Isabel Cristina Machado

List of Publications by Year
in descending order

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111 papers	2,339 citations	218677 26 h-index	289244 40 g-index
111 all docs	111 docs citations	111 times ranked	1949 citing authors

#	Article	IF	Citations
1	Floral Traits and Pollination Systems in the Caatinga, a Brazilian Tropical Dry Forest. Annals of Botany, 2004, 94, 365-376.	2.9	197
2	Pollination of four sympatric species ofAngelonia (Scrophulariaceae) by oil-collecting bees in NE. Brazil. Plant Systematics and Evolution, 1991, 178, 153-178.	0.9	73
3	Global patterns of interaction specialization in birdâ€“flower networks. Journal of Biogeography, 2017, 44, 1891-1910.	3.0	68
4	Pollination of Campanula rapunculus L. (Campanulaceae): How much pollen flows into pollination and into reproduction of oligolectic pollinators?. Plant Systematics and Evolution, 2005, 250, 147-156.	0.9	66
5	Pollination networks of oilâ€flowers: a tiny world within the smallest of all worlds. Journal of Animal Ecology, 2009, 78, 1096-1101.	2.8	64
6	Sistema de polinizaÃ§Ã£o e reproduÃ§Ã£o de Byrsonima sericea DC (Malpighiaceae). Acta Botanica Brasilica, 2000, 14, 347-357.	0.8	58
7	HistÃ³ria natural das abelhas coletoras de Ã³leo. Oecologia Brasiliensis, 2007, 11, 544-557.	0.5	58
8	Plant Sexual Systems and a Review of the Breeding System Studies in the Caatinga, a Brazilian Tropical Dry Forest. Annals of Botany, 2006, 97, 277-287.	2.9	56
9	The diversity and evolution of pollination systems in large plant clades: Apocynaceae as a case study. Annals of Botany, 2019, 123, 311-325.	2.9	53
10	Pollination and seed dispersal of <scp>M</scp>elocactus ernestii <scp>V</scp>aupel subsp. ernestii (<scp>C</scp>actaceae) by lizards: an example of double mutualism. Plant Biology, 2014, 16, 315-322.	3.8	50
11	Floral biology and reproductive ecology ofClusia nemorosa (Clusiaceae) in northeastern Brazil. Plant Systematics and Evolution, 1998, 213, 71-90.	0.9	47
12	Functional <scp>R</scp>oles of <scp>C</scp>entridini <scp>O</scp>il <scp>B</scp>ees and <scp>M</scp>alpighiaceae <scp>O</scp>il <scp>F</scp>lowers in <scp>B</scp>iomeâ€wide <scp>P</scp>ollination <scp>N</scp>etworks. Biotropica, 2013, 45, 45-53.	1.6	44
13	Reproductive phenology of a northeast Brazilian mangrove community: Environmental and biotic constraints. Flora: Morphology, Distribution, Functional Ecology of Plants, 2012, 207, 682-692.	1.2	43
14	Land use, fallow period and the recovery of a Caatinga forest. Biotropica, 2016, 48, 586-597.	1.6	38
15	Biologia da polinizaÃ§Ã£o e sistema reprodutivo de Psychotria barbiflora DC. (Rubiaceae). Acta Botanica Brasilica, 2004, 18, 853-862.	0.8	36
16	Secretory Trichomes, a Substitutive Floral Nectar Source in Lundia A. DC. (Bignoniaceae), a Genus Lacking a Functional Disc. Annals of Botany, 2002, 90, 169-174.	2.9	35
17	Reproductive isolation between diploid and tetraploid cytotypes of Libidibia ferrea (= Caesalpinia) Tj ETQq1 1 0.784314 rgBT /Overloc 298, 1371-1381.	0.9	35
18	Spatial distance and climate determine modularity in a crossâ€biomes plantâ€“hummingbird interaction network in Brazil. Journal of Biogeography, 2018, 45, 1846-1858.	3.0	35

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19	Floral biology ofPilosocereus tuberculatus(Werderm.) Byles & Rowley: a bat pollinated cactus endemic from the â€œCaatingaâ€•in northeastern Brazil. Bradleya, 2007, 25, 129-144.	0.3	33
