

# Antonio M Saraiva

## List of Publications by Year in descending order

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Version: 2024-02-01

85  
papers

2,121  
citations

257101

24  
h-index

253896

43  
g-index

85  
all docs

85  
docs citations

85  
times ranked

2914  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mutually beneficial pollinator diversity and crop yield outcomes in small and large farms. <i>Science</i> , 2016, 351, 388-391.	6.0	342
2	The Dependence of Crops for Pollinators and the Economic Value of Pollination in Brazil. <i>Journal of Economic Entomology</i> , 2015, 108, 849-857.	0.8	164
3	From wireless sensors to field mapping: Anatomy of an application for precision agriculture. <i>Computers and Electronics in Agriculture</i> , 2007, 58, 25-36.	3.7	135
4	Crop pollinators in Brazil: a review of reported interactions. <i>Apidologie</i> , 2015, 46, 209-223.	0.9	133
5	Improving species distribution models using biotic interactions: a case study of parasites, pollinators and plants. <i>Ecography</i> , 2013, 36, 649-656.	2.1	129
6	Pollination services at risk: Bee habitats will decrease owing to climate change in Brazil. <i>Ecological Modelling</i> , 2012, 244, 127-131.	1.2	125
7	Worldwide Phylogenetic Group Patterns of <i>Escherichia coli</i> from Commensal Human and Wastewater Treatment Plant Isolates. <i>Frontiers in Microbiology</i> , 2017, 8, 2512.	1.5	77
8	An infrastructure for the development of distributed service-oriented information systems for precision agriculture. <i>Computers and Electronics in Agriculture</i> , 2007, 58, 37-48.	3.7	76
9	Native and Non-Native Supergeneralist Bee Species Have Different Effects on Plant-Bee Networks. <i>PLoS ONE</i> , 2015, 10, e0137198.	1.1	76
10	Projected climate change threatens pollinators and crop production in Brazil. <i>PLoS ONE</i> , 2017, 12, e0182274.	1.1	69
11	Desafios atuais da modelagem preditiva de distribuição de espécies. <i>Rodriguesia</i> , 2012, 63, 733-749.	0.9	54
12	Climate change in the Eastern Amazon: crop-pollinator and occurrence-restricted bees are potentially more affected. <i>Regional Environmental Change</i> , 2020, 20, 1.	1.4	54
13	Identifying the areas to preserve passion fruit pollination service in Brazilian Tropical Savannas under climate change. <i>Agriculture, Ecosystems and Environment</i> , 2013, 171, 39-46.	2.5	45
14	A conceptual framework for quality assessment and management of biodiversity data. <i>PLoS ONE</i> , 2017, 12, e0178731.	1.1	42
15	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
16	Best practice for the use of scenarios for restoration planning. <i>Current Opinion in Environmental Sustainability</i> , 2017, 29, 14-25.	3.1	40
17	Unveiling the contribution of bee pollinators to Brazilian crops with implications for bee management. <i>Apidologie</i> , 2020, 51, 406-421.	0.9	39
18	Worldwide Alien Invasion: A Methodological Approach to Forecast the Potential Spread of a Highly Invasive Pollinator. <i>PLoS ONE</i> , 2016, 11, e0148295.	1.1	37

