Charles H Opperman

List of Publications by Year
in descending order

19	878	840119 11	940134 16
papers	citations	h-index	g-index

56	56	56	1032
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sequence and genetic map of Meloidogyne hapla : A compact nematode genome for plant parasitism. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 14802-14807.	3.3	443
2	Development of Abamectin Loaded Plant Virus Nanoparticles for Efficacious Plant Parasitic Nematode Control. ACS Applied Materials & Interfaces, 2015, 7, 9546-9553.	4.0	76
3	Genetic Drift, Not Life History or RNAi, Determine Long-Term Evolution of Transposable Elements. Genome Biology and Evolution, 2016, 8, 2964-2978.	1.1	58
4	Recent advances in biodegradable matrices for active ingredient release in crop protection: Towards attaining sustainability in agriculture. Current Opinion in Colloid and Interface Science, 2020, 48, 121-136.	3.4	55
5	Disparate gain and loss of parasitic abilities among nematode lineages. PLoS ONE, 2017, 12, e0185445.	1.1	50
6	Electrospun Polymer Nanofibers as Seed Coatings for Crop Protection. ACS Sustainable Chemistry and Engineering, 2019, 7, 19848-19856.	3.2	46
7	THECAENORHABDITISELEGANSGENOME: A Guide in The Post Genomics Age. Annual Review of Phytopathology, 1999, 37, 247-265.	3.5	45
8	Development of abamectin loaded lignocellulosic matrices for the controlled release of nematicide for crop protection. Cellulose, 2016, 23, 673-687.	2.4	15
9	Spirotetramat causes an arrest of nematode juvenile development. Nematology, 2016, 18, 121-131.	0.2	14
10	The genome of the migratoryÂnematode, Radopholus similis, reveals signatures of close associationÂto the sedentary cyst nematodes. PLoS ONE, 2019, 14, e0224391.	1.1	13
11	Soybean cyst nematode culture collections and field populations from North Carolina and Missouri reveal high incidences of infection by viruses. PLoS ONE, 2017, 12, e0171514.	1.1	13
12	Tailored Lignocellulose-Based Biodegradable Matrices with Effective Cargo Delivery for Crop Protection. ACS Sustainable Chemistry and Engineering, 2020, 8, 6590-6600.	3.2	12
13	Cyst nematode bioâ€communication with plants: implications for novel management approaches. Pest Management Science, 2021, 77, 1150-1159.	1.7	11
14	Current Insights into Migratory Endoparasitism: Deciphering the Biology, Parasitism Mechanisms, and Management Strategies of Key Migratory Endoparasitic Phytonematodes. Plants, 2020, 9, 671.	1.6	10
15	Toward Sustainable Crop Protection: Aqueous Dispersions of Biodegradable Particles with Tunable Release and Rainfastness. Advanced Functional Materials, 2022, 32, .	7.8	6
16	Wrap-and-plant technology to manage sustainably potato cyst nematodes in East Africa. Nature Sustainability, 0, , .	11.5	5
17	A Draft Genome Sequence of the Burrowing Nematode Radopholus similis. Journal of Nematology, 2019, 51, 1-2.	0.4	4
18	Creating hierarchically porous banana paper-metal organic framework (MOF) composites with multifunctionality. Applied Materials Today, 2022, 28, 101517.	2.3	2

#	Article	IF	Citations
19	Toward Sustainable Crop Protection: Aqueous Dispersions of Biodegradable Particles with Tunable Release and Rainfastness (Adv. Funct. Mater. 18/2022). Advanced Functional Materials, 2022, 32, .	7.8	0