Marcelo A Aizen

List of Publications by Year in descending order

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

#	Article	IF	CITATIONS
1	Wild Pollinators Enhance Fruit Set of Crops Regardless of Honey Bee Abundance. Science, 2013, 339, 1608-1611.	12.6	1,767
2	Safeguarding pollinators and their values to human well-being. Nature, 2016, 540, 220-229.	27.8	1,204
3	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
4	Plant reproductive susceptibility to habitat fragmentation: review and synthesis through a meta-analysis. Ecology Letters, 2006, 9, 968-980.	6.4	823
5	The Global Stock of Domesticated Honey Bees Is Growing Slower Than Agricultural Demand for Pollination. Current Biology, 2009, 19, 915-918.	3.9	794
6	A metaâ€analysis of bees' responses to anthropogenic disturbance. Ecology, 2009, 90, 2068-2076.	3.2	739
7	Forest Fragmentation, Pollination, and Plant Reproduction in a Chaco Dry Forest, Argentina. Ecology, 1994, 75, 330-351.	3.2	636
8	Beyond species loss: the extinction of ecological interactions in a changing world. Functional Ecology, 2015, 29, 299-307.	3.6	619
9	A global synthesis reveals biodiversity-mediated benefits for crop production. Science Advances, 2019, 5, eaax0121.	10.3	524
10	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
11	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
12	EXPANDING THE LIMITS OF THE POLLEN-LIMITATION CONCEPT: EFFECTS OF POLLEN QUANTITY AND QUALITY. Ecology, 2007, 88, 271-281.	3.2	409
13	Invasive Mutualists Erode Native Pollination Webs. PLoS Biology, 2008, 6, e31.	5.6	378
14	Habitat Fragmentation, Native Insect Pollinators, and Feral Honey Bees in Argentine 'Chaco Serrano'., 1994, 4, 378-392.		370
15	From research to action: enhancing crop yield through wild pollinators. Frontiers in Ecology and the Environment, 2014, 12, 439-447.	4.0	363
16	ASYMMETRIC SPECIALIZATION: A PERVASIVE FEATURE OF PLANT–POLLINATOR INTERACTIONS. Ecology, 2004, 85, 1251-1257.	3.2	343
17	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
18	Reconnecting plants and pollinators: challenges in the restoration of pollination mutualisms. Trends in Plant Science, 2011, 16, 4-12.	8.8	278

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19	Worldwide occurrence records suggest a global decline in bee species richness. One Earth, 2021, 4, 114-123.	6.8	246
20	Specialization and Rarity Predict Nonrandom Loss of Interactions from Mutualist Networks. Science, 2012, 335, 1486-1489.	12.6	237
21	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
22	Rapid ecological replacement of a native bumble bee by invasive species. Frontiers in Ecology and the Environment, 2013, 11, 529-534.	4.0	188
23	NULL MODEL ANALYSES OF SPECIALIZATION IN PLANT–POLLINATOR INTERACTIONS. Ecology, 2003, 84, 2493-2501.	3.2	186
24	The database of the <scp>PREDICTS</scp> (Projecting Responses of Ecological Diversity In Changing) Tj ETQq0	0 0 rgBT /0	Overlock 10
25	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
26	A global-scale expert assessment of drivers and risks associated with pollinator decline. Nature Ecology and Evolution, 2021, 5, 1453-1461.	7.8	173
27	A common framework for identifying linkage rules across different types of interactions. Functional Ecology, 2016, 30, 1894-1903.	3.6	161
28	Nectar Concentration and Composition of 26 Species from the Temperate Forest of South America. Annals of Botany, 2006, 97, 413-421.	2.9	154
29	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
30	Reproductive success in fragmented habitats: do compatibility systems and pollination specialization matter?. Journal of Vegetation Science, 2002, 13, 885-892.	2.2	150
31	Species associations and nurse plant effects in patches of highâ€Andean vegetation. Journal of Vegetation Science, 1999, 10, 357-364.	2.2	147
32	Mistletoe seed dispersal by a marsupial. Nature, 2000, 408, 929-930.	27.8	146
33	Edge effects on flower-visiting insects in grapefruit plantations bordering premontane subtropical forest. Journal of Applied Ecology, 2005, 43, 18-27.	4.0	146
34	Floral adaptation and diversification under pollen limitation. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 529-543.	4.0	138
35	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
36	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