20	Biologia floral e sistema de polinizaÃ§Ã£o de Solanum stramonifolium Jacq. (Solanaceae) em remanescente de Mata AtlÃ¢ntica, Pernambuco. Acta Botanica Brasilica, 2003, 17, 247-257.	0.8	32
21	PolinizaÃ§Ã£o por beija-flores em uma Ã¡rea de caatinga no MunicÃpio de Floresta, Pernambuco, Nordeste do Brasil. Revista Brasileira De Botanica, 2006, 29, 379.	1.3	32
22	Synchronous phenology of hawkmoths (Sphingidae) and Inga species (Fabaceaeâ€“Mimosoideae): implications for the restoration of the Atlantic forest of northeastern Brazil. Biodiversity and Conservation, 2011, 20, 751-765.	2.6	32
23	Pollination and breeding system of Melochia tomentosa L. (Malvaceae), a keystone floral resource in the Brazilian Caatinga. Flora: Morphology, Distribution, Functional Ecology of Plants, 2008, 203, 484-490.	1.2	31
24	Pollination syndromes in a Caatinga plant community in northeastern Brazil: seasonal availability of floral resources in different plant growth habits. Brazilian Journal of Biology, 2014, 74, 62-71.	0.9	31
25	Enantiostyly in Chamaecrista ramosa (Fabaceaeâ€Caesalpinioideae): floral morphology, pollen transfer dynamics and breeding system. Plant Biology, 2013, 15, 369-375.	3.8	29
26	Pollination of Angelonia cornigera Hook. (Scrophulariaceae) by Long-Legged, Oil-Collecting Bees in NE Brazil. Plant Biology, 2002, 4, 352-359.	3.8	28
27	Reproductive phenological pattern of Calotropis procera (Apocynaceae), an invasive species in Brazil: annual in native areas; continuous in invaded areas of caatinga. Acta Botanica Brasilica, 2013, 27, 456-459.	0.8	27
28	Floral Biology and Bat Pollination in Pilosocereus catingicola (Cactaceae) in Northeastern Brazil. Bradleya, 1997, 15, 28-34.	0.3	26
29	Fly pollination and pollinator sharing in two synchronopatric species: Cordia multispicata (Boraginaceae) and Borreria alata (Rubiaceae). Revista Brasileira De Botanica, 2000, 23, 305-311.	1.3	26
30	Reproductive biology of woody species in Caatinga, a dry forest of northeastern Brazil. Journal of Arid Environments, 2010, 74, 1374-1380.	2.4	26
31	The floral scents of Nymphaea subg. Hydrocallis (Nymphaeaceae), the New World night-blooming water lilies, and their relation with putative pollinators. Phytochemistry, 2014, 103, 67-75.	2.9	26
32	Complex flowers and rare pollinators: Does ant pollination in Ditassa show a stable system in Asclepiadoideae (Apocynaceae)?. Arthropod-Plant Interactions, 2017, 11, 339-349.	1.1	26
33	Reproductive biology of columnar cacti: are bats the only protagonists in the pollination of Pilosocereus, a typical chiropterophilous genus?. Folia Geobotanica, 2019, 54, 239-256.	0.9	26
34	PolinizaÃ§Ã£o de Spondias tuberosa Arruda (Anacardiaceae) e anÃ¡lise da partilha de polinizadores com Ziziphus joazeiro Mart. (Rhamnaceae), espÃ©cies frutÃferas e endÃªmicas da caatinga. Revista Brasileira De Botanica, 2007, 30, 89-100.	1.3	25
35	Harpochilus neesianus and other novel cases of chiropterophily in neotropical Acanthaceae. Taxon, 2004, 53, 55-60.	0.7	24
36	Bats and hawkmoths form mixed modules with flowering plants in a nocturnal interaction network. Biotropica, 2021, 53, 596-607.	1.6	24

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37	Biologia reprodutiva de duas espÃ©cies de Jatropha L. (Euphorbiaceae) em caatinga, Nordeste do Brasil. Revista Brasileira De Botanica, 2005, 28, 361.	1.3	23
