FranÃ§ois Rebaudo

List of Publications by Year
in descending order

34 papers	929 citations	430874 18 h-index	477307 29 g-index
34 all docs	34 docs citations	34 times ranked	1368 citing authors

#	Article	IF	Citations
1	Modeling Temperature-Dependent Development Rate in Insects and Implications of Experimental Design. Environmental Entomology, 2022, 51, 132-144.	1.4	4
2	The Effect of Diet Interacting With Temperature on the Development Rate of a Noctuidae Quinoa Pest. Environmental Entomology, 2021, 50, 685-691.	1.4	2
3	Impact of an Exotic Invasive Pest, Spodoptera frugiperda (Lepidoptera: Noctuidae), on Resident Communities of Pest and Natural Enemies in Maize Fields in Kenya. Agronomy, 2021, 11, 1074.	3.0	14
4	Measuring ontogenetic shifts in centralâ€place foragers: A case study with honeybees. Journal of Animal Ecology, 2020, 89, 1860-1871.	2.8	9
5	Influence of Temperature on the Interaction for Resource Utilization between Fall Armyworm, Spodoptera frugiperda (Lepidoptera: Noctuidae), and a Community of Lepidopteran Maize Stemborers Larvae. Insects, 2020, 11, 73.	2.2	17
6	Competing Vegetation Structure Indices for Estimating Spatial Constrains in Carabid Abundance Patterns in Chinese Grasslands Reveal Complex Scale and Habitat Patterns. Insects, 2020, 11, 249.	2.2	8
7	Light and dark rhythms of pupal eclosion and egg hatching in tropical stem borersâ€™ moths. Phytoparasitica, 2020, 48, 415-425.	1.2	0
8	Carry-Over Niches for Lepidopteran Maize Stemborers and Associated Parasitoids during Non-Cropping Season. Insects, 2019, 10, 191.	2.2	8
9	Low-cost automatic temperature monitoring system with alerts for laboratory rearing units. MethodsX, 2019, 6, 2127-2133.	1.6	5
10	Carabid community structure in northern China grassland ecosystems: Effects of local habitat on species richness, species composition and functional diversity. PeerJ, 2019, 6, e6197.	2.0	24
11	Modelling temperatureâ€dependent development rate and phenology in arthropods: The <scp>devRate</scp> package for <scp>r</scp>. Methods in Ecology and Evolution, 2018, 9, 1144-1150.	5.2	40
12	Thermal pace-of-life strategies improve phenological predictions in ectotherms. Scientific Reports, 2018, 8, 15891.	3.3	4
13	Modeling temperatureâ€dependent development rate and phenology in insects: review of major developments, challenges, and future directions. Entomologia Experimentalis Et Applicata, 2018, 166, 607-617.	1.4	102
14	Relationship between temperature and development rate of Copitarsia incommoda (Lepidoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.2	5
15	Does heterogeneity in crop canopy microclimates matter for pests? Evidence from aerial high-resolution thermography. Agriculture, Ecosystems and Environment, 2017, 246, 124-133.	5.3	18
16	Market access and community size influence pastoral management of native and exotic livestock species: A case study in communities of the Cordillera Real in Bolivia's high Andean wetlands. PLoS ONE, 2017, 12, e0189409.	2.5	25
17	Microclimate Data Improve Predictions of Insect Abundance Models Based on Calibrated Spatiotemporal Temperatures. Frontiers in Physiology, 2016, 7, 139.	2.8	36
18	Direct and indirect effects of glaciers on aquatic biodiversity in high Andean peatlands. Global Change Biology, 2016, 22, 3196-3205.	9.5	20

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19	A toolbox for studying thermal heterogeneity across spatial scales: from unmanned aerial vehicle imagery toÂlandscape metrics. Methods in Ecology and Evolution, 2016, 7, 437-446.	5.2	63
20	Genetic variation in aggregation behaviour and interacting phenotypes in <i>Drosophila</i>. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20152967.	2.6	26
21	Logiques paysannes, production agricole et lutte contre les ravageurs des cultures Ã Salcedo dans les Andes Ã©quatoriennesÂ: stratÃ©gies individuelles ou collectivesÂ?. VertigO: La Revue Electronique En Sciences De L'environnement, 2016, , .	0.1	6
22	Adaptive management in crop pest control in the face of climate variability: an agent-based modeling approach. Ecology and Society, 2015, 20, .	2.3	11
23	Changes in the distribution of multispecies pest assemblages affect levels of crop damage in warming tropical Andes. Global Change Biology, 2015, 21, 82-96.	9.5	21
24	Simulating Population Genetics of Pathogen Vectors in Changing Landscapes: Guidelines and Application with Triatoma brasiliensis. PLoS Neglected Tropical Diseases, 2014, 8, e3068.	3.0	6
25	Obstacles to integrated pest management adoption in developing countries. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3889-3894.	7.1	199
26	Agent-Based Models and Integrated Pest Management Diffusion in Small Scale Farmer Communities. , 2014, , 367-383.		2
27	Responses of different geographic populations of two potato tuber moth species to genetic variants of <i><scp>P</scp>hthorimaea operculella granulovirus</i>. Entomologia Experimentalis Et Applicata, 2013, 149, 138-147.	1.4	3
28	Development of a viral biopesticide for the control of the Guatemala potato tuber moth Tecia solanivora. Journal of Invertebrate Pathology, 2013, 112, 184-191.	3.2	28
29	Sim<scp>A</scp>dapt: an individualâ€based genetic model for simulating landscape management impacts on populations. Methods in Ecology and Evolution, 2013, 4, 595-600.	5.2	32
30	An agent-based modeling framework for integrated pest management dissemination programs. Environmental Modelling and Software, 2013, 45, 141-149.	4.5	46
31	Modeling invasive species spread in complex landscapes: the case of potato moth in Ecuador. Landscape Ecology, 2011, 26, 1447-1461.	4.2	43
32	Coupled Information Diffusionâ€“Pest Dynamics Models Predict Delayed Benefits of Farmer Cooperation in Pest Management Programs. PLoS Computational Biology, 2011, 7, e1002222.	3.2	40
33	Agent-Based Modeling of Human-Induced Spread of Invasive Species in Agricultural Landscapes: Insights from the Potato Moth in Ecuador. Jasss, 2011, 14, .	1.8	22
34	Community-Based Participatory Research Helps Farmers and Scientists to Manage Invasive Pests in the Ecuadorian Andes. Ambio, 2010, 39, 325-335.	5.5	40