Anna Cohuet

List of Publications by Year
in descending order

82 papers	4,081 citations	94433 37 h-index	144013 57 g-index
90 all docs	90 docs citations	90 times ranked	3765 citing authors

#	Article	IF	Citations
1	Predicting the public health impact of a malaria transmission-blocking vaccine. Nature Communications, 2021, 12, 1494.	12.8	19
2	Mosquito Attractants. Journal of Chemical Ecology, 2021, 47, 351-393.	1.8	37
3	A non-destructive sugar-feeding assay for parasite detection and estimating the extrinsic incubation period of Plasmodium falciparum in individual mosquito vectors. Scientific Reports, 2021, 11, 9344.	3.3	14
4	Effect of seasonal malaria chemoprevention plus azithromycin on Plasmodium falciparum transmission: gametocyte infectivity and mosquito fitness. Malaria Journal, 2021, 20, 326.	2.3	1
5	Contrasting effects of the alkaloid ricinine on the capacity of Anopheles gambiae and Anopheles coluzzii to transmit Plasmodium falciparum. Parasites and Vectors, 2021, 14, 479.	2.5	11
6	Functional Characterization and Comparison of Plasmodium falciparum Proteins as Targets of Transmission-blocking Antibodies. Molecular and Cellular Proteomics, 2020, 19, 155-166.	3.8	16
7	High Plasmodium infection intensity in naturally infected malaria vectors in Africa. International Journal for Parasitology, 2020, 50, 985-996.	3.1	25
8	Different distribution of malaria parasite in left and right extremities of vertebrate hosts translates into differences in parasite transmission. Scientific Reports, 2020, 10, 10183.	3.3	2
9	Effect of irradiation on the survival and susceptibility of female Anopheles arabiensis to natural isolates of Plasmodium falciparum. Parasites and Vectors, 2020, 13, 266.	2.5	7
10	Prior contact with permethrin decreases its irritancy at the following exposure among a pyrethroid-resistant malaria vector Anopheles gambiae. Scientific Reports, 2019, 9, 8177.	3.3	9
11	Efficacy of vector control tools against malaria-infected mosquitoes. Scientific Reports, 2019, 9, 6664.	3.3	11
12	Behavioural adaptations of mosquito vectors to insecticide control. Current Opinion in Insect Science, 2019, 34, 48-54.	4.4	89
13	Transmission traits of malaria parasites within the mosquito: Genetic variation, phenotypic plasticity, and consequences for control. Evolutionary Applications, 2018, 11, 456-469.	3.1	52
14	Unravelling the immune signature of Plasmodium falciparum transmission-reducing immunity. Nature Communications, 2018, 9, 558.	12.8	83
15	DEET Efficacy Increases With Age in the Vector Mosquitoes Anopheles gambiae s.s. and Aedes albopictus (Diptera: Culicidae). Journal of Medical Entomology, 2018, 55, 1542-1548.	1.8	9
16	Effect of DEET-multiple exposures on behavior and life history traits in the malaria mosquito Anopheles gambiae (s.s.). Parasites and Vectors, 2018, 11, 432.	2.5	8
17	Predicting the likelihood and intensity of mosquito infection from sex specific Plasmodium falciparum gametocyte density. ELife, 2018, 7, .	6.0	93
18	Epigenetic regulation of Plasmodium falciparum clonally variant gene expression during development in Anopheles gambiae. Scientific Reports, 2017, 7, 40655.	3.3	69