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37	Habitat fragmentation disrupts a plant-disperser mutualism in the temperate forest of South America. Biological Conservation, 2007, 139, 195-202.	4.1	122
38	INFLUENCES OF ANIMAL POLLINATION AND SEED DISPERSAL ON WINTER FLOWERING IN A TEMPERATE MISTLETOE. Ecology, 2003, 84, 2613-2627.	3.2	119
39	Risks to pollinators and pollination from invasive alien species. Nature Ecology and Evolution, 2018, 2, 16-25.	7.8	113
40	Alien parasite hitchhikes to Patagonia on invasive bumblebee. Biological Invasions, 2013, 15, 489-494.	2.4	112
41	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
42	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
43	Title is missing!. Biological Invasions, 2002, 4, 87-100.	2.4	98
44	When mutualism goes bad: densityâ€dependent impacts of introduced bees on plant reproduction. New Phytologist, 2014, 204, 322-328.	7.3	95
45	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
46	Extremely frequent bee visits increase pollen deposition but reduce drupelet set in raspberry. Journal of Applied Ecology, 2014, 51, 1603-1612.	4.0	94
47	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
48	Historia natural y conservación de los mutualismos planta-animal del bosque templado de Sudamérica austral. Revista Chilena De Historia Natural, 2002, 75, 79.	1.2	93
49	Predicting bee community responses to land-use changes: Effects of geographic and taxonomic biases. Scientific Reports, 2016, 6, 31153.	3.3	92
50	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
51	Acorn Size and Geographical Range in the North American Oaks (Quercus L.). Journal of Biogeography, 1990, 17, 327.	3.0	86
52	The potential key seed-dispersing role of the arboreal marsupial Dromiciops gliroides. Acta Oecologica, 2009, 35, 8-13.	1.1	82
53	Direct effects of habitat area on interaction diversity in pollination webs. Ecological Applications, 2010, 20, 1491-1497.	3.8	82
54	The impact of honey bee colony quality on crop yield and farmers' profit in apples and pears. Agriculture, Ecosystems and Environment, 2017, 248, 153-161.	5.3	76

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55	AMONG―AND WITHINâ€FLOWER COMPARISONS OF POLLEN TUBE GROWTH FOLLOWING SELF―AND CROSSâ€POLLINATIONS IN DIANTHUS CHINENSIS (CARYOPHYLLACEAE). American Journal of Botany, 1990, 77, 671-676.	1.7	75
56	Global trends in the number and diversity of managed pollinator species. Agriculture, Ecosystems and Environment, 2021, 322, 107653.	5. 3	72
57	Pollinator shortage and global crop yield. Communicative and Integrative Biology, 2009, 2, 37-39.	1.4	66
58	FLOWER SEX RATIO, POLLINATOR ABUNDANCE, AND THE SEASONAL POLLINATION DYNAMICS OF A PROTANDROUS PLANT. Ecology, 2001, 82, 127-144.	3.2	65
59	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
60	Birds as mediators of passive restoration during early post-fire recovery. Biological Conservation, 2013, 158, 342-350.	4.1	60
61	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
62	Crop pollination management needs flowerâ€visitor monitoring and target values. Journal of Applied Ecology, 2020, 57, 664-670.	4.0	57
63	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
64	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
65	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
66	Why do flowers of a hummingbird-pollinated mistletoe face down?. Functional Ecology, 2001, 15, 782-790.	3.6	49
67	The phylogenetic structure of plant–pollinator networks increases with habitat size and isolation. Ecology Letters, 2016, 19, 29-36.	6.4	46
68	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
69	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
70	Invasive bees and their impact on agriculture. Advances in Ecological Research, 2020, 63, 49-92.	2.7	42
71	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
72	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

