

# Thomas M Chappell

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7850765/publications.pdf>

Version: 2024-02-01

17  
papers

366  
citations

840728

11  
h-index

888047

17  
g-index

17  
all docs

17  
docs citations

17  
times ranked

477  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Fly in the Ointment: How to Predict Environmentally Driven Phenology of an Organism That Partially Regulates Its Microclimate. <i>Frontiers in Ecology and Evolution</i> , 2022, 10, .	2.2	1
2	A Practical Application of Unsupervised Machine Learning for Analyzing Plant Image Data Collected Using Unmanned Aircraft Systems. <i>Agronomy</i> , 2020, 10, 633.	3.0	9
3	Cotton thrips infestation predictor: a practical tool for predicting tobacco thrips ( <i>Frankliniella fusca</i> ) infestation of cotton seedlings in the southeastern United States. <i>Pest Management Science</i> , 2020, 76, 4018-4028.	3.4	7
4	Adding Epidemiologically Important Meteorological Data to Peanut Rx, the Risk Assessment Framework for Spotted Wilt of Peanut. <i>Phytopathology</i> , 2020, 110, 1199-1207.	2.2	7
5	Eco-efficiency as a strategy for optimizing the sustainability of pest management. <i>Pest Management Science</i> , 2019, 75, 3129-3134.	3.4	15
6	Perspective: service-based business models to incentivize the efficient use of pesticides in crop protection. <i>Pest Management Science</i> , 2019, 75, 2865-2872.	3.4	6
7	Social Ecological System Tools for Improving Crop Pest Management. <i>Journal of Integrated Pest Management</i> , 2019, 10, .	2.0	14
8	A thrips vector of tomato spotted wilt virus responds to tomato acylsugar chemical diversity with reduced oviposition and virus inoculation. <i>Scientific Reports</i> , 2019, 9, 17157.	3.3	17
9	Stability of neonicotinoid sensitivity in <i>Frankliniella fusca</i> populations found in agroecosystems of the southeastern USA. <i>Pest Management Science</i> , 2019, 75, 1539-1545.	3.4	3
10	Insecticide Resistance Signals Negative Consequences of Widespread Neonicotinoid Use on Multiple Field Crops in the U.S. Cotton Belt. <i>Environmental Science &amp; Technology</i> , 2018, 52, 2314-2322.	10.0	26
11	Combination of Acylglucose QTL reveals additive and epistatic genetic interactions and impacts insect oviposition and virus infection. <i>Molecular Breeding</i> , 2018, 38, 1.	2.1	31
12	Acylsugar amount and fatty acid profile differentially suppress oviposition by western flower thrips, <i>Frankliniella occidentalis</i> , on tomato and interspecific hybrid flowers. <i>PLoS ONE</i> , 2018, 13, e0201583.	2.5	28
13	<i>Frankliniella fusca</i> resistance to neonicotinoid insecticides: an emerging challenge for cotton pest management in the eastern United States. <i>Pest Management Science</i> , 2016, 72, 1934-1945.	3.4	62
14	Evolution of host range in <i>Coleosporium ipomoeae</i> , a plant pathogen with multiple hosts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 5346-5351.	7.1	24
15	Differential and Synergistic Functionality of Acylsugars in Suppressing Oviposition by Insect Herbivores. <i>PLoS ONE</i> , 2016, 11, e0153345.	2.5	75
16	Volatility of Mutator Phenotypes at Single Cell Resolution. <i>PLoS Genetics</i> , 2015, 11, e1005151.	3.5	15
17	Interacting Virus Abundance and Transmission Intensity Underlie Tomato Spotted Wilt Virus Incidence: An Example Weather-Based Model for Cultivated Tobacco. <i>PLoS ONE</i> , 2013, 8, e73321.	2.5	26