38	Pollination and Reproductive Biology of Rauvolfia grandiflora (Apocynaceae): Secondary Pollen Presentation, Herkogamy and Selfâ€incompatibility. Plant Biology, 1999, 1, 547-553.	3.8	22
39	Fenologia reprodutiva e sistema de polinizaÃ§Ã£o de Ziziphus joazeiro Mart. (Rhamnaceae): atuaÃ§Ã£o de Apis mellifera e de visitantes florais autÃ³ctones como polinizadores. Acta Botanica Brasilica, 2007, 21, 835-845.	0.8	22
40	Flowering dynamics and pollination system of the sedge Rhynchospora ciliata (Vahl) KÃ¼kenth (Cyperaceae): does ambophily enhance its reproductive success?. Plant Biology, 2012, 14, 881-887.	3.8	22
41	Floral traits driving reproductive isolation of two co-flowering taxa that share vertebrate pollinators. AoB PLANTS, 2015, 7, plv127.	2.3	22
42	Wind pollination and propagule formation in Rhizophora mangle L. (Rhizophoraceae): resource or pollination limitation?. Anais Da Academia Brasileira De Ciencias, 2014, 86, 229-238.	0.8	21
43	The influence of nectar production and floral visitors on the female reproductive success ofInga(Fabaceae): a field experiment. Botanical Journal of the Linnean Society, 2015, 177, 230-245.	1.6	21
44	Seed removal by lizards and effect of gut passage on germination in a columnar cactus of the Caatinga, a tropical dry forest in Brazil. Journal of Arid Environments, 2016, 135, 85-89.	2.4	21
45	Bat pollination in the NE Brazilian endemic Mimosa lewisii: an unusual case and first report for the genus. Taxon, 2005, 54, 693-700.	0.7	20
46	Plantâ€“Animal Interactions in the Caatinga: Overview and Perspectives. , 2017, , 255-278.		20
47	Sabicea cinerea Aubl. (Rubiaceae): distilia e polinizaÃ§Ã£o em um fragmento de floresta AtlÃ¢ntica em Pernambuco, Nordeste do Brasil. Revista Brasileira De Botanica, 2004, 27, 193-204.	1.3	20
48	Biologia reprodutiva da "catingueira" (Caesalpinia pyramidalis Tul., Leguminosae-Caesalpinioideae), uma espÃ©cie endÃªmica da Caatinga. Revista Brasileira De Botanica, 2009, 32, .	1.3	19
49	High specialisation in the pollination system of <scp>M</scp>andevilla tenuifolia (J.C.) Tj ETQq1 1 0.784314 rgBT /Overlock 10 butterflies as pollinators. Plant Biology, 2014, 16, 947-955.	3.8	19
50	The North-east-Brazilian Liana, Adenocalymna dichilum (Bignoniaceae) Pollinated by Bats. Annals of Botany, 2004, 93, 609-613.	2.9	18
51	Floral traits and reproduction ofAvicennia schaueriana Moldenke (Acanthaceae): a generalist pollination system in the Lamiales. Plant Species Biology, 2013, 28, 70-80.	1.0	17
52	Souroubea guianensis Aubl.: Quest for its Legitimate Pollinator and the First Record of Tapetal Oil in the Marcgraviaceae. Annals of Botany, 2000, 85, 705-711.	2.9	16
53	Rodriguezia bahiensis Rchb. f. : biologia floral, polinizadores e primeiro registro de polinizaÃ§Ã£o por moscas Acroceridae em Orchidaceae. Revista Brasileira De Botanica, 2006, 29, 461.	1.3	16
54	Fenologia reprodutiva, biologia floral e polinizaÃ§Ã£o de Allamanda blanchetii, uma Apocynaceae endÃªmica da Caatinga. Revista Brasileira De Botanica, 2011, 34, 211-222.	1.3	16

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55	Nectar regulation in <scp>Euphorbia tithymaloides L</scp>., a hummingbirdâ€pollinated <scp>E</scp>uphorbiaceae. Plant Biology, 2013, 15, 910-918.	3.8	16
56	Notes on pollination ecology and floral scent chemistry of the rare neotropical orchid Catasetum galeritum <scp>R</scp>chb.f.. Plant Species Biology, 2018, 33, 158-163.	1.0	16
