citations
19	Pollination success increases with plant diversity in high-Andean communities. Scientific Reports, 2021, 11, 22107.	3.3	5
20	Invasive bees and their impact on agriculture. Advances in Ecological Research, 2020, 63, 49-92.	2.7	42
21	Transformation of agricultural landscapes in the Anthropocene: Nature's contributions to people, agriculture and food security. Advances in Ecological Research, 2020, 63, 193-253.	2.7	56
22	Patchâ€level facilitation fosters highâ€Andean plant diversity at regional scales. Journal of Vegetation Science, 2020, 31, 1133-1143.	2.2	13
23	Bees increase crop yield in an alleged pollinator-independent almond variety. Scientific Reports, 2020, 10, 3177.	3.3	31
24	Crop pollination management needs flowerâ€visitor monitoring and target values. Journal of Applied Ecology, 2020, 57, 664-670.	4.0	57
25	The economic cost of losing native pollinator species for orchard production. Journal of Applied Ecology, 2020, 57, 599-608.	4.0	39
26	Global agricultural productivity is threatened by increasing pollinator dependence without a parallel increase in crop diversification. Global Change Biology, 2019, 25, 3516-3527.	9.5	206
27	Facilitation of vascular plants by cushion mosses in high-Andean communities. Alpine Botany, 2019, 129, 137-148.	2.4	19
28	A global synthesis reveals biodiversity-mediated benefits for crop production. Science Advances, 2019, 5, eaax0121.	10.3	524
29	Plantâ€“plant interactions promote alpine diversification. Evolutionary Ecology, 2019, 33, 195-209.	1.2	14
30	Contrasting responses of plants and pollinators to woodland disturbance. Austral Ecology, 2019, 44, 1040-1051.	1.5	16
31	The dynamic mosaic phenotypes of flowering plants. New Phytologist, 2019, 224, 1021-1034.	7.3	24
32	Reproductive assurance weakens pollinator-mediated selection on flower size in an annual mixed-mating species. Annals of Botany, 2019, 123, 1067-1077.	2.9	11
33	Pollination efficiency of artificial and bee pollination practices in kiwifruit. Scientia Horticulturae, 2019, 246, 1017-1021.	3.6	36
34	Uncoupled Evolution of Male and Female Cone Sizes in an Ancient Conifer Lineage. International Journal of Plant Sciences, 2019, 180, 72-80.	1.3	10
35	Coordinated species importation policies are needed to reduce serious invasions globally: The case of alien bumblebees in South America. Journal of Applied Ecology, 2019, 56, 100-106.	4.0	99
36	An overlooked plantâ€“parakeet mutualism counteracts human overharvesting on an endangered tree. Royal Society Open Science, 2018, 5, 171456.	2.4	11

#	Article	IF	Citations
37	The costs and benefits of pollinator dependence: empirically based simulations predict raspberry fruit quality. Ecological Applications, 2018, 28, 1215-1222.	3.8	11
38	Risks to pollinators and pollination from invasive alien species. Nature Ecology and Evolution, 2018, 2, 16-25.	7.8	113
39	Phenological match drives pollenâ€mediated gene flow in a temporally dimorphic tree. Plant Biology, 2018, 20, 93-100.	3.8	10
40	Coevolution Slows the Disassembly of Mutualistic Networks. American Naturalist, 2018, 192, 490-502.	2.1	16
41	Scale-dependent effects of conspecific flower availability on pollination quantity and quality in an invasive shrub. Oecologia, 2018, 188, 501-513.	2.0	10
42	The interplay between ovule number, pollination and resources as determinants of seed set in a modular plant. PeerJ, 2018, 6, e5384.	2.0	15
43	Honey bee impact on plants and wild bees in natural habitats. Ecosistemas, 2018, 27, 60-69.	0.4	21
44	Invasive bumble bees reduce nectar availability for honey bees by robbing raspberry flower buds. Basic and Applied Ecology, 2017, 19, 26-35.	2.7	31
45	Disruption of Pollination Services by Invasive Pollinator Species. , 2017, , 203-220.		23
46	Pollinator type and secondarily climate are related to nectar sugar composition across the angiosperms. Evolutionary Ecology, 2017, 31, 585-602.	1.2	23
