

# Breno M Freitas

## List of Publications by Year in descending order

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77  
papers

5,773  
citations

218381

26  
h-index

91712

69  
g-index

79  
all docs

79  
docs citations

79  
times ranked

5607  
citing authors

#	ARTICLE	IF	CITATIONS
1	Notes on the biology of <i>Scaura</i> (Hymenoptera: Apidae: Meliponini). Journal of Apicultural Research, 2023, 62, 47-63.	0.7	2
2	<scp>CropPol</scp>: A dynamic, open and global database on crop pollination. Ecology, 2022, 103, e3614.	1.5	19
3	Don't stay out too long! Thermal tolerance of the stingless bees <i>Melipona subnitida</i> decreases with increasing exposure time to elevated temperatures. Apidologie, 2021, 52, 218-229.	0.9	18
4	Thermoregulation in the large carpenter bee <i>Xylocopa frontalis</i> in the face of climate change in the Neotropics. Apidologie, 2021, 52, 341-357.	0.9	14
5	Richness and distribution of the meliponine fauna (Hymenoptera: Apidae: Meliponini) in the State of Ceará, Brazil. Anais Da Academia Brasileira De Ciencias, 2021, 93, .	0.3	2
6	Wild insect diversity increases inter-annual stability in global crop pollinator communities. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20210212.	1.2	43
7	Negative impacts of dominance on bee communities: Does the influence of invasive honey bees differ from native bees?. Ecology, 2021, 102, e03526.	1.5	19
8	Forecasting sudden drops of temperature in pre-overwintering honeybee colonies. Biosystems Engineering, 2021, 209, 315-321.	1.9	3
9	A method for mining combined data from in-hive sensors, weather and apiary inspections to forecast the health status of honey bee colonies. Computers and Electronics in Agriculture, 2020, 169, 105161.	3.7	50
10	A cluster-classification method for accurate mining of seasonal honey bee patterns. Ecological Informatics, 2020, 59, 101107.	2.3	9
11	Trap nest preference of solitary bees in fragments of the Baturitá massif, Atlantic Forest, Brazil. Anais Da Academia Brasileira De Ciencias, 2020, 92, e20180558.	0.3	3
12	BeeNotified! A Notification System of Physical Quantities for Beehives Remote Monitoring. Revista De Informatica Teorica E Aplicada, 2020, 27, 50-61.	0.2	0
13	Flight Activity of the Stingless Bee <i>Plebeia aff. flavocincta</i> in Tropical Conditions as Indicator of the General Health of the Colony. Sociobiology, 2020, 67, 545-553.	0.2	8
14	Stingless bee (Apidae, Meliponini) guilds occurring in the immediate edges of forest fragments of the Baturitá Massif, State of Ceará, Brazil. Anais Da Academia Brasileira De Ciencias, 2020, 92, e20181303.	0.3	0
15	Pollinating potential of bee floral visitors of <i>Spondias mombin</i> (Anacardiaceae) cultivated in northeastern Brazil. Research, Society and Development, 2020, 9, e7389108999.	0.0	0
16	Method for characterization of volatile organic compounds in the diet of <i>Centris analis</i> (Hymenoptera, Apidae, Centridini) immatures. Research, Society and Development, 2020, 9, e5069108880.	0.0	0
17	A global synthesis reveals biodiversity-mediated benefits for crop production. Science Advances, 2019, 5, eaax0121.	4.7	524
18	Data relating to threats to passion fruit production in the Neotropics due to agricultural area loss and pollinator mismatch as consequence of climate changes. Data in Brief, 2019, 23, 103802.	0.5	2