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73	The economic cost of losing native pollinator species for orchard production. Journal of Applied Ecology, 2020, 57, 599-608.	4.0	39
74	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
75	FLOWERING-SHOOT DEFOLIATION AFFECTS POLLEN GRAIN SIZE AND POSTPOLLINATION POLLEN PERFORMANCE INALSTROEMERIA AUREA. Ecology, 1998, 79, 2133-2142.	3.2	37
76	Down-Facing Flowers, Hummingbirds and Rain. Taxon, 2003, 52, 675.	0.7	37
77	The population ecology of male gametophytes: the link between pollination and seed production. Ecology Letters, 2016, 19, 497-509.	6.4	36
78	Pollination efficiency of artificial and bee pollination practices in kiwifruit. Scientia Horticulturae, 2019, 246, 1017-1021.	3.6	36
79	Reproductive success in fragmented habitats: do compatibility systems and pollination specialization matter?. Journal of Vegetation Science, 2002, 13, 885.	2,2	36
80	Within and among flower sex-phase distribution in <i>Alstroemeria aurea</i> (Alstroemeriaceae). Canadian Journal of Botany, 1995, 73, 1986-1994.	1,1	35
81	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
82	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
83	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
84	Effects of pollinia removal and insertion on flower longevity inChloraea alpina (Orchidaceae). Evolutionary Ecology, 1996, 10, 653-660.	1.2	33
85	Uncoupled Geographical Variation between Leaves and Flowers in a South-Andean Proteaceae. Annals of Botany, 2008, 102, 79-91.	2.9	33
86	Hot spots of mutualistic networks. Journal of Animal Ecology, 2015, 84, 407-413.	2.8	32
87	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
88	Bees increase crop yield in an alleged pollinator-independent almond variety. Scientific Reports, 2020, 10, 3177.	3.3	31
89	Reproductive interactions mediated by flowering overlap in a temperate hummingbird-plant assemblage. Oikos, 2010, 119, 696-706.	2.7	29
90	Deconstructing pollinator community effectiveness. Current Opinion in Insect Science, 2017, 21, 98-104.	4.4	29

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91	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
92	Breeding system of Tristerix corymbosus (Loranthaceae), a winter-flowering mistletoe from the southern Andes. Australian Journal of Botany, 2005, 53, 357.	0.6	27
93	Extinction debt of a common shrub in a fragmented landscape. Journal of Applied Ecology, 2015, 52, 580-589.	4.0	27
94	Nectar Production and Pollination in Alstroemeria aurea: Responses to Level and Pattern of Flowering Shoot Defoliation. Oikos, 1996, 76, 312.	2.7	26
95	The dynamic mosaic phenotypes of flowering plants. New Phytologist, 2019, 224, 1021-1034.	7.3	24
96	Self-Pollination Shortens Flower Lifespan in Portulaca umbraticola H.B.K. (Portulacaceae). International Journal of Plant Sciences, 1993, 154, 412-415.	1.3	23
97	Geographic variation in the growth of domesticated honey-bee stocks. Communicative and Integrative Biology, 2009, 2, 464-466.	1.4	23
98	Diverse ecological relations of male gametophyte populations in stylar environments. American Journal of Botany, 2016, 103, 484-497.	1.7	23
99	Disruption of Pollination Services by Invasive Pollinator Species. , 2017, , 203-220.		23
100	Pollinator type and secondarily climate are related to nectar sugar composition across the angiosperms. Evolutionary Ecology, 2017, 31, 585-602.	1.2	23
101	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
102	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
103	Honey bee impact on plants and wild bees in natural habitats. Ecosistemas, 2018, 27, 60-69.	0.4	21
104	Selective Fruit Maturation and Seedling Performance in Acacia caven (Fabaceae). International Journal of Plant Sciences, 2002, 163, 809-813.	1.3	20
105	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
106	Structural–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
107	Facilitation of vascular plants by cushion mosses in high-Andean communities. Alpine Botany, 2019, 129, 137-148.	2.4	19
108	Large-scale monoculture reduces honey yield: The case of soybean expansion in Argentina. Agriculture, Ecosystems and Environment, 2021, 306, 107203.	5.3	19