47	The database of the <scp>PREDICTS</scp> (Projecting Responses of Ecological Diversity In Changing) Tj ETQq1 1 0.784314 rgBT /Overl	1.9	186
48	The impact of honey bee colony quality on crop yield and farmersâ€™ profit in apples and pears. Agriculture, Ecosystems and Environment, 2017, 248, 153-161.	5.3	76
49	The southernmost parakeet might be enhancing pollination of a dioecious conifer. Ecology, 2017, 98, 2969-2971.	3.2	8
50	Global decline of bumblebees is phylogenetically structured and inversely related to species range size and pathogen incidence. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170204.	2.6	95
51	Consequences of disperser behaviour for seedling establishment of a mistletoe species. Austral Ecology, 2017, 42, 900-907.	1.5	13
52	Deconstructing pollinator community effectiveness. Current Opinion in Insect Science, 2017, 21, 98-104.	4.4	29
53	Pollination unpredictability and ovule number in a South-Andean Proteaceae along a rainfall gradient. Australian Journal of Botany, 2016, 64, 8.	0.6	5
54	The population ecology of male gametophytes: the link between pollination and seed production. Ecology Letters, 2016, 19, 497-509.	6.4	36

#	Article	IF	Citations
55	The phylogenetic structure of plantâ€“pollinator networks increases with habitat size and isolation. Ecology Letters, 2016, 19, 29-36.	6.4	46
56	Safeguarding pollinators and their values to human well-being. Nature, 2016, 540, 220-229.	27.8	1,204
57	Predicting bee community responses to land-use changes: Effects of geographic and taxonomic biases. Scientific Reports, 2016, 6, 31153.	3.3	92
58	A common framework for identifying linkage rules across different types of interactions. Functional Ecology, 2016, 30, 1894-1903.	3.6	161
59	Evaluating the effects of pollinatorâ€mediated interactions using pollen transfer networks: evidence of widespread facilitation in south Andean plant communities. Ecology Letters, 2016, 19, 576-586.	6.4	94
60	Diverse ecological relations of male gametophyte populations in stylar environments. American Journal of Botany, 2016, 103, 484-497.	1.7	23
61	EDITOR'S CHOICE: REVIEW: Trait matching of flower visitors and crops predicts fruit set better than trait diversity. Journal of Applied Ecology, 2015, 52, 1436-1444.	4.0	136
62	Extinction debt of a common shrub in a fragmented landscape. Journal of Applied Ecology, 2015, 52, 580-589.	4.0	27
63	Structuralâ€“functional approach to identify post-disturbance recovery indicators in forests from northwestern Patagonia: A tool to prevent state transitions. Ecological Indicators, 2015, 52, 85-95.	6.3	19
64	Weak trophic links between a crab-spider and the effective pollinators of a rewardless orchid. Acta Oecologica, 2015, 62, 32-39.	1.1	6
65	Beyond species loss: the extinction of ecological interactions in a changing world. Functional Ecology, 2015, 29, 299-307.	3.6	619
66	Hot spots of mutualistic networks. Journal of Animal Ecology, 2015, 84, 407-413.	2.8	32
67	Invasive conifers reduce seed set of a native Andean cedar through heterospecific pollination competition. Biological Invasions, 2015, 17, 1055-1067.	2.4	5
68	Extremely frequent bee visits increase pollen deposition but reduce drupelet set in raspberry. Journal of Applied Ecology, 2014, 51, 1603-1612.	4.0	94
69	The <scp>PREDICTS</scp> database: a global database of how local terrestrial biodiversity responds to human impacts. Ecology and Evolution, 2014, 4, 4701-4735.	1.9	178
70	Genetic diversity and population structure of the mistletoe Tristerix corymbosus (Loranthaceae). Plant Systematics and Evolution, 2014, 300, 153-162.	0.9	6
71	From research to action: enhancing crop yield through wild pollinators. Frontiers in Ecology and the Environment, 2014, 12, 439-447.	4.0	363
72	When mutualism goes bad: densityâ€dependent impacts of introduced bees on plant reproduction. New Phytologist, 2014, 204, 322-328.	7.3	95