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19	Malaria Vector Control Still Matters despite Insecticide Resistance. Trends in Parasitology, 2017, 33, 610-618.	3.3	39
20	No evidence for manipulation of Anopheles gambiae, An. coluzzii and An. arabiensis host preference by Plasmodium falciparum. Scientific Reports, 2017, 7, 9415.	3.3	23
21	The Peptidoglycan Recognition Proteins PGRPLA and PGRPLB Regulate Anopheles Immunity to Bacteria and Affect Infection by Plasmodium. Journal of Innate Immunity, 2017, 9, 333-342.	3.8	41
22	Evaluation of two lead malaria transmission blocking vaccine candidate antibodies in natural parasite-vector combinations. Scientific Reports, 2017, 7, 6766.	3.3	35
23	Influence of pyrethroÃ¯d-treated bed net on host seeking behavior of Anopheles gambiae s.s. carrying the kdr allele. PLoS ONE, 2017, 12, e0164518.	2.5	20
24	Comparative assessment of An. gambiae and An. stephensi mosquitoes to determine transmission-reducing activity of antibodies against P. falciparum sexual stage antigens. Parasites and Vectors, 2017, 10, 489.	2.5	19
25	Consequences of insecticide resistance on malaria transmission. PLoS Pathogens, 2017, 13, e1006499.	4.7	56
26	Identification and Antibioresistance Characterisation of Culturable Bacteria in the Intestinal Microbiota of Mosquitoes. Vector Biology Journal, 2017, 02, .	0.4	2
27	Interactive cost of Plasmodium infection and insecticide resistance in the malaria vector Anopheles gambiae. Scientific Reports, 2016, 6, 29755.	3.3	65
28	Differential Effects of Azithromycin, Doxycycline, and Cotrimoxazole in Ingested Blood on the Vectorial Capacity of Malaria Mosquitoes. Open Forum Infectious Diseases, 2016, 3, ofw074.	0.9	26
29	Learning and Memory in Disease Vector Insects. Trends in Parasitology, 2016, 32, 761-771.	3.3	34
30	Larval nutritional stress affects vector life history traits and human malaria transmission. Scientific Reports, 2016, 6, 36778.	3.3	42
31	Plant-Mediated Effects on Mosquito Capacity to Transmit Human Malaria. PLoS Pathogens, 2016, 12, e1005773.	4.7	54
32	Host-seeking behaviors of mosquitoes experimentally infected with sympatric field isolates of the human malaria parasite Plasmodium falciparum: no evidence for host manipulation. Frontiers in Ecology and Evolution, 2015, 3, .	2.2	33
33	Plasmodium falciparum Mating Patterns and Mosquito Infectivity of Natural Isolates of Gametocytes. PLoS ONE, 2015, 10, e0123777.	2.5	44
34	Experimental study of the relationship between Plasmodium gametocyte density and infection success in mosquitoes; implications for the evaluation of malaria transmission-reducing interventions. Experimental Parasitology, 2015, 149, 74-83.	1.2	69
35	Human-to-mosquito transmission efficiency increases as malaria is controlled. Nature Communications, 2015, 6, 6054.	12.8	72
36	Antibiotics in ingested human blood affect the mosquito microbiota and capacity to transmit malaria. Nature Communications, 2015, 6, 5921.	12.8	154

