

# Cedric Alaux

## List of Publications by Year in descending order

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Version: 2024-02-01

64  
papers

5,187  
citations

109321

35  
h-index

110387

64  
g-index

67  
all docs

67  
docs citations

67  
times ranked

6170  
citing authors

#	ARTICLE	IF	CITATIONS
1	Delayed effects of a single dose of a neurotoxic pesticide (sulfoxaflor) on honeybee foraging activity. <i>Science of the Total Environment</i> , 2022, 805, 150351.	8.0	10
2	Warmer winters are associated with lower levels of the cryoprotectant glycerol, a slower decrease in vitellogenin expression and reduced virus infections in winter honeybees. <i>Journal of Insect Physiology</i> , 2022, 136, 104348.	2.0	6
3	Variations in Nutritional Requirements Across Bee Species. <i>Frontiers in Sustainable Food Systems</i> , 2022, 6, .	3.9	15
4	Critical links between biodiversity and health in wild bee conservation. <i>Trends in Ecology and Evolution</i> , 2022, 37, 309-321.	8.7	48
5	Pesticide risk assessment in honeybees: Toward the use of behavioral and reproductive performances as assessment endpoints. <i>Chemosphere</i> , 2021, 276, 130134.	8.2	17
6	Pollen nutrition fosters honeybee tolerance to pesticides. <i>Royal Society Open Science</i> , 2021, 8, 210818.	2.4	33
7	Honey bee survival mechanisms against the parasite <i>Varroa destructor</i> : a systematic review of phenotypic and genomic research efforts. <i>International Journal for Parasitology</i> , 2020, 50, 433-447.	3.1	88
8	Interactions Between Thiamethoxam and Deformed Wing Virus Can Drastically Impair Flight Behavior of Honey Bees. <i>Frontiers in Microbiology</i> , 2020, 11, 766.	3.5	27
9	Honeybee lifespan: the critical role of pre-foraging stage. <i>Royal Society Open Science</i> , 2020, 7, 200998.	2.4	26
10	Toward the protection of bees and pollination under global change: present and future perspectives in a challenging applied science. <i>Current Opinion in Insect Science</i> , 2019, 35, 123-131.	4.4	53
11	MALDI-MS Profiling to Address Honey Bee Health Status under Bacterial Challenge through Computational Modeling. <i>Proteomics</i> , 2019, 19, e1900268.	2.2	10
12	Influence of chronic exposure to thiamethoxam and chronic bee paralysis virus on winter honey bees. <i>PLoS ONE</i> , 2019, 14, e0220703.	2.5	27
13	Pitting Wild Bees Against Managed Honey Bees in Their Native Range, a Losing Strategy for the Conservation of Honey Bee Biodiversity. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	2.2	21
14	Large expert-curated database for benchmarking document similarity detection in biomedical literature search. <i>Database: the Journal of Biological Databases and Curation</i> , 2019, 2019, .	3.0	15
15	Viruses in the Invasive Hornet <i>Vespa velutina</i> . <i>Viruses</i> , 2019, 11, 1041.	3.3	39
16	Exposure to pollen-bound pesticide mixtures induces longer-lived but less efficient honey bees. <i>Science of the Total Environment</i> , 2019, 650, 1250-1260.	8.0	69
17	Temperature-driven changes in viral loads in the honey bee <i>Apis mellifera</i> . <i>Journal of Invertebrate Pathology</i> , 2019, 160, 87-94.	3.2	42
18	Clustering Honeybees by Its Daily Activity. , 2019, , .		0