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19	Safeguarding Ecosystem Services: A Methodological Framework to Buffer the Joint Effect of Habitat Configuration and Climate Change. PLoS ONE, 2015, 10, e0129225.	1.1	34
20	Protecting a managed bee pollinator against climate change: strategies for an area with extreme climatic conditions and socioeconomic vulnerability. Apidologie, 2017, 48, 784-794.	0.9	32
21	A reference process for automating bee species identification based on wing images and digital image processing. Ecological Informatics, 2014, 24, 248-260.	2.3	30
22	Ecological niche modeling and geographical distribution of pollinator and plants: A case study of <i>Peponapis fervens</i> (Smith, 1879) (Eucerini: Apidae) and <i>Cucurbita</i> species (Cucurbitaceae). Ecological Informatics, 2010, 5, 59-66.	2.3	29
23	Bat diversity in Carajás National Forest (Eastern Amazon) and potential impacts on ecosystem services under climate change. Biological Conservation, 2018, 218, 200-210.	1.9	29
24	The São Paulo Declaration on Planetary Health. Lancet, The, 2021, 398, 1299.	6.3	29
25	Climate Warming May Threaten Reproductive Diapause of a Highly Eusocial Bee. Environmental Entomology, 2015, 44, 1172-1181.	0.7	26
26	A reference business process for ecological niche modelling. Ecological Informatics, 2008, 3, 75-86.	2.3	24
27	A Buzz for Sustainability and Conservation: The Growing Potential of Citizen Science Studies on Bees. Sustainability, 2021, 13, 959.	1.6	22
28	Ecological niche similarities of <i>Peponapis</i> bees and non-domesticated <i>Cucurbita</i> species. Ecological Modelling, 2011, 222, 2011-2018.	1.2	18
29	Análise de redes sociais como estratégia de apoio à vigilância em saúde durante a Covid-19. Estudos Avancados, 2020, 34, 261-282.	0.2	17
30	Interactions at large spatial scale: The case of Centris bees and floral oil producing plants in South America. Ecological Modelling, 2013, 258, 74-81.	1.2	16
31	Gaps and limitations in the use of restoration scenarios: a review. Restoration Ecology, 2018, 26, 1108-1119.	1.4	15
32	Developing Standards for Improved Data Quality and for Selecting Fit for Use Biodiversity Data. Biodiversity Information Science and Standards, 0, 4, .	0.0	15
33	Wild bees of Chile: a database on taxonomy, sociality, and ecology. Ecology, 2021, 102, e03377.	1.5	10
34	Ecological niche modeling and principal component analysis of <i>Krameria</i> Loeffl. (Krameriaceae). Journal of Arid Environments, 2011, 75, 870-872.	1.2	9
35	Areas Requiring Restoration Efforts are a Complementary Opportunity to Support the Demand for Pollination Services in Brazil. Environmental Science & Technology, 2021, 55, 12043-12053.	4.6	9
36	Inferring trends in pollinator distributions across the Neotropics from publicly available data remains challenging despite mobilization efforts. Diversity and Distributions, 2022, 28, 1404-1415.	1.9	9

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37	Data Quality Control in Biodiversity Informatics: The Case of Species Occurrence Data. IEEE Latin America Transactions, 2014, 12, 683-693.	1.2	7
38	Adaptive Automata Applied on Automation and Robotics (A4R). IEEE Latin America Transactions, 2007, 5, 539-543.	1.2	5
39	Estudo comparativo do diagnóstico de câncer pulmonar entre tomografia computadorizada e broncoscopia. Radiologia Brasileira, 2010, 43, 229-235.	0.3	5
40	Clustering of water bodies in unpolluted and polluted environments based on Escherichia coli phylogroup abundance using a simple interaction database. Genetics and Molecular Biology, 2014, 37, 694-701.	0.6	5
41	A Reference Process for Management Zones Delineation in Precision Agriculture. IEEE Latin America Transactions, 2015, 13, 727-738.	1.2	5
42	Controle de qualidade de monitores de diagnóstico por imagem e iluminação nos espaços de pós-processamento em serviços de imagiologia. Radiologia Brasileira, 2012, 45, 29-34.	0.3	5
43	A Methodology for Applying Social Network Analysis Metrics to Biological Interaction Networks. , 2015, , .		4
44	Social Network Analysis Metrics and Their Application in Microbiological Network Studies. Studies in Computational Intelligence, 2014, , 251-260.	0.7	4
45	Interfaces à transmissão e spillover do coronavírus entre florestas e cidades. Estudos Avancados, 2020, 34, 191-208.	0.2	4
46	A Weighing System for Grab Loaders for Sugar Cane Yield Mapping. Precision Agriculture, 2000, 2, 293-309.	3.1	2
47	Ad Hoc Wireless Sensor Networks Applied to Animal Welfare Research. , 2008, , .		2
48	A Reference Process to Design Information Systems for Sustainable Design Based on LCA, PSS, Social and Economic Aspects. International Federation for Information Processing, 2010, , 269-280.	0.4	2
49	Evaluation of an ICP Based Algorithm for Simultaneous Localization and Mapping Using a 3D Simulated P3DX Robot. , 2010, , .		2
50	Evaluation of Adaptive Genetic Algorithm to Environmental Modeling of Peponapis and Cucurbita. IEEE Latin America Transactions, 2011, 9, 171-177.	1.2	2
51	A Methodology for Applying Social Network Analysis Metrics on Biodiversity. IEEE Latin America Transactions, 2015, 13, 3026-3037.	1.2	2
52	Data Reliability in a Citizen Science Protocol for Monitoring Stingless Bees Flight Activity. Insects, 2021, 12, 766.	1.0	2
53	Plant-pollinator Vocabulary - a Contribution to Interaction Data Standardization. Biodiversity Information Science and Standards, 0, 5, .	0.0	2
54	Evaluating multipath routing protocols to improve video transmission for precision agriculture. , 2014, , .		1