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37	Comparative Assessment of Transmission-Blocking Vaccine Candidates against Plasmodium falciparum. Scientific Reports, 2015, 5, 11193.	3.3	106
38	Insecticide exposure impacts vectorâ€“parasite interactions in insecticide-resistant malaria vectors. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140389.	2.6	55
39	A heavy legacy: offspring of malaria-infected mosquitoes show reduced disease resistance. Malaria Journal, 2014, 13, 442.	2.3	35
40	Transmission blocking activity of Azadirachta indica and Guiera senegalensis extracts on the sporogonic development of Plasmodium falciparum field isolates in Anopheles coluzzii mosquitoes. Parasites and Vectors, 2014, 7, 185.	2.5	19
41	Individual experience affects host choice in malaria vector mosquitoes. Parasites and Vectors, 2014, 7, 249.	2.5	21
42	Stress dependent infection cost of the human malaria agent Plasmodium falciparum on its natural vector Anopheles coluzzii. Infection, Genetics and Evolution, 2014, 25, 57-65.	2.3	22
43	Interplay Between Plasmodium Infection and Resistance to Insecticides in Vector Mosquitoes. Journal of Infectious Diseases, 2014, 210, 1464-1470.	4.0	59
44	New methods for field collection of human skin volatiles and perspectives for their application in the chemical ecology of human/pathogen/vector interactions. Journal of Experimental Biology, 2013, 216, 2783-8.	1.7	53
45	Studying fitness cost of Plasmodium falciparum infection in malaria vectors: validation of an appropriate negative control. Malaria Journal, 2013, 12, 2.	2.3	41
46	Human Skin Volatiles: A Review. Journal of Chemical Ecology, 2013, 39, 569-578.	1.8	178
47	Non-Genetic Determinants of Mosquito Competence for Malaria Parasites. PLoS Pathogens, 2013, 9, e1003365.	4.7	99
48	Anti-Pfs25 Human Plasma Reduces Transmission of Plasmodium falciparum Isolates That Have Diverse Genetic Backgrounds. Infection and Immunity, 2013, 81, 1984-1989.	2.2	17
49	Insecticide Resistance Alleles Affect Vector Competence of Anopheles gambiae s.s. for Plasmodium falciparum Field Isolates. PLoS ONE, 2013, 8, e63849.	2.5	109
50	Measuring the blockade of malaria transmission â€“ An analysis of the Standard Membrane Feeding Assay. International Journal for Parasitology, 2012, 42, 1037-1044.	3.1	162
51	A user-friendly software to easily count Anopheles egg batches. Parasites and Vectors, 2012, 5, 122.	2.5	27
52	Population genetic structure of the malaria vector Anopheles funestus, in a recently re-colonized area of the Senegal River basin and human-induced environmental changes. Parasites and Vectors, 2012, 5, 188.	2.5	16
53	Plasmodium falciparum Produce Lower Infection Intensities in Local versus Foreign Anopheles gambiae Populations. PLoS ONE, 2012, 7, e30849.	2.5	44
54	Comparative susceptibility to Plasmodium falciparum of the molecular forms M and S of Anopheles gambiae and Anopheles arabiensis. Malaria Journal, 2011, 10, 269.	2.3	30

