

# 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	Diet effects on honeybee immunocompetence. <i>Biology Letters</i> , 2010, 6, 562-565.	2.3	594
2	Influence of Pollen Nutrition on Honey Bee Health: Do Pollen Quality and Diversity Matter?. <i>PLoS ONE</i> , 2013, 8, e72016.	2.5	574
3	Interactions between <i>Nosema</i> microspores and a neonicotinoid weaken honeybees ( <i>Apis</i> ) <a href="#">Tj ETQq1 1 0.784314 rgBT /Overl</a>	3.8	449
4	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
5	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
6	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
7	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
8	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
9	Standard methods for toxicology research in <i>Apis mellifera</i> . <i>Journal of Apicultural Research</i> , 2013, 52, 1-60.	1.5	131
10	Variations in the Availability of Pollen Resources Affect Honey Bee Health. <i>PLoS ONE</i> , 2016, 11, e0162818.	2.5	126
11	Regulation of brain gene expression in honey bees by brood pheromone. <i>Genes, Brain and Behavior</i> , 2009, 8, 309-319.	2.2	107
12	Unity in defence: honeybee workers exhibit conserved molecular responses to diverse pathogens. <i>BMC Genomics</i> , 2017, 18, 207.	2.8	100
13	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
14	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
15	Pathological effects of the microsporidium <i>Nosema ceranae</i> on honey bee queen physiology ( <i>Apis</i> ) <a href="#">Tj ETQq1 1 0.784314 rgBT /Overl</a>	3.2	92
16	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
17	Evidence for positive selection and recombination hotspots in Deformed wing virus (DWV). <i>Scientific Reports</i> , 2017, 7, 41045.	3.3	79
18	Antennae hold a key to <i>Varroa</i> -sensitive hygiene behaviour in honey bees. <i>Scientific Reports</i> , 2015, 5, 10454.	3.3	72

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19	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
20	Alarm Pheromone Induces Immediateâ€“Early Gene Expression and Slow Behavioral Response in Honey Bees. <i>Journal of Chemical Ecology</i> , 2007, 33, 1346-1350.	1.8	70
21	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
22	Modulation of pesticide response in honeybees. <i>Apidologie</i> , 2016, 47, 412-426.	2.0	62
23	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
24	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
25	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
26	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
27	<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
28	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
29	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
30	Queen influence on worker reproduction in bumblebees ( <i>Bombus terrestris</i> ) colonies. <i>Insectes Sociaux</i> , 2004, 51, 287.	1.2	49
31	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
32	Critical links between biodiversity and health in wild bee conservation. <i>Trends in Ecology and Evolution</i> , 2022, 37, 309-321.	8.7	48
33	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
34	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
35	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
36	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

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37	Viruses in the Invasive Hornet <i>Vespa velutina</i> . <i>Viruses</i> , 2019, 11, 1041.	3.3	39
38	Specific Immune Stimulation by Endogenous Bacteria in Honey Bees (Hymenoptera: Apidae). <i>Journal of Economic Entomology</i> , 2016, 109, 1474-1477.	1.8	36
39	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
40	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
41	Pollen nutrition fosters honeybee tolerance to pesticides. <i>Royal Society Open Science</i> , 2021, 8, 210818.	2.4	33
42	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
43	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
44	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
45	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
46	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
47	Pheromones in a Superorganism. <i>Vitamins and Hormones</i> , 2010, 83, 401-423.	1.7	26
48	Honeybee lifespan: the critical role of pre-foraging stage. <i>Royal Society Open Science</i> , 2020, 7, 200998.	2.4	26
49	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
50	Brain, physiological and behavioral modulation induced by immune stimulation in honeybees ( <i>Apis mellifera</i> ). <i>Journal of Experimental Biology</i> , 2017, 220, 107-117.	4.1	22
51	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
52	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
53	Stress decreases pollen foraging performance in honeybees. <i>Journal of Experimental Biology</i> , 2018, 221, .	1.7	17
54	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

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55	Large expert-curated database for benchmarking document similarity detection in biomedical literature search. Database: the Journal of Biological Databases and Curation, 2019, 2019, .	3.0	15
56	Variations in Nutritional Requirements Across Bee Species. Frontiers in Sustainable Food Systems, 2022, 6, .	3.9	15
57	Modulatory Communication Signal Performance Is Associated with a Distinct Neurogenomic State in Honey Bees. PLoS ONE, 2009, 4, e6694.	2.5	14
58	Measuring biological age to assess colony demographics in honeybees. PLoS ONE, 2018, 13, e0209192.	2.5	12
59	MALDI-MS Profiling to Address Honey Bee Health Status under Bacterial Challenge through Computational Modeling. Proteomics, 2019, 19, e1900268.	2.2	10
60	Delayed effects of a single dose of a neurotoxic pesticide (sulfoxaflo) on honeybee foraging activity. Science of the Total Environment, 2022, 805, 150351.	8.0	10
61	Behavioral and Chemical Correlates of Long-Term Queen Adoption in the Facultative Polygynous Ant <i>Ectatomma tuberculatum</i> . Journal of Insect Behavior, 2009, 22, 362-374.	0.7	6
62	Warmer winters are associated with lower levels of the cryoprotectant glycerol, a slower decrease in vitellogenin expression and reduced virus infections in winter honeybees. Journal of Insect Physiology, 2022, 136, 104348.	2.0	6
63	Plasticity of worker reproductive strategies in <i>Bombus terrestris</i> : lessons from artificial mixed-species colonies. Animal Behaviour, 2006, 72, 1417-1425.	1.9	4
64	Clustering Honeybees by Its Daily Activity. , 2019, , .		0