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55	PlayGround 2.0: Simulating behavior decisions with trust and control computations. , 2016, , .		1
56	Species Distribution Modeling with Scalability: The Case Study of P-GARP, a Parallel Genetic Algorithm for Rule-Set Production. , 2017, , .		1
57	The Need of Species Distribution Models Metadata: Using Species Distribution Model to Address Decision Making on Climate Change. Biodiversity Information Science and Standards, 0, 2, e25478.	0.0	1
58	Communication Protocols for Application in Agricultural Vehicles. , 2003, , 435-450.		1
59	Computational Techniques for Biologic Species Distribution Modeling. , 2011, , 308-325.		1
60	Brazilian Plant-Pollinator Interactions Network: definition of a data standard for digitization, sharing, and aggregation of plant-pollinator interaction data. Biodiversity Information Science and Standards, 0, 1, e20298.	0.0	1
61	A Multi-platform Mobile Application to Collect Citizen Science Data for Bignoniaceae Phenological Research. Biodiversity Information Science and Standards, 0, 2, e25582.	0.0	1
62	Linking Agrobiodiversity Data through Metadata Standards. Biodiversity Information Science and Standards, 0, 4, .	0.0	1
63	A Google Sheet Add-on for Biodiversity Data Standardization and Sharing. Biodiversity Information Science and Standards, 0, 4, .	0.0	1
64	Continental Malacoculture Chain Modeling and Traceability Requirements. , 0, , .		0
65	Information Systems Traceability based on Ontology for Fish Farming Productive Chain. , 0, , .		0
66	An Open-Top Chamber Model For CO2 Injection Control. , 0, , .		0
67	A security architecture for sharing distributed biodiversity databases. , 0, , .		0
68	A Weblab For Research And Education On Native Bees. , 0, , .		0
69	SOC & SOA in Ecological Niche Modelling and Agribusiness: Discussion and Case Studies. , 2009, , .		0
70	Specification of SOA Components and Web Services to Integrate Ecological Niche Modelling Systems and IABIN-PTN. , 2009, , .		0
71	A complete RM-ODP case-study to integrate geospatial services and ecological niche modeling systems. , 2012, , .		0
72	Parallelization in Predicting Species Distribution. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
73	Toward a Biodiversity Data Fitness for Use Backbone (FFUB): A Node.js module prototype. Biodiversity Information Science and Standards, 0, 1, e20300.	0.0	0
74	Defining a Data Quality (DQ) profile and DQ report using a prototype of Node.js module of the Fitness for Use Backbone (FFUB). Biodiversity Information Science and Standards, 0, 1, e20275.	0.0	0
75	Brazilian Network on Plant-Pollinator Interactions: an update on the initiative of a standard for plant-pollinator interactions data. Biodiversity Information Science and Standards, 0, 2, e25343.	0.0	0
76	New Requirements of Biodiversity Research for Metadata on Models and Sensors on the Internet of Things and Big Data Era. Biodiversity Information Science and Standards, 0, 2, e25653.	0.0	0
77	Role of species: traits, interactions and ecosystem services. Biodiversity Information Science and Standards, 0, 2, e25345.	0.0	0
78	The Online Pollen Catalogs Network (RCPol) data quality assurance system. Biodiversity Information Science and Standards, 0, 2, e25657.	0.0	0
79	The Online Pollen Catalogs Network (RCPol). Biodiversity Information Science and Standards, 0, 2, e25658.	0.0	0
80	Natural History Collection Data: Traits to Identify Plant-Pollinator Interactions in a Spatial Context. Biodiversity Information Science and Standards, 0, 2, e25857.	0.0	0
81	Biodiversity Informatics in Brazil: A personal perspective. Biodiversity Information Science and Standards, 0, 3, .	0.0	0
82	Global Biodiversity Knowledge Commons and Civil Society of the Global South. Biodiversity Information Science and Standards, 0, 3, .	0.0	0
83	Methodological principles to create a metadata extension to the Darwin Core standard for agrobiodiversity data. Brazilian Journal of Information Science, 2020, 14, e020015.	0.2	0
84	Biodiversity Climate Shifts: shaping data transformation and evaluation. Biodiversity Information Science and Standards, 0, 4, .	0.0	0
85	Sublinear evaluation of complex networks for extensive exploration of configurations for critical scenarios and decision making. , 2021, , .		0