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55	Infection Intensity-Dependent Responses of Anopheles gambiae to the African Malaria Parasite Plasmodium falciparum. Infection and Immunity, 2011, 79, 4708-4715.	2.2	51
56	Chromosomal Inversions, Natural Selection and Adaptation in the Malaria Vector Anopheles funestus. Molecular Biology and Evolution, 2011, 28, 745-758.	8.9	62
57	Evolutionary forces on Anopheles: what makes a malaria vector?. Trends in Parasitology, 2010, 26, 130-136.	3.3	149
58	Low linkage disequilibrium in wild Anopheles gambiae s.l. populations. BMC Genetics, 2010, 11, 81.	2.7	18
59	Polymorphisms in Anopheles gambiae Immune Genes Associated with Natural Resistance to Plasmodium falciparum. PLoS Pathogens, 2010, 6, e1001112.	4.7	92
60	Population genetic structure of the malaria vector Anopheles nili in sub-Saharan Africa. Malaria Journal, 2010, 9, 161.	2.3	34
61	SNP discovery and molecular evolution in Anopheles gambiae, with special emphasis on innate immune system. BMC Genomics, 2008, 9, 227.	2.8	44
62	Conserved Mosquito/Parasite Interactions Affect Development of Plasmodium falciparum in Africa. PLoS Pathogens, 2008, 4, e1000069.	4.7	93
63	<I>Anopheles funestus</I> (Diptera: Culicidae) in a Humid Savannah Area of Western Burkina Faso: Bionomics, Insecticide Resistance Status, and Role in Malaria Transmission. Journal of Medical Entomology, 2007, 44, 990-997.	1.8	38
64	Active dispersal by wild <i>Triatoma infestans</i> in the Bolivian Andes. Tropical Medicine and International Health, 2007, 12, 759-764.	2.3	44
65	EFFECT OF INFECTION BY PLASMODIUM FALCIPARUM ON THE MELANIZATION IMMUNE RESPONSE OF ANOPHELES GAMBIAE. American Journal of Tropical Medicine and Hygiene, 2007, 76, 475-480.	1.4	22
66	Effect of infection by Plasmodium falciparum on the melanization immune response of Anopheles gambiae. American Journal of Tropical Medicine and Hygiene, 2007, 76, 475-80.	1.4	16
67	Anopheles and Plasmodium : from laboratory models to natural systems in the field. EMBO Reports, 2006, 7, 1285-1289.	4.5	118
68	Increased melanizing activity in Anopheles gambiae does not affect development of Plasmodium falciparum. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 16858-16863.	7.1	93
69	MULTILOCUS ENZYME ELECTROPHORESIS SUPPORTS SPECIATION WITHIN THE ANOPHELES NILI GROUP OF MALARIA VECTORS IN CAMEROON. American Journal of Tropical Medicine and Hygiene, 2006, 75, 656-658.	1.4	11
70	Multilocus enzyme electrophoresis supports speciation within the Anopheles nili group of malaria vectors in Cameroon. American Journal of Tropical Medicine and Hygiene, 2006, 75, 656-8.	1.4	10
71	Gene Flow Between Chromosomal Forms of the Malaria Vector Anopheles funestus in Cameroon, Central Africa, and Its Relevance in Malaria Fighting. Genetics, 2005, 169, 301-311.	2.9	48
72	Molecular Evidence of Speciation Between Island and Continental Populations of<i>Anopheles</i>(<i>Cellia</i>)<i>sundaicus</i>(Diptera: Culicidae), a Principal Malaria Vector Taxon in Southeast Asia. Journal of Medical Entomology, 2004, 41, 287-295.	1.8	37

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73	High Malaria Transmission Intensity Due to<i>Anopheles funestus</i>(Diptera: Culicidae) in a Village of Savannahâ€“Forest Transition Area in Cameroon. Journal of Medical Entomology, 2004, 41, 901-905.	1.8	68
74	A Microsatellite Map of the African Human Malaria Vector Anopheles funestus. , 2004, 95, 29-34.		60
75	Population structure of the malaria vector Anopheles funestus in Senegal based on microsatellite and cytogenetic data. Insect Molecular Biology, 2004, 13, 251-258.	2.0	41
76	INTRASPECIFIC NUCLEOTIDE VARIATION IN ANOPHELES GAMBIAE: NEW INSIGHTS INTO THE BIOLOGY OF MALARIA VECTORS. American Journal of Tropical Medicine and Hygiene, 2004, 71, 795-802.	1.4	76
77	Intraspecific nucleotide variation in Anopheles gambiae: new insights into the biology of malaria vectors. American Journal of Tropical Medicine and Hygiene, 2004, 71, 795-802.	1.4	54
78	SPECIES IDENTIFICATION WITHIN THE ANOPHELES FUNESTUS GROUP OF MALARIA VECTORS IN CAMEROON AND EVIDENCE FOR A NEW SPECIES. American Journal of Tropical Medicine and Hygiene, 2003, 69, 200-205.	1.4	155
79	Species identification within the Anopheles funestus group of malaria vectors in Cameroon and evidence for a new species. American Journal of Tropical Medicine and Hygiene, 2003, 69, 200-5.	1.4	89
80	Isolation and characterization of microsatellite DNA markers in the malaria vector Anopheles funestus. Molecular Ecology Notes, 2002, 2, 498-500.	1.7	24
81	Morphological variability in the malaria vector, Anopheles moucheti, is not indicative of speciation: evidences from sympatric south Cameroon populations. Infection, Genetics and Evolution, 2002, 2, 69-72.	2.3	13
82	Field evidence for manipulation of mosquito host selection by the human malaria parasite, Plasmodium falciparum. , 0, 1, .		6