57	Short-distance pollen dispersal by bats in an urban setting: monitoring the movement of a vertebrate pollinator through fluorescent dyes. Urban Ecosystems, 2019, 22, 281-291.	2.4	16
58	Krameria tomentosa oil flowers and their pollinators: Bees specialized on trichome elaiophores exploit its epithelial oil glands. Flora: Morphology, Distribution, Functional Ecology of Plants, 2015, 215, 1-8.	1.2	15
59	Synchronous fruiting and common seed dispersers of two endemic columnar cacti in the Caatinga, a dry forest in Brazil. Plant Ecology, 2017, 218, 1325-1338.	1.6	14
60	Influence of environmental variation on the pollination of the ambophilous sedge Rhynchospora ciliata (Cyperaceae). Plant Ecology, 2018, 219, 241-250.	1.6	14
61	Flowers up! The effect of floral height along the shoot axis on the fitness of bat-pollinated species. Annals of Botany, 2019, 124, 809-818.	2.9	14
62	Saranthe klotzschiana (Koer.) Eichl. (Marantaceae) e seu mecanismo explosivo de polinizaÃ§Ã£o. Revista Brasileira De Botanica, 2004, 27, 757-765.	1.3	14
63	Biologia floral e heterostilia em Vismia guianensis (Aubl.) Choisy (Clusiaceae). Acta Botanica Brasilica, 1998, 12, 451-464.	0.8	13
64	Biologia reprodutiva de Byrsonima gardnerana A. Juss. (Malpighiaceae) e interaÃ§Ãµes com abelhas Centris (Centridini) no nordeste do Brasil. Revista Brasileira De Botanica, 2009, 32, .	1.3	13
65	A Semivolatile Floral Scent Marks the Shift to a Novel Pollination System in Bromeliads. Current Biology, 2021, 31, 860-868.e4.	3.9	13
66	Sexual dimorphism in floral scents of the neotropical orchid Catasetum arietinum and its possible ecological and evolutionary significance. AoB PLANTS, 2020, 12, .	2.3	12
67	Reproductive biology of Syagrus coronata (Arecaceae): sexâ€biased insect visitation and the unusual case of scent emission by peduncular bracts. Plant Biology, 2021, 23, 100-110.	3.8	12
68	Interpopulation variation in the sexual and pollination systems of two Combretaceae species in Brazilian mangroves. Aquatic Botany, 2014, 114, 35-41.	1.6	11
69	Comparative floral biology of Rhynchospora ciliata (Vahl) Kukenth and R. pubera (Vahl) Boeckeler (Cyperaceae): the role of white involucral bracts in attracting pollinating insects. Plant Species Biology, 2017, 32, 403-411.	1.0	11
70	Anthecology and reproductive system of Mourera fluviatilis (Podostemaceae): Pollination by bees and xenogamy in a predominantly anemophilous and autogamous family?. Aquatic Botany, 2011, 95, 77-87.	1.6	10
71	Floral polymorphism in Chamaecrista flexuosa (Fabaceae-Caesalpinioideae): a possible case of atypical enantiostyly?. Annals of Botany, 2013, 112, 1117-1123.	2.9	10
72	A scientific note on the occurrence of Euglossini bees in the Caatinga, a Brazilian tropical dry forest. Apidologie, 2007, 38, 472-473.	2.0	9

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73	Reproductive ecology of Ameroglossum pernambucense (Scrophulariaceae): is this ornithophilous and threatened shrub highly adapted to a naturally fragmented habitat?. Plant Systematics and Evolution, 2014, 300, 1099-1110.	0.9	9
74	Shining bright in the dusk: How do batâ€pollinated flowers reflect light?. Ecology, 2021, 102, e03416.	3.2	9
75	Auto-incompatibilidade em Miconia ciliata (L.C.Rich.) DC. (Micônieae - Melastomataceae). Acta Botanica Brasilica, 1998, 12, 113-120.	0.8	8