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19	Landscape genomics to the rescue of a tropical bee threatened by habitat loss and climate change. <i>Evolutionary Applications</i> , 2019, 12, 1164-1177.	1.5	41
20	Pollinator size and its consequences: Robust estimates of body size in pollinating insects. <i>Ecology and Evolution</i> , 2019, 9, 1702-1714.	0.8	69
21	Pesticide Exposure Assessment Paradigm for Stingless Bees. <i>Environmental Entomology</i> , 2019, 48, 36-48.	0.7	53
22	Agricultural area losses and pollinator mismatch due to climate changes endanger passion fruit production in the Neotropics. <i>Agricultural Systems</i> , 2019, 169, 49-57.	3.2	14
23	Foraging behavior of the small-sized stingless bee <i>Plebeia aff. flavocincta</i> . <i>Revista Ciencia Agronomica</i> , 2019, 50, .	0.1	9
24	Floral biology, pollination requirements and behavior of floral visitors in two species of pitaya. <i>Revista Ciencia Agronomica</i> , 2019, 50, .	0.1	6
25	Nesting and reproductive habits of the solitary bee <i>Centris analis</i> in trap nests under a tropical climate. <i>Revista Ciencia Agronomica</i> , 2019, 50, .	0.1	2
26	Bionomic Aspects of the Solitary Bee <i>Tetrapedia diversipes</i> Klug, 1810 (Hymenoptera: Apidae:). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462</i>	0.2	1
27	Reconhecimento de padrões sazonais em colônias de abelhas <i>Apis mellifera</i> via clusterização. <i>Revista Brasileira De Computação Aplicada</i> , 2018, 10, 74-88.	0.1	1
28	Data Mining to Characterize Seasonal Patterns of <i>Apis mellifera</i> Honey Bee Colonies. , 2018, , .		0
29	Evaluation of Headspace Solid-Phase Microextraction Gas Chromatography–Mass Spectrometry for the Characterization of Volatile Organic Compounds from Melon ( <i>Cucumis melo</i> L.) Flowers. <i>Chromatographia</i> , 2018, 81, 1231-1239.	0.7	10
30	Nectar production dynamics and daily pattern of pollinator visits in Brazil nut ( <i>Bertholletia excelsa</i> ) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 18</i>	0.9	18
31	External activity of colonies of <i>Melipona quinquefasciata</i> managed in different types of beehive. <i>Revista Ciencia Agronomica</i> , 2018, 49, .	0.1	1
32	A global synthesis of the effects of diversified farming systems on arthropod diversity within fields and across agricultural landscapes. <i>Global Change Biology</i> , 2017, 23, 4946-4957.	4.2	259
33	First record of the stingless bee <i>Lestrimelitta rufa</i> (Fries) (Hymenoptera: Apidae: Meliponini) in NE Brazil and its cleptobiotic behavior. <i>Sociobiology</i> , 2017, 64, 359.	0.2	4
34	Size and Sex-Dependent Shrinkage of Dutch Bees during One-and-a-Half Centuries of Land-Use Change. <i>PLoS ONE</i> , 2016, 11, e0148983.	1.1	43
35	Mutually beneficial pollinator diversity and crop yield outcomes in small and large farms. <i>Science</i> , 2016, 351, 388-391.	6.0	342
36	Non-bee insects are important contributors to global crop pollination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 146-151.	3.3	618

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37	A horizon scan of future threats and opportunities for pollinators and pollination. PeerJ, 2016, 4, e2249.	0.9	115
38	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.	1.9	136
39	Pollination requirements of seeded and seedless mini watermelon varieties cultivated under protected environment. Pesquisa Agropecuaria Brasileira, 2015, 50, 44-53.	0.9	13
40	The Dependence of Crops for Pollinators and the Economic Value of Pollination in Brazil. Journal of Economic Entomology, 2015, 108, 849-857.	0.8	164
41	Bee-flower association in the Neotropics: implications to bee conservation and plant pollination. Apidologie, 2015, 46, 530-541.	0.9	22
42	Nesting Behavior and Colony Description of the Neotropical Bombus (Thoracobombus) brevivillus in Northeastern Brazil. Journal of Insect Behavior, 2015, 28, 297-302.	0.4	4
43	Adaptive and Foraging Behavior of Two Stingless Bee Species in Greenhouse Mini Watermelon Pollination. Sociobiology, 2015, 61, .	0.2	13
44	Bees for Development: Brazilian Survey Reveals How to Optimize Stingless Beekeeping. PLoS ONE, 2015, 10, e0121157.	1.1	122
45	&lt;b>Floral Biology and pollination requirements of sesame (&i>Sesamum indicum&/i>) Tj ETQq1 1 0.784314 rgBT /Ove	0.3	8
46	Oil collecting bees and Byrsonima cydoniifolia A. Juss. (Malpighiaceae) interactions: the prevalence of long-distance cross pollination driving reproductive success. Anais Da Academia Brasileira De Ciencias, 2014, 86, 347-358.	0.3	15
47	Angiosperm flora used by meliponine guilds (Apidae, Meliponina) occurring at rainforest edges in the state of Cear�, Brazil. Anais Da Academia Brasileira De Ciencias, 2014, 86, 1395-1410.	0.3	4
48	Introducing nests of the oil-collecting bee Centris analis (Hymenoptera: Apidae: Centridini) for pollination of acerola (Malpighia emarginata) increases yield. Apidologie, 2013, 44, 234-239.	0.9	31
49	Wild Pollinators Enhance Fruit Set of Crops Regardless of Honey Bee Abundance. Science, 2013, 339, 1608-1611.	6.0	1,767
50	Higher soybean production using honeybee and wild pollinators, a sustainable alternative to pesticides and autopollination. Environmental Chemistry Letters, 2013, 11, 335-341.	8.3	78
51	Standard methods for pollination research with <i>Apis mellifera</i>. Journal of Apicultural Research, 2013, 52, 1-28.	0.7	200
52	Internal ambience of bee colonies submitted to strengthening management by adding broods. Engenharia Agricola, 2013, 33, 902-909.	0.2	2
53	Apis mellifera pollination improves agronomic productivity of anemophilous castor bean (Ricinus) Tj ETQq1 1 0.784314 rgBT /Overloc	0.3	21
54	Ipomoea bahiensis pollinators: Bees or butterflies?. Flora: Morphology, Distribution, Functional Ecology of Plants, 2011, 206, 662-667.	0.6	11

