

# Philip J McCall

## List of Publications by Year in descending order

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90  
papers

4,902  
citations

109264

35  
h-index

102432

66  
g-index

100  
all docs

100  
docs citations

100  
times ranked

4628  
citing authors

#	ARTICLE	IF	CITATIONS
1	How caterpillar-damaged plants protect themselves by attracting parasitic wasps.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 4169-4174.	3.3	645
2	Is Dengue Vector Control Deficient in Effectiveness or Evidence?: Systematic Review and Meta-analysis. PLoS Neglected Tropical Diseases, 2016, 10, e0004551.	1.3	294
3	A mutation in the voltage-gated sodium channel gene associated with pyrethroid resistance in Latin American <i>Aedes aegypti</i> . Insect Molecular Biology, 2007, 16, 785-798.	1.0	288
4	An elicitor in caterpillar oral secretions that induces corn seedlings to emit chemical signals attractive to parasitic wasps. Journal of Chemical Ecology, 1993, 19, 411-425.	0.9	277
5	Assessing the Relationship between Vector Indices and Dengue Transmission: A Systematic Review of the Evidence. PLoS Neglected Tropical Diseases, 2014, 8, e2848.	1.3	233
6	Aedes Mosquitoes and Aedes-Borne Arboviruses in Africa: Current and Future Threats. International Journal of Environmental Research and Public Health, 2018, 15, 220.	1.2	153
7	Herbivore-induced volatile emissions from cotton ( <i>Gossypium hirsutum</i> L.) seedlings. Journal of Chemical Ecology, 1994, 20, 3039-3050.	0.9	146
8	Increasing role of <i>Anopheles funestus</i> and <i>Anopheles arabiensis</i> in malaria transmission in the Kilombero Valley, Tanzania. Malaria Journal, 2014, 13, 331.	0.8	119
9	Role of plant volatiles in host location by the specialist parasitoid <i>Microplitis croceipes</i> cresson (Braconidae: Hymenoptera). Journal of Insect Behavior, 1993, 6, 625-639.	0.4	118
10	Insecticide-treated bednets to control dengue vectors: preliminary evidence from a controlled trial in Haiti. Tropical Medicine and International Health, 2008, 13, 56-67.	1.0	112
11	Time-varying, serotype-specific force of infection of dengue virus. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2694-702.	3.3	105
12	Learning and memory in disease vectors. Trends in Parasitology, 2002, 18, 429-433.	1.5	97
13	Species abundance and insecticide resistance of <i>Anopheles gambiae</i> in selected areas of Ghana and Burkina Faso. Medical and Veterinary Entomology, 2004, 18, 372-377.	0.7	97
14	Olfactory memory in the mosquito <i>Culex quinquefasciatus</i> . Medical and Veterinary Entomology, 2001, 15, 197-203.	0.7	92
15	Infrared video tracking of <i>Anopheles gambiae</i> at insecticide-treated bed nets reveals rapid decisive impact after brief localised net contact. Scientific Reports, 2015, 5, 13392.	1.6	82
16	The microbiome and mosquito vectorial capacity: rich potential for discovery and translation. Microbiome, 2021, 9, 111.	4.9	81
17	Malaria and Irrigated Crops, Accra, Ghana. Emerging Infectious Diseases, 2005, 11, 1290-1293.	2.0	80
18	Dengue disease surveillance: an updated systematic literature review. Tropical Medicine and International Health, 2014, 19, 1116-1160.	1.0	75