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109	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
110	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
111	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
112	Coevolution Slows the Disassembly of Mutualistic Networks. American Naturalist, 2018, 192, 490-502.	2.1	16
113	Contrasting responses of plants and pollinators to woodland disturbance. Austral Ecology, 2019, 44, 1040-1051.	1.5	16
114	Insect pollination enhances yield stability in two pollinator-dependent crops. Agriculture, Ecosystems and Environment, 2021, 320, 107573.	5.3	16
115	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
116	Flowering-Shoot Defoliation Affects Pollen Grain Size and Postpollination Pollen Performance in Alstroemeria aurea. Ecology, 1998, 79, 2133.	3.2	15
117	The interplay between ovule number, pollination and resources as determinants of seed set in a modular plant. PeerJ, 2018, 6, e5384.	2.0	15
118	SUGAR PREFERENCES OF THE GREEN-BACKED FIRECROWN HUMMINGBIRD (<i>SEPHANOIDES) Tj ETQq0 0 0 rg</i>	gBT /Overlo	ock 10 Tf 50 3
119	Plant–plant interactions promote alpine diversification. Evolutionary Ecology, 2019, 33, 195-209.	1.2	14
120	Consequences of disperser behaviour for seedling establishment of a mistletoe species. Austral Ecology, 2017, 42, 900-907.	1.5	13
121	Patchâ€level facilitation fosters highâ€Andean plant diversity at regional scales. Journal of Vegetation Science, 2020, 31, 1133-1143.	2.2	13
122	Comparative nectar-foraging behaviors and efficiencies of an alien and a native bumble bee. Biological Invasions, 2011, 13, 2901-2909.	2.4	12
123	Endozoochory decreases environmental filtering imposed to seedlings. Journal of Vegetation Science, 2012, 23, 677-689.	2.2	12
124	Pollination Requirements of Pigmented Grapefruit (Citrus paradisi Macf.) from Northwestern Argentina. Crop Science, 2007, 47, 1143-1150.	1.8	11
125	An overlooked plant–parakeet mutualism counteracts human overharvesting on an endangered tree. Royal Society Open Science, 2018, 5, 171456.	2.4	11
126	The costs and benefits of pollinator dependence: empirically based simulations predict raspberry fruit quality. Ecological Applications, 2018, 28, 1215-1222.	3.8	11

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127	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
128	Increasing pollen production at high latitudes across animalâ€pollinated flowering plants. Global Ecology and Biogeography, 2022, 31, 940-953.	5.8	11
129	Phenological match drives pollenâ€mediated gene flow in a temporally dimorphic tree. Plant Biology, 2018, 20, 93-100.	3.8	10
130	Scale-dependent effects of conspecific flower availability on pollination quantity and quality in an invasive shrub. Oecologia, 2018, 188, 501-513.	2.0	10
131	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
132	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
133	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
134	The southernmost parakeet might be enhancing pollination of a dioecious conifer. Ecology, 2017, 98, 2969-2971.	3.2	8
135	Plant–pollinator conservation from the perspective of systems-ecology. Current Opinion in Insect Science, 2021, 47, 154-161.	4.4	8
136	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
137	Selective fruit filling in relation to pollen load size in Alstroemeria aurea (Alstroemeriaceae). Sexual Plant Reproduction, 1998, 11, 166-170.	2.2	6
138	Genetic diversity and population structure of the mistletoe Tristerix corymbosus (Loranthaceae). Plant Systematics and Evolution, 2014, 300, 153-162.	0.9	6
139	Weak trophic links between a crab-spider and the effective pollinators of a rewardless orchid. Acta Oecologica, 2015, 62, 32-39.	1.1	6
140	Ecological correlates of crop yield growth and interannual yield variation at a global scale. Web Ecology, 2021, 21, 15-43.	1.6	6
141	Behavioural responses by a bumble bee to competition with a nicheâ€constructing congener. Journal of Animal Ecology, 2022, 91, 580-592.	2.8	6
142	Invasive conifers reduce seed set of a native Andean cedar through heterospecific pollination competition. Biological Invasions, 2015, 17, 1055-1067.	2.4	5
143	Pollination unpredictability and ovule number in a South-Andean Proteaceae along a rainfall gradient. Australian Journal of Botany, 2016, 64, 8.	0.6	5
144	Exotic insect pollinators and native pollination systems. Plant Ecology, 2021, 222, 1075-1088.	1.6	5

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145	Pollination success increases with plant diversity in high-Andean communities. Scientific Reports, 2021, 11, 22107.	3.3	5
146	Fit of logspecies-logarea regression lines to nonequilibrium archipelagos: A simulation approach. Ecological Modelling, 1989, 47, 265-273.	2.5	2
147	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
148	Pollination advantage of rare plants unveiled. Nature, 2021, 597, 638-639.	27.8	1
149	Bumblebee floral neighbors promote nectar robbing in a hummingbird-pollinated plant species in Patagonia. Arthropod-Plant Interactions, 2022, 16, 183-190.	1.1	1