76	Contrasting bee pollination in two co-occurring distylic species of Cordia (Cordiaceae, Boraginales) in the Brazilian semi-arid Caatinga: generalist in C. globosa vs. specialist in C. leucocephala. Anais Da Academia Brasileira De Ciencias, 2010, 82, 881-891.	0.8	8
77	An explosion of perfume: Mass flowering and sphingophily in the Caatinga dry region in Brazil. Plant Species Biology, 2020, 35, 243-255.	1.0	8
78	A new case of late-acting self-incompatibility in Capparis L. (Brassicaceae): C. jacobinae Moric. ex Eichler, an endemic andromonoecious species of the Caatinga, Pernambuco State, Brazil. Acta Botanica Brasilica, 2009, 23, 764-768.	0.8	8
79	LimitaÃ§Ã£o de polinizadores e mecanismo de autoincompatibilidade de aÃ§Ã£o tardia como causas da baixa formaÃ§Ã£o de frutos em duas espÃ©cies simpÃ¡tricas de Inga (Fabaceae - Mimosoideae) na AmazÃ´nia Central. Rodriguesia, 2013, 64, 37-47.	0.9	7
80	Bee pollination and evidence of substitutive nectary in Anadenanthera colubrina (Leguminosae-Mimosoideae). Arthropod-Plant Interactions, 2017, 11, 263-271.	1.1	7
81	Ipomoea vespertilia (Convolvulaceae), a new species revealed by pollinator observation. Brittonia, 2019, 71, 190-195.	0.2	7
82	It's raining fragrant nectar in the Caatinga: evidence of nectar olfactory signaling in batâ€pollinated flowers. Ecology, 2020, 101, e02914.	3.2	7
83	Unraveling the Olfactory Biases of Male Euglossine Bees: Species-Specific Antennal Responses and Their Evolutionary Significance for Perfume Flowers. Frontiers in Ecology and Evolution, 2021, 9, .	2.2	7
84	Sistemas de polinizaÃ§Ã£o e de reproduÃ§Ã£o de trÃªs espÃ©cies de Jatropha (Euphorbiaceae) na Caatinga, semi-Ã¡rido do Brasil. Revista Brasileira De Botanica, 2011, 34, 553-563.	1.3	6
85	Hawkmoth fauna (Sphingidae, Lepidoptera) in a semi-deciduous rainforest remnant: composition, temporal fluctuations, and new records for northeastern Brazil. Anais Da Academia Brasileira De Ciencias, 2013, 85, 1177-1188.	0.8	6
86	Beyond taxonomy: anther skirt is a diagnostic character that provides specialized noctuid pollination in Marsdenia megalantha (Asclepiadoideaeâ€“Apocynaceae). Plant Systematics and Evolution, 2019, 305, 103-114.	0.9	6
87	The dark side of the rain: self-pollination setbacks due to water exposure in Pavonia varians Moric (Malvaceae), a species with rain-dependent flowering. Acta Botanica Brasilica, 2020, 34, 437-441.	0.8	6
88	Biologia da polinizaÃ§Ã£o e da reproduÃ§Ã£o de trÃªs espÃ©cies de Combretum Loefl. (Combretaceae). Revista Brasileira De Botanica, 2001, 24, .	1.3	6
89	A Continuum of Conspicuousness, Floral Signals, and Pollination Systems in Rhynchospora (Cyperaceae): Evidence of Ambophily and Entomophily in a Mostly Anemophilous Family. Annals of the Missouri Botanical Garden, 0, 106, 372-391.	1.3	6
90	Dioecy in the Caatinga, a Brazilian tropical dry forest: typical reproductive traits of a low frequent sexual system. Plant Systematics and Evolution, 2014, 300, 1299-1311.	0.9	5

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91	Pollination of Aosa rupestris (Hook.) Weigend (Loasaceae): are stamen movements induced by pollinators?. Revista Brasileira De Botanica, 2016, 39, 559-567.	1.3	5
92	Pin-monomorphism in Palicourea crocea (SW.) Roem. & Schult. (Rubiaceae): reproductive traits and role of floral visitors. Revista Brasileira De Botanica, 2017, 40, 1063-1070.	1.3	5
93	Nymphaea pulchella (Nymphaeaceae) and Trigona spinipes (Apidae) interaction: From florivory to effective pollination in ponds surrounded by pasture. Aquatic Botany, 2020, 166, 103267.	1.6	5