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19	Stress decreases pollen foraging performance in honeybees. <i>Journal of Experimental Biology</i> , 2018, 221, .	1.7	17
20	Transcriptome profiling of the honeybee parasite <i>Varroa destructor</i> provides new biological insights into the mite adult life cycle. <i>BMC Genomics</i> , 2018, 19, 328.	2.8	33
21	Metabolisation of thiamethoxam (a neonicotinoid pesticide) and interaction with the Chronic bee paralysis virus in honeybees. <i>Pesticide Biochemistry and Physiology</i> , 2018, 144, 10-18.	3.6	47
22	Measuring biological age to assess colony demographics in honeybees. <i>PLoS ONE</i> , 2018, 13, e0209192.	2.5	12
23	A "Landscape physiology"™ approach for assessing bee health highlights the benefits of floral landscape enrichment and semi-natural habitats. <i>Scientific Reports</i> , 2017, 7, 40568.	3.3	99
24	Evidence for positive selection and recombination hotspots in Deformed wing virus (DWV). <i>Scientific Reports</i> , 2017, 7, 41045.	3.3	79
25	Unity in defence: honeybee workers exhibit conserved molecular responses to diverse pathogens. <i>BMC Genomics</i> , 2017, 18, 207.	2.8	100
26	Stress response in honeybees is associated with changes in task-related physiology and energetic metabolism. <i>Journal of Insect Physiology</i> , 2017, 98, 47-54.	2.0	54
27	Colony adaptive response to simulated heat waves and consequences at the individual level in honeybees ( <i>Apis mellifera</i> ). <i>Scientific Reports</i> , 2017, 7, 3760.	3.3	56
28	Should I stay or should I go: honeybee drifting behaviour as a function of parasitism. <i>Apidologie</i> , 2017, 48, 286-297.	2.0	21
29	Variations in the Availability of Pollen Resources Affect Honey Bee Health. <i>PLoS ONE</i> , 2016, 11, e0162818.	2.5	126
30	Specific Immune Stimulation by Endogenous Bacteria in Honey Bees (Hymenoptera: Apidae). <i>Journal of Economic Entomology</i> , 2016, 109, 1474-1477.	1.8	36
31	Brain transcriptomes of honey bees ( <i>Apis mellifera</i> ) experimentally infected by two pathogens: Black queen cell virus and <i>Nosema ceranae</i> . <i>Genomics Data</i> , 2016, 10, 79-82.	1.3	24
32	Modulation of pesticide response in honeybees. <i>Apidologie</i> , 2016, 47, 412-426.	2.0	62
33	Antennae hold a key to <i>Varroa</i> -sensitive hygiene behaviour in honey bees. <i>Scientific Reports</i> , 2015, 5, 10454.	3.3	72
34	Larval Exposure to the Juvenile Hormone Analog Pyriproxyfen Disrupts Acceptance of and Social Behavior Performance in Adult Honeybees. <i>PLoS ONE</i> , 2015, 10, e0132985.	2.5	32
35	Semen quality of honey bee drones maintained from emergence to sexual maturity under laboratory, semi-field and field conditions. <i>Apidologie</i> , 2014, 45, 215-223.	2.0	27
36	Parasitic and immune-modulation of flight activity in honey bees tracked with optical counters. <i>Journal of Experimental Biology</i> , 2014, 217, 3416-24.	1.7	51