#	ARTICLE	IF	CITATIONS
73	Rapid ecological replacement of a native bumble bee by invasive species. Frontiers in Ecology and the Environment, 2013, 11, 529-534.	4.0	188
74	Node-by-node disassembly of a mutualistic interaction web driven by species introductions. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16503-16507.	7.1	56
75	Birds as mediators of passive restoration during early post-fire recovery. Biological Conservation, 2013, 158, 342-350.	4.1	60
76	Wild Pollinators Enhance Fruit Set of Crops Regardless of Honey Bee Abundance. Science, 2013, 339, 1608-1611.	12.6	1,767
77	Alien parasite hitchhikes to Patagonia on invasive bumblebee. Biological Invasions, 2013, 15, 489-494.	2.4	112
78	Specialization and Rarity Predict Nonrandom Loss of Interactions from Mutualist Networks. Science, 2012, 335, 1486-1489.	12.6	237
79	Interactive Effects of Large- and Small-Scale Sources of Feral Honey-Bees for Sunflower in the Argentine Pampas. PLoS ONE, 2012, 7, e30968.	2.5	20
80	Erosion of a pollination mutualism along an environmental gradient in a south Andean treelet, <i>Embothrium coccineum</i> (Proteaceae). Oikos, 2012, 121, 471-480.	2.7	44
81	Endozoochory decreases environmental filtering imposed to seedlings. Journal of Vegetation Science, 2012, 23, 677-689.	2.2	12
82	Global growth and stability of agricultural yield decrease with pollinator dependence. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 5909-5914.	7.1	310
83	Reconnecting plants and pollinators: challenges in the restoration of pollination mutualisms. Trends in Plant Science, 2011, 16, 4-12.	8.8	278
84	Geographic variation in fruit colour is associated with contrasting seed disperser assemblages in a south-Andean mistletoe. Ecography, 2011, 34, 318-326.	4.5	58
85	Comparative nectar-foraging behaviors and efficiencies of an alien and a native bumble bee. Biological Invasions, 2011, 13, 2901-2909.	2.4	12
86	Effects of anthropogenic habitat disturbance on local pollinator diversity and species turnover across a precipitation gradient. Biodiversity and Conservation, 2010, 19, 257-274.	2.6	50
87	Reproductive interactions mediated by flowering overlap in a temperate hummingbird-plant assemblage. Oikos, 2010, 119, 696-706.	2.7	29
88	Floral adaptation and diversification under pollen limitation. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 529-543.	4.0	138
89	Direct effects of habitat area on interaction diversity in pollination webs. Ecological Applications, 2010, 20, 1491-1497.	3.8	82
90	Pollinator shortage and global crop yield. Communicative and Integrative Biology, 2009, 2, 37-39.	1.4	66

#	Article	IF	Citations
91	Geographic variation in the growth of domesticated honey-bee stocks. Communicative and Integrative Biology, 2009, 2, 464-466.	1.4	23
92	The Global Stock of Domesticated Honey Bees Is Growing Slower Than Agricultural Demand for Pollination. Current Biology, 2009, 19, 915-918.	3.9	794
93	How much does agriculture depend on pollinators? Lessons from long-term trends in crop production. Annals of Botany, 2009, 103, 1579-1588.	2.9	499
94	The potential key seed-dispersing role of the arboreal marsupial Dromiciops gliroides. Acta Oecologica, 2009, 35, 8-13.	1.1	82
95	A metaâ€analysis of bees' responses to anthropogenic disturbance. Ecology, 2009, 90, 2068-2076.	3.2	739
96	Do leaf margins of the temperate forest flora of southern South America reflect a warmer past?. Global Ecology and Biogeography, 2008, 17, 164-174.	5.8	28
97	Long-Term Global Trends in Crop Yield and Production Reveal No Current Pollination Shortage but Increasing Pollinator Dependency. Current Biology, 2008, 18, 1572-1575.	3.9	490
98	Population characteristics of Dromiciops gliroides (Philippi, 1893), an endemic marsupial of the temperate forest of Patagonia. Mammalian Biology, 2008, 73, 74-76.	1.5	21
99	SUGAR PREFERENCES OF THE GREEN-BACKED FIRECROWN HUMMINGBIRD (<i>SEPHANOIDES) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.4	14