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19	Dengue Expansion in Africa – Not Recognized or Not Happening?. <i>Emerging Infectious Diseases</i> , 2014, 20, .	2.0	72
20	Interspecific competition between sibling species larvae of <i>Anopheles arabiensis</i> and <i>An. gambiae</i> . <i>Medical and Veterinary Entomology</i> , 2000, 14, 165-170.	0.7	69
21	The pyrethroid resistance status and mechanisms in <i>Aedes aegypti</i> from the Guerrero state, Mexico. <i>Pesticide Biochemistry and Physiology</i> , 2013, 107, 226-234.	1.6	63
22	A newly identified tick-borne <i>Borrelia</i> species and relapsing fever in Tanzania. <i>Lancet</i> , The, 2003, 362, 1283-1284.	6.3	62
23	Evaluation of the Effectiveness of Insecticide Treated Materials for Household Level Dengue Vector Control. <i>PLoS Neglected Tropical Diseases</i> , 2011, 5, e994.	1.3	61
24	Combined target site (kdr) mutations play a primary role in highly pyrethroid resistant phenotypes of <i>Aedes aegypti</i> from Saudi Arabia. <i>Parasites and Vectors</i> , 2017, 10, 161.	1.0	60
25	Use of Insecticide-Treated House Screens to Reduce Infestations of Dengue Virus Vectors, Mexico. <i>Emerging Infectious Diseases</i> , 2015, 21, 308-311.	2.0	55
26	Development and application of a simple colorimetric assay reveals widespread distribution of sodium channel mutations in Thai populations of <i>Aedes aegypti</i> . <i>Acta Tropica</i> , 2008, 108, 54-57.	0.9	54
27	High frequencies of F1534C and V1016I kdr mutations and association with pyrethroid resistance in <i>Aedes aegypti</i> from Somgand (Ouagadougou), Burkina Faso. <i>Tropical Medicine and Health</i> , 2019, 47, 2.	1.0	53
28	Entomological indices of malaria transmission in Chikhwawa district, Southern Malawi. <i>Malaria Journal</i> , 2012, 11, 380.	0.8	50
29	Urban malaria and anaemia in children: a cross-sectional survey in two cities of Ghana. <i>Tropical Medicine and International Health</i> , 2006, 11, 578-588.	1.0	49
30	Sexual Population Structure and Genetics of the Malaria Agent <i>P. falciparum</i> . <i>PLoS ONE</i> , 2007, 2, e613.	1.1	47
31	The elimination of the onchocerciasis vector from the island of Bioko as a result of larviciding by the WHO African Programme for Onchocerciasis Control. <i>Acta Tropica</i> , 2009, 111, 211-218.	0.9	47
32	Insecticide resistance levels and mechanisms in <i>Aedes aegypti</i> populations in and around Ouagadougou, Burkina Faso. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007439.	1.3	46
33	Alarm Variables for Dengue Outbreaks: A Multi-Centre Study in Asia and Latin America. <i>PLoS ONE</i> , 2016, 11, e0157971.	1.1	42
34	Effective auto-dissemination of pyriproxyfen to breeding sites by the exophilic malaria vector <i>Anopheles arabiensis</i> in semi-field settings in Tanzania. <i>Malaria Journal</i> , 2014, 13, 161.	0.8	41
35	Long-lasting insecticide-treated house screens and targeted treatment of productive breeding-sites for dengue vector control in Acapulco, Mexico. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2015, 109, 106-115.	0.7	41
36	Efficacy and community effectiveness of larvivorous fish for dengue vector control. <i>Tropical Medicine and International Health</i> , 2015, 20, 1239-1256.	1.0	39

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37	Evaluation of the vector competence of a native UK mosquito <i>Ochlerotatus detritus</i> ( <i>Aedes detritus</i> ) for dengue, chikungunya and West Nile viruses. <i>Parasites and Vectors</i> , 2016, 9, 452.	1.0	39
38	A Country on the Verge of Malaria Elimination – The Kingdom of Saudi Arabia. <i>PLoS ONE</i> , 2014, 9, e105980.	1.1	37
39	Dengue Knowledge and Preventive Practices in Iquitos, Peru. <i>American Journal of Tropical Medicine and Hygiene</i> , 2015, 93, 1330-1337.	0.6	34
40	A Cluster-Randomized Trial of Insecticide-Treated Curtains for Dengue Vector Control in Thailand. <i>American Journal of Tropical Medicine and Hygiene</i> , 2013, 88, 254-259.	0.6	33
41	Arthropod dermatoses acquired in the UK and overseas. <i>Lancet, The</i> , 2001, 357, 2105-2106.	6.3	32
42	Does Tick-Borne Relapsing Fever Have an Animal Reservoir in East Africa?. <i>Vector-Borne and Zoonotic Diseases</i> , 2007, 7, 659-666.	0.6	32
43	A novel video-tracking system to quantify the behaviour of nocturnal mosquitoes attacking human hosts in the field. <i>Journal of the Royal Society Interface</i> , 2016, 13, 20150974.	1.5	32
44	Host-seeking activity of a Tanzanian population of <i>Anopheles arabiensis</i> at an insecticide treated bed net. <i>Malaria Journal</i> , 2017, 16, 270.	0.8	31
45	Clustering of host-seeking activity of <i>Anopheles gambiae</i> mosquitoes at the top surface of a human-baited bed net. <i>Malaria Journal</i> , 2013, 12, 267.	0.8	30
46	Coverage-Dependent Effect of Insecticide-Treated Curtains for Dengue Control in Thailand. <i>American Journal of Tropical Medicine and Hygiene</i> , 2013, 89, 93-98.	0.6	29
47	House screening with insecticide-treated netting provides sustained reductions in domestic populations of <i>Aedes aegypti</i> in Merida, Mexico. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006283.	1.3	29
48	Morphometric differentiation of <i>Onchocerca volvulus</i> and <i>O. ochengi</i> infective larvae. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 1992, 86, 63-65.	0.7	28
49	Barrier bednets target malaria vectors and expand the range of usable insecticides. <i>Nature Microbiology</i> , 2020, 5, 40-47.	5.9	28
50	Oviposition aggregation pheromone in the <i>Simulium damnosum</i> complex. <i>Medical and Veterinary Entomology</i> , 1995, 9, 101-108.	0.7	27
51	Cytotaxonomy, morphology and molecular systematics of the Bioko form of <i>Simulium yahense</i> (Diptera: Simuliidae). <i>Bulletin of Entomological Research</i> , 2003, 93, 145-157.	0.5	24
52	The Buen Pastor cemetery in Trujillo, Venezuela: measuring dengue vector output from a public area. <i>Tropical Medicine and International Health</i> , 2005, 10, 597-603.	1.0	22
53	Dengue Contingency Planning: From Research to Policy and Practice. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004916.	1.3	22
54	Review of the ecology and behaviour of <i>Aedes aegypti</i> and <i>Aedes albopictus</i> in Western Africa and implications for vector control. <i>Current Research in Parasitology and Vector-borne Diseases</i> , 2022, 2, 100074.	0.7	22

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55	Review and Meta-Analysis of the Evidence for Choosing between Specific Pyrethroids for Programmatic Purposes. <i>Insects</i> , 2021, 12, 826.	1.0	20
56	Multi-scale analysis of the associations among egg, larval and pupal surveys and the presence and abundance of adult female <i>Aedes aegypti</i> ( <i>Stegomyia aegypti</i> ) in the city of Merida, Mexico. <i>Medical and Veterinary Entomology</i> , 2014, 28, 264-272.	0.7	18
57	The impact of insecticide treated curtains on dengue virus transmission: A cluster randomized trial in Iquitos, Peru. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008097.	1.3	18
58	Cloning and characterization of a species-specific repetitive DNA sequence from <i>Onchocerca armillata</i> . <i>Molecular and Biochemical Parasitology</i> , 1988, 30, 209-215.	0.5	16
59	Entomological aspects and the role of human behaviour in malaria transmission in a highland region of the Republic of Yemen. <i>Malaria Journal</i> , 2016, 15, 130.	0.8	16
60	Aggregated oviposition in the <i>Simulium damnosum</i> complex is mediated by eggs in a laboratory bioassay. <i>Medical and Veterinary Entomology</i> , 1994, 8, 76-80.	0.7	15
61	Delivery of insecticide-treated net services through employer and community-based approaches in Kenya. <i>Tropical Medicine and International Health</i> , 2006, 12, 061030012640003-???	1.0	15
62	Onchocerciasis in British cattle: a study of <i>Onchocerca gutturosa</i> and <i>O. lienalis</i> in North Wales. <i>Journal of Helminthology</i> , 1987, 61, 103-113.	0.4	13
63	Response of adult sandflies, <i>Lutzomyia longipalpis</i> (Diptera: Psychodidae), to sticky traps baited with host odour and tested in the laboratory. <i>Annals of Tropical Medicine and Parasitology</i> , 1994, 88, 439-444.	1.6	13
64	Onchocerciasis in British cattle: a study of the transmission of <i>Onchocerca</i> sp. in North Wales. <i>Journal of Helminthology</i> , 1993, 67, 123-135.	0.4	12
65	Attraction and Trapping of <i>Aedes aegypti</i> (Diptera: Culicidae) with Host Odors in the Laboratory. <i>Journal of Medical Entomology</i> , 1996, 33, 177-179.	0.9	12
66	Evidence for the "invitation effect" during bloodfeeding by blackflies of the <i>Simulium damnosum</i> complex (Diptera: Simuliidae). <i>Journal of Insect Behavior</i> , 1997, 10, 299-303.	0.4	11
67	Quantifying late-stage host-seeking behaviour of <i>Anopheles gambiae</i> at the insecticidal net interface using a baited-box bioassay. <i>Malaria Journal</i> , 2020, 19, 140.	0.8	11
68	Pyriproxyfen-treated bed nets reduce reproductive fitness and longevity of pyrethroid-resistant <i>Anopheles gambiae</i> under laboratory and field conditions. <i>Malaria Journal</i> , 2021, 20, 273.	0.8	11
69	Evaluating Over-the-Counter Household Insecticide Aerosols for Rapid Vector Control of Pyrethroid-Resistant <i>Aedes aegypti</i> . <i>American Journal of Tropical Medicine and Hygiene</i> , 2020, 103, 2108-2112.	0.6	11
70	Concurrent circulation of dengue serotype 1, 2 and 3 among acute febrile patients in Cameroon. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009860.	1.3	11
71	Factors Associated with Correct and Consistent Insecticide Treated Curtain Use in Iquitos, Peru. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004409.	1.3	10
72	Experiences with insecticide-treated curtains: a qualitative study in Iquitos, Peru. <i>BMC Public Health</i> , 2016, 16, 582.	1.2	9

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73	Potential for Zika virus transmission by mosquitoes in temperate climates. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20200119.	1.2	9
74	First comprehensive analysis of <i>Aedes aegypti</i> bionomics during an arbovirus outbreak in west Africa: Dengue in Ouagadougou, Burkina Faso, 2016–2017. <i>PLoS Neglected Tropical Diseases</i> , 2022, 16, e0010059.	1.3	9
75	A closer look at the WHO cone bioassay: video analysis of the hidden effects of a human host on mosquito behaviour and insecticide contact. <i>Malaria Journal</i> , 2022, 21, .	0.8	9
76	On the possibility of bovine <i>Onchocerca</i> species infecting <i>Simulium damnosum</i> s.l. in the forest zone of Sierra Leone. <i>Annals of Tropical Medicine and Parasitology</i> , 1989, 83, 595-601.	1.6	8
77	3D tracking of mosquitoes: A field compatible technique to understand Malaria vector behaviour. , 2016, , .		8
78	The blackflies (Diptera: Simuliidae) of Bioko (Republic of Equatorial Guinea) and the Gulf of Guinea with a description of the larvae of the "Pomeroy" form of <i>Simulium cervicornutum</i> . <i>Systematic Entomology</i> , 2006, 31, 611-620.	1.7	6
79	Dengue control. <i>Lancet Infectious Diseases</i> , The, 2008, 8, 7-9.	4.6	6
80	Aggregated oviposition in <i>Simulium ochraceum</i> s.l. (Diptera: Simuliidae), an important Neotropical vector of <i>Onchocerca volvulus</i> . <i>Annals of Tropical Medicine and Parasitology</i> , 2003, 