Mathieu Sicard

List of Publications by Year
in descending order

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47 papers	1,476 citations	304743 22 h-index	345221 36 g-index
50 all docs	50 docs citations	50 times ranked	1146 citing authors

#	Article	IF	Citations
1	The Toxinâ€“Antidote Model of Cytoplasmic Incompatibility: Genetics and Evolutionary Implications. Trends in Genetics, 2019, 35, 175-185.	6.7	111
2	Stages of Infection during the Tripartite Interaction between Xenorhabdus nematophila , Its Nematode Vector, and Insect Hosts. Applied and Environmental Microbiology, 2004, 70, 6473-6480.	3.1	108
3	Cannibalism and Predation as Paths for Horizontal Passage of Wolbachia between Terrestrial Isopods. PLoS ONE, 2013, 8, e60232.	2.5	104
4	When mutualists are pathogens: an experimental study of the symbioses between Steinernema (entomopathogenic nematodes) and Xenorhabdus (bacteria). Journal of Evolutionary Biology, 2004, 17, 985-993.	1.7	80
5	Effect of native Xenorhabdus on the fitness of their Steinernema hosts: contrasting types of interaction. Parasitology Research, 2003, 91, 520-524.	1.6	79
6	Culex pipiens crossing type diversity is governed by an amplified and polymorphic operon of Wolbachia. Nature Communications, 2018, 9, 319.	12.8	77
7	Wolbachia Mediate Variation of Host Immunocompetence. PLoS ONE, 2008, 3, e3286.	2.5	70
8	High Virulence of Wolbachia after Host Switching: When Autophagy Hurts. PLoS Pathogens, 2012, 8, e1002844.	4.7	57
9	The effect of Photorhabdus luminescens (Enterobacteriaceae) on the survival, development, reproduction and behaviour of Caenorhabditis elegans (Nematoda: Rhabditidae). Environmental Microbiology, 2007, 9, 12-25.	3.8	49
10	Wolbachia prevalence, diversity, and ability to induce cytoplasmic incompatibility in mosquitoes. Current Opinion in Insect Science, 2019, 34, 12-20.	4.4	44
11	Paternal transmission of the Wolbachia CidB toxin underlies cytoplasmic incompatibility. Current Biology, 2022, 32, 1319-1331.e5.	3.9	37
12	Isolation and identification of entomopathogenic nematodes and their symbiotic bacteria from HÃ©rault and Gard (Southern France). Journal of Invertebrate Pathology, 2008, 98, 211-217.	3.2	36
13	A host as an ecosystem: <scp>W</scp>olbachia coping with environmental constraints. Environmental Microbiology, 2014, 16, 3583-3607.	3.8	36
14	Interspecific competition between entomopathogenic nematodes (Steinernema) is modified by their bacterial symbionts (Xenorhabdus). BMC Evolutionary Biology, 2006, 6, 68.	3.2	35
15	The cellular phenotype of cytoplasmic incompatibility in Culex pipiens in the light of cidB diversity. PLoS Pathogens, 2018, 14, e1007364.	4.7	34
16	Variations of immune parameters in terrestrial isopods: a matter of gender, aging and Wolbachia. Die Naturwissenschaften, 2010, 97, 819-826.	1.6	32
17	Manifold aspects of specificity in a nematodeâ€“bacterium mutualism. Journal of Evolutionary Biology, 2009, 22, 2104-2117.	1.7	31
18	Variation in Wolbachia cidB gene, but not cidA, is associated with cytoplasmic incompatibility mod phenotype diversity in Culex pipiens. Molecular Ecology, 2019, 28, 4725-4736.	3.9	28