100	Effects of exotic conifer plantations on the biodiversity of understory plants, epigeal beetles and birds in Nothofagus dombeyi forests. Forest Ecology and Management, 2008, 255, 1575-1583.	3.2	105
101	Invasive Mutualists Erode Native Pollination Webs. PLoS Biology, 2008, 6, e31.	5.6	378
102	Proximity to forest edge does not affect crop production despite pollen limitation. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 907-913.	2.6	38
103	Uncoupled Geographical Variation between Leaves and Flowers in a South-Andean Proteaceae. Annals of Botany, 2008, 102, 79-91.	2.9	33
104	Habitat fragmentation disrupts a plant-disperser mutualism in the temperate forest of South America. Biological Conservation, 2007, 139, 195-202.	4.1	122
105	EXPANDING THE LIMITS OF THE POLLEN-LIMITATION CONCEPT: EFFECTS OF POLLEN QUANTITY AND QUALITY. Ecology, 2007, 88, 271-281.	3.2	409
106	Pollination Requirements of Pigmented Grapefruit (Citrus paradisi Macf.) from Northwestern Argentina. Crop Science, 2007, 47, 1143-1150.	1.8	11
107	Pollination and other ecosystem services produced by mobile organisms: a conceptual framework for the effects of land-use change. Ecology Letters, 2007, 10, 299-314.	6.4	1,096
108	Flowering phenologies of hummingbird plants from the temperate forest of southern South America: is there evidence of competitive displacement?. Ecography, 2006, 29, 357-366.	4.5	89

#	Article	IF	Citations
109	Plant reproductive susceptibility to habitat fragmentation: review and synthesis through a meta-analysis. Ecology Letters, 2006, 9, 968-980.	6.4	823
110	Invasive mutualisms and the structure of plant-pollinator interactions in the temperate forests of north-west Patagonia, Argentina. Journal of Ecology, 2006, 94, 171-180.	4.0	153
111	Nectar Concentration and Composition of 26 Species from the Temperate Forest of South America. Annals of Botany, 2006, 97, 413-421.	2.9	154
112	Edge effects on flower-visiting insects in grapefruit plantations bordering premontane subtropical forest. Journal of Applied Ecology, 2005, 43, 18-27.	4.0	146
113	Breeding system of Tristerix corymbosus (Loranthaceae), a winter-flowering mistletoe from the southern Andes. Australian Journal of Botany, 2005, 53, 357.	0.6	27
114	Why do pollination generalist and specialist plant species show similar reproductive susceptibility to habitat fragmentation?. Journal of Ecology, 2004, 92, 717-719.	4.0	133
115	ASYMMETRIC SPECIALIZATION: A PERVASIVE FEATURE OF PLANTâ€“POLLINATOR INTERACTIONS. Ecology, 2004, 85, 1251-1257.	3.2	343
116	Down-Facing Flowers, Hummingbirds and Rain. Taxon, 2003, 52, 675.	0.7	37
117	NULL MODEL ANALYSES OF SPECIALIZATION IN PLANTâ€“POLLINATOR INTERACTIONS. Ecology, 2003, 84, 2493-2501.	3.2	186
118	INFLUENCES OF ANIMAL POLLINATION AND SEED DISPERSAL ON WINTER FLOWERING IN A TEMPERATE MISTLETOE. Ecology, 2003, 84, 2613-2627.	3.2	119
119	Selective Fruit Maturation and Seedling Performance in Acacia caven (Fabaceae). International Journal of Plant Sciences, 2002, 163, 809-813.	1.3	20
120	Historia natural y conservaciÃ³n de los mutualismos planta-animal del bosque templado de SudamÃ©rica austral. Revista Chilena De Historia Natural, 2002, 75, 79.	1.2	93
121	Reproductive success in fragmented habitats: do compatibility systems and pollination specialization matter?. Journal of Vegetation Science, 2002, 13, 885-892.	2.2	150
122	Title is missing!. Biological Invasions, 2002, 4, 87-100.	2.4	98
123	Reproductive success in fragmented habitats: do compatibility systems and pollination specialization matter?. Journal of Vegetation Science, 2002, 13, 885.	2.2	36
124	Why do flowers of a hummingbird-pollinated mistletoe face down?. Functional Ecology, 2001, 15, 782-790.	3.6	49
125	FLOWER SEX RATIO, POLLINATOR ABUNDANCE, AND THE SEASONAL POLLINATION DYNAMICS OF A PROTANDROUS PLANT. Ecology, 2001, 82, 127-144.	3.2	65