94	At the beginning and at the end: Combined mechanisms of prior and delayed self-pollination interact to make a â€œwinnerâ€•species. Flora: Morphology, Distribution, Functional Ecology of Plants, 2018, 249, 24-30.	1.2	4
95	Visual and olfactory floral cues related to ambophilous pollination systems in Poaceae. Botanical Journal of the Linnean Society, 0, , .	1.6	4
96	â€œSweet Rainâ€•from Bat-Pollinated Flowers: How Does Sugar Concentration Modulate Nectar Retention?. International Journal of Plant Sciences, 2021, 182, 71-77.	1.3	4
97	The pollination seesaw of Rhynchospora cephalotes (<scp>L.</scp>) <scp>V</scp>ahl (<scp>C</scp>yperaceae): Influence of plant location on the role of wind and insects as pollen vectors. Plant Species Biology, 2021, 36, 503-511.	1.0	4
98	A nectar oasis for urban Glossophaginae bats: Temporal resource dynamics of the chiropterophilous Crescentia cujete (Bignoniaceae). Urban Forestry and Urban Greening, 2022, 67, 127412.	5.3	4
99	Mixed pollination system and floral signals ofPaepalanthus(Eriocaulaceae): insects and geitonogamy ensure high reproductive success. Annals of Botany, 2022, 129, 473-484.	2.9	4
100	Nectar secretion patterns are associated to nectar accessibility in a guild of crepuscular-nocturnal flowering plants. Plant Ecology, 2022, 223, 951-964.	1.6	4
101	Fenologia reprodutiva, biologia floral e polinizadores de duas espÃ©cies simpÃ¡tricas de Marantaceae em um fragmento de Floresta AtlÃ¢ntica, Nordeste do Brasil. Revista Brasileira De Botanica, 2007, 30, .	1.3	3
102	It's Raining Fragrant Nectar in the Caatinga: Evidence of Nectar Olfactory Signaling in Batâ€Pollinated Flowers. Bulletin of the Ecological Society of America, 2020, 101, e01640.	0.2	3
103	Pollination of the strongly scented Sarcoglottis acaulis (Orchidaceae) by male orchid bees: nectar as resource instead ofÂperfume. Plant Biology, 2021, 23, 719-727.	3.8	3
104	Nocturnal ant integrates generalist pollination system in the Caatinga dry forest. Brazilian Journal of Biology, 2021, 82, e235508.	0.9	3
105	PolinizaÃ§Ã£o por vibraÃ§Ã£o e sistema reprodutivo de duas espÃ©cies de Sauvagesia L. (Ochnaceae). Revista Brasileira De Botanica, 2005, 28, .	1.3	3
106	Development of 15 SSR polymorphic markers for the endangered Ameroglossum pernambucense Eb. Fischer, S. Vogel & A. V. Lopes (Scrophulariaceae), and cross-transferability in congeneric taxa. Revista Brasileira De Botanica, 2017, 40, 1007-1011.	1.3	2
107	Staminode of Jacaranda rugosa A.H. Gentry (Bignoniaceae) promotes functional specialization by ensuring signaling and mechanical fit to medium-sized bees. Organisms Diversity and Evolution, 2022, 22, 527-541.	1.6	2
108	Get There Early to Photograph Bats Pollinating Flowers in the Field. Bulletin of the Ecological Society of America, 2021, 102, e01911.	0.2	1

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109	InteraÃ§Ãµes planta-animal na Caatinga: visÃ£o geral e perspectivas futuras. CiÃªncia E Cultura, 2018, 70, 35-40.	0.0	1
110	Few plants and one dominant fly shape a unique pollination network in a Neotropical mangrove. Aquatic Botany, 2022, 180, 103526.	1.6	1
111	Phenology, abundance and efficiency of pollinators drive the reproductive success of Sarcoglottis acaulis (Orchidaceae) at the Atlantic Forest. Acta Botanica Brasilica, 0, 36, .	0.8	0