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37	Ecto- and endoparasite induce similar chemical and brain neurogenomic responses in the honey bee ( <i>Apis mellifera</i> ). <i>BMC Ecology</i> , 2013, 13, 25.	3.0	57
38	Standard methods for toxicology research in <i>Apis mellifera</i> . <i>Journal of Apicultural Research</i> , 2013, 52, 1-60.	1.5	131
39	Standard methods for maintaining adult <i>Apis mellifera</i> in cages under <i>in vitro</i> laboratory conditions. <i>Journal of Apicultural Research</i> , 2013, 52, 1-36.	1.5	230
40	Influence of Pollen Nutrition on Honey Bee Health: Do Pollen Quality and Diversity Matter?. <i>PLoS ONE</i> , 2013, 8, e72016.	2.5	574
41	New meta-analysis tools reveal common transcriptional regulatory basis for multiple determinants of behavior. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E1801-10.	7.1	52
42	Gut Pathology and Responses to the Microsporidium <i>Nosema ceranae</i> in the Honey Bee <i>Apis mellifera</i> . <i>PLoS ONE</i> , 2012, 7, e37017.	2.5	204
43	Brain, physiological and behavioral modulation induced by immune stimulation in honeybees ( <i>Apis mellifera</i> ). <i>PLoS ONE</i> , 2012, 7, e37017.	4.1	22
44	Pathological effects of the microsporidium <i>Nosema ceranae</i> on honey bee queen physiology ( <i>Apis mellifera</i> ). <i>PLoS ONE</i> , 2012, 7, e37017.	3.2	92
45	Social immunity in honeybees ( <i>Apis mellifera</i> ): transcriptome analysis of varroa-hygienic behaviour. <i>Insect Molecular Biology</i> , 2011, 20, 399-408.	2.0	71
46	Nutrigenomics in honey bees: digital gene expression analysis of pollen's nutritive effects on healthy and varroa-parasitized bees. <i>BMC Genomics</i> , 2011, 12, 496.	2.8	186
47	A review of methods for discrimination of honey bee populations as applied to European beekeeping. <i>Journal of Apicultural Research</i> , 2011, 50, 51-84.	1.5	99
48	<i>Nosema</i> spp. Infection Alters Pheromone Production in Honey Bees ( <i>Apis mellifera</i> ). <i>Journal of Chemical Ecology</i> , 2010, 36, 522-525.	1.8	52
49	New insights into honey bee ( <i>Apis mellifera</i> ) pheromone communication. Is the queen mandibular pheromone alone in colony regulation?. <i>Frontiers in Zoology</i> , 2010, 7, 18.	2.0	42
50	Interactions between <i>Nosema</i> microspores and a neonicotinoid weaken honeybees ( <i>Apis mellifera</i> ). <i>PLoS ONE</i> , 2010, 5, e12345.	3.8	445
51	Diet effects on honeybee immunocompetence. <i>Biology Letters</i> , 2010, 6, 562-565.	2.3	594
52	Pheromones in a Superorganism. <i>Vitamins and Hormones</i> , 2010, 83, 401-423.	1.7	26
53	Honey bee aggression supports a link between gene regulation and behavioral evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 15400-15405.	7.1	235
54	Behavioral and Chemical Correlates of Long-Term Queen Adoption in the Facultative Polygynous Ant <i>Ectatomma tuberculatum</i> . <i>Journal of Insect Behavior</i> , 2009, 22, 362-374.	0.7	6

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55	Regulation of brain gene expression in honey bees by brood pheromone. <i>Genes, Brain and Behavior</i> , 2009, 8, 309-319.	2.2	107
56	Modulatory Communication Signal Performance Is Associated with a Distinct Neurogenomic State in Honey Bees. <i>PLoS ONE</i> , 2009, 4, e6694.	2.5	14
57	Differential gene expression of the honey bee <i>Apis mellifera</i> associated with <i>Varroa destructor</i> infection. <i>BMC Genomics</i> , 2008, 9, 301.	2.8	163
58	Reproductive plasticity in bumblebee workers ( <i>Bombus terrestris</i> )—reversion from fertility to sterility under queen influence. <i>Behavioral Ecology and Sociobiology</i> , 2007, 62, 213-222.	1.4	32
59	Alarm Pheromone Induces Immediate—Early Gene Expression and Slow Behavioral Response in Honey Bees. <i>Journal of Chemical Ecology</i> , 2007, 33, 1346-1350.	1.8	70
60	Regulation of worker reproduction in bumblebees ( <i>Bombus terrestris</i> ): workers eavesdrop on a queen signal. <i>Behavioral Ecology and Sociobiology</i> , 2006, 60, 439-446.	1.4	41
61	Plasticity of worker reproductive strategies in <i>Bombus terrestris</i> : lessons from artificial mixed-species colonies. <i>Animal Behaviour</i> , 2006, 72, 1417-1425.	1.9	4
62	Reproductive decision-making in semelparous colonies of the bumblebee <i>bombus terrestris</i> . <i>Behavioral Ecology and Sociobiology</i> , 2005, 59, 270-277.	1.4	34
63	Does the queen win it all? Queen?worker conflict over male production in the bumblebee, <i>Bombus terrestris</i> . <i>Die Naturwissenschaften</i> , 2004, 91, 400-3.	1.6	48
64	Queen influence on worker reproduction in bumblebees ( <i>Bombus terrestris</i> ) colonies. <i>Insectes Sociaux</i> , 2004, 51, 287.	1.2	49