126	Mistletoe seed dispersal by a marsupial. Nature, 2000, 408, 929-930.	27.8	146

#	Article	IF	Citations
127	Species associations and nurse plant effects in patches of highâ€Andean vegetation. Journal of Vegetation Science, 1999, 10, 357-364.	2.2	147
128	Early reproductive failure increases nectar production and pollination success of late flowers in south Andean Alstroemeria aurea. Oecologia, 1999, 120, 235-241.	2.0	21
129	Selective fruit filling in relation to pollen load size in Alstroemeria aurea (Alstroemeriaceae). Sexual Plant Reproduction, 1998, 11, 166-170.	2.2	6
130	Flowering-Shoot Defoliation Affects Pollen Grain Size and Postpollination Pollen Performance in Alstroemeria aurea. Ecology, 1998, 79, 2133.	3.2	15
131	FLOWERING-SHOOT DEFOLIATION AFFECTS POLLEN GRAIN SIZE AND POSTPOLLINATION POLLEN PERFORMANCE INALSTROEMERIA AUREA. Ecology, 1998, 79, 2133-2142.	3.2	37
132	Sex differential nectar secretion in protandrous Alstroemeria aurea (Alstroemeriaceae): is production altered by pollen removal and receipt?. American Journal of Botany, 1998, 85, 245-252.	1.7	62
133	Influence of local floral density and sex ratio on pollen receipt and seed output: empirical and experimental results in dichogamous Alstroemeria aurea (Alstroemeriaceae). Oecologia, 1997, 111, 404-412.	2.0	41
134	Effects of acorn size on seedling survival and growth in <i>Quercus rubra</i> following simulated spring freeze. Canadian Journal of Botany, 1996, 74, 308-314.	1.1	33
135	Effects of pollinia removal and insertion on flower longevity inChloraea alpina (Orchidaceae). Evolutionary Ecology, 1996, 10, 653-660.	1.2	33
136	Nectar Production and Pollination in Alstroemeria aurea: Responses to Level and Pattern of Flowering Shoot Defoliation. Oikos, 1996, 76, 312.	2.7	26
137	Does Pollen Viability Decrease with Aging? A Cross-Population Examination in Austrocedrus chilensis (Cupressaceae). International Journal of Plant Sciences, 1995, 156, 227-231.	1.3	17
138	Within and among flower sex-phase distribution in <i>Alstroemeria aurea</i> (Alstroemeriaceae). Canadian Journal of Botany, 1995, 73, 1986-1994.	1.1	35
139	Leaf phenology and herbivory along a temperature gradient: a spatial test of the phenological window hypothesis. Journal of Vegetation Science, 1995, 6, 543-550.	2.2	41
140	Habitat Fragmentation, Native Insect Pollinators, and Feral Honey Bees in Argentine 'Chaco Serrano'. , 1994, 4, 378-392.		370
141	Forest Fragmentation, Pollination, and Plant Reproduction in a Chaco Dry Forest, Argentina. Ecology, 1994, 75, 330-351.	3.2	636
142	Self-Pollination Shortens Flower Lifespan in Portulaca umbraticola H.B.K. (Portulacaceae). International Journal of Plant Sciences, 1993, 154, 412-415.	1.3	23
143	Latitudinal trends in acorn size in eastern North American species of <i>Quercus</i>. Canadian Journal of Botany, 1992, 70, 1218-1222.	1.1	45
144	AMONGâ€•AND WITHINâ€FLOWER COMPARISONS OF POLLEN TUBE GROWTH FOLLOWING SELFâ€•AND CROSSâ€POLLINATIONS IN DIANTHUS CHINENSIS (CARYOPHYLLACEAE). American Journal of Botany, 1990, 77, 671-676.	1.7	75

#	Article	IF	Citations
145	Floral sex ratios in scrub oak (Quercus ilicifolia) vary with microtopography and stem height. Canadian Journal of Botany, 1990, 68, 1364-1368.	1.1	15
146	Acorn Size and Geographical Range in the North American Oaks (Quercus L.). Journal of Biogeography, 1990, 17, 327.	3.0	86
147	Among- and Within-Flower Comparisons of Pollen Tube Growth Following Self- and Cross-Pollinations in Dianthus chinensis (Caryophyllaceae). American Journal of Botany, 1990, 77, 671.	1.7	35
148	Hardwood Competition and Weevil Infestation in White Pine: Lessons from a Long-Term Study. Northern Journal of Applied Forestry, 1989, 6, 186-188.	0.5	1
149	Fit of logspecies-logarea regression lines to nonequilibrium archipelagos: A simulation approach. Ecological Modelling, 1989, 47, 265-273.	2.5	2