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19	Specialization of the entomopathogenic nematode Steinernema scapterisci with its mutualistic Xenorhabdus symbiont. Die Naturwissenschaften, 2005, 92, 472-476.	1.6	27
20	Effect of phenotypic variation inXenorhabdus nematophilaon its mutualistic relationship with the entomopathogenic nematodeSteinernema carpocapsae. Parasitology, 2005, 131, 687-694.	1.5	27
21	The Mutualistic Side of Wolbachiaâ€“Isopod Interactions: Wolbachia Mediated Protection Against Pathogenic Intracellular Bacteria. Frontiers in Microbiology, 2015, 6, 1388.	3.5	25
22	Sharing cells with Wolbachia: the transovarian vertical transmission of Culex pipiens densovirus. Environmental Microbiology, 2019, 21, 3284-3298.	3.8	25
23	Effect of bacterial symbionts Xenorhabdus on mortality of infective juveniles of two Steinernema species. Parasitology Research, 2007, 100, 657-659.	1.6	24
24	Low migration decreases interference competition among parasites and increases virulence. Journal of Evolutionary Biology, 2008, 21, 1245-1251.	1.7	24
25	Wolbachia diversity and cytoplasmic incompatibility patterns in Culex pipiens populations in Turkey. Parasites and Vectors, 2018, 11, 198.	2.5	23
26	Symbiotic Interactions Between Mosquitoes and Mosquito Viruses. Frontiers in Cellular and Infection Microbiology, 2021, 11, 694020.	3.9	23
27	Bidirectional cytoplasmic incompatibility caused by Wolbachia in the terrestrial isopod Porcellio dilatatus. Journal of Invertebrate Pathology, 2014, 121, 28-36.	3.2	22
28	Caution Does Not Preclude Predictive and Testable Models of Cytoplasmic Incompatibility: A Reply to Shropshire et al.. Trends in Genetics, 2019, 35, 399-400.	6.7	21
29	Steinernema boemarei n. sp. (Nematoda: Steinernematidae), a new entomopathogenic nematode from southern France. Systematic Parasitology, 2009, 72, 127-141.	1.1	18
30	Phenotypic shift inWolbachiavirulence towards its native host across serial horizontal passages. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20171076.	2.6	18
31	Horizontal transfers of feminizing versus nonâ€feminizing <scp>W</scp>olbachia strains: from harmless passengers to pathogens. Environmental Microbiology, 2013, 15, 2922-2936.	3.8	15
32	Cytoplasmic Incompatibility Variations in Relation with Wolbachia cid Genes Divergence in Culex pipiens. MBio, 2021, 12, .	4.1	13
33	The mosquito microbiome includes habitat-specific but rare symbionts. Computational and Structural Biotechnology Journal, 2022, 20, 410-420.	4.1	13
34	Modulation of host immunity and reproduction by horizontally acquired Wolbachia. Journal of Insect Physiology, 2014, 70, 125-133.	2.0	10
35	The Hematopoietic Organ: A Cornerstone for Wolbachia Propagation Between and Within Hosts. Frontiers in Microbiology, 2015, 6, 1424.	3.5	10
36	Wolbachia modulates prevalence and viral load of Culex pipiens densoviruses in natural populations. Molecular Ecology, 2020, 29, 4000-4013.	3.9	10

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37	Pathogenic effect of entomopathogenic nematodeâ€“bacterium complexes on terrestrial isopods. Journal of Invertebrate Pathology, 2008, 99, 20-27.	3.2	9
38	Variation of parasite load and immune parameters in two species of New Zealand shore crabs. Parasitology Research, 2011, 109, 759-767.	1.6	9
39	RNA interference identifies domesticated viral genes involved in assembly and trafficking of virus-derived particles in ichneumonid wasps. PLoS Pathogens, 2019, 15, e1008210.	4.7	9
40	Strength of the pathogenicity caused by feminizing Wolbachia after transfer in a new host: Strain or dose effect?. Journal of Invertebrate Pathology, 2014, 116, 18-26.	3.2	8
41	From Wolbachia genomics to phenotype: molecular models of cytoplasmic incompatibility must account for the multiplicity of compatibility types. Current Opinion in Insect Science, 2022, 49, 78-84.	4.4	8
42	Is the Octomacridae the sister family of the Diplozoidae ?. Parasite, 2002, 9, 85-87.	2.0	7
43	Transmission modes and the evolution of feminizing symbionts. Journal of Evolutionary Biology, 2016, 29, 2395-2409.	1.7	7
44	Evolution and phylogeography of Culex pipiens densovirus. Virus Evolution, 2019, 5, vez053.	4.9	5
45	Putative toxins from the entomopathogenic bacterium Photorhabdus luminescens kill Armadillidium vulgare (Terrestrial isopod). Biological Control, 2014, 69, 40-44.	3.0	4
46	Isolation, characterization and PCR multiplexing of microsatellite loci for two sub-species of terrestrial isopod Porcellio dilatatus (Crustacea, Oniscidea). Genetica, 2016, 144, 223-228.	1.1	1
47	Experimental evidence of Wolbachia introgressive acquisition between terrestrial isopod subspecies. Environmental Epigenetics, 2021, 67, 455-464.	1.8	0