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55	Produção de mel por abelhas africanizadas em plantio de mamoneira. <i>Ciencia Rural</i> , 2009, 39, 1195-1200.	0.3	4
56	Chemical composition, botanical evaluation and screening of radical scavenging activity of collected pollen by the stingless bees <i>Melipona rufiventris</i> (Uruçu-amarela). <i>Anais Da Academia Brasileira De Ciencias</i> , 2009, 81, 173-178.	0.3	46
57	Diversity, threats and conservation of native bees in the Neotropics. <i>Apidologie</i> , 2009, 40, 332-346.	0.9	215
58	Genetic variability in <i>Melipona quinquefasciata</i> (Hymenoptera, Apidae, Meliponini) from northeastern Brazil determined using the first internal transcribed spacer (ITS1). <i>Genetics and Molecular Research</i> , 2009, 8, 641-648.	0.3	4
59	Efeito tóxico de alimentos alternativos para abelhas <i>Apis mellifera</i> . <i>Ciencia Rural</i> , 2007, 37, 533-538.	0.3	1
60	Requerimentos de polinização da goiabeira. <i>Ciencia Rural</i> , 2007, 37, 1281-1286.	0.3	24
61	Desenvolvimento de colônias de abelhas com diferentes alimentos protéicos. <i>Pesquisa Agropecuaria Brasileira</i> , 2006, 41, 1-7.	0.9	25
62	Intraspecific variation in the first internal transcribed spacer (ITS1) of the nuclear ribosomal DNA in <i>Melipona subnitida</i> (Hymenoptera, Apidae), an endemic stingless bee from northeastern Brazil. <i>Apidologie</i> , 2006, 37, 376-386.	0.9	14
63	Chemical composition and free radical scavenging activity of pollen loads from stingless bee <i>Melipona subnitida</i> Ducke. <i>Journal of Food Composition and Analysis</i> , 2006, 19, 507-511.	1.9	116
64	Pollination efficiency of the stingless bee <i>Melipona subnitida</i> on greenhouse sweet pepper. <i>Pesquisa Agropecuaria Brasileira</i> , 2005, 40, 1197-1201.	0.9	54
65	Produção e desenvolvimento de colônias de abelhas africanizadas ( <i>Apis mellifera</i> L.) a partir de diferentes áreas e idades de cria. <i>Ciencia Rural</i> , 2004, 34, 545-549.	0.3	5
66	Colonização e biologia reprodutiva de mamangavas ( <i>Xylocopa frontalis</i> ) em um modelo de ninho racional. <i>Ciencia Rural</i> , 2003, 33, 693-697.	0.3	20
67	Flavonoides isolados do pólen coletado pela abelha <i>Scaptotrigona bipunctata</i> (canudo). <i>Revista Brasileira De Farmacognosia</i> , 2003, 13, 40-41.	0.6	10
68	Ninhos racionais para mamangava ( <i>Xylocopa frontalis</i> ) na polinização do maracujá-amarelo ( <i>Passiflora edulis</i> ). <i>Ciencia Rural</i> , 2003, 33, 1135-1139.	0.3	34
69	Low seed/nut productivity in cashew ( <i>Anacardium occidentale</i> ): Effects of self-incompatibility and honey bee ( <i>Apis mellifera</i> ) foraging behaviour. <i>Journal of Horticultural Science and Biotechnology</i> , 2002, 77, 226-231.	0.9	15
70	Occurrence and biogeographic aspects of <i>Melipona quinquefasciata</i> in NE Brazil (Hymenoptera, Tj ETQq0 0 0 rgBT/Overlock, 10 Tf 50 1	0.4	14
71	Pollination requirements of West Indian cherry ( <i>Malpighia emarginata</i> ) and its putative pollinators, Centris bees, in NE Brazil. <i>Journal of Agricultural Science</i> , 1999, 133, 303-311.	0.6	31
72	A comparison of two pollinators: the introduced honey bee <i>Apis mellifera</i> and an indigenous bee <i>Centris tarsata</i> on cashew <i>Anacardium occidentale</i> in its native range of NE Brazil. <i>Journal of Applied Ecology</i> , 1998, 35, 109-121.	1.9	104

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73	Number and distribution of cashew ( <i>Anacardium occidentale</i> ) pollen grains on the bodies of its pollinators, <i>Apis mellifera</i> and <i>Centris tarsata</i> . Journal of Apicultural Research, 1997, 36, 15-22.	0.7	21
74	The role of wind and insects in cashew ( <i>Anacardium occidentale</i> ) pollination in NE Brazil. Journal of Agricultural Science, 1996, 126, 319-326.	0.6	47
75	Beekeeping and Cashew in North-Eastern Brazil: The Balance of Honey and Nut Production. Bee World, 1994, 75, 160-168.	0.3	13
76	Do euglossine females reside in a single nest? Notes on <i>Euglossa cordata</i> (Hymenoptera: Apidae:). Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.5	0
77	DetecÃ§Ã£o de Anomalias em PadrÃµes AcÃ©sticos, de Temperatura e Umidade Sazonais para Abelhas MelÃferas ( <i>Apis mellifera</i> L.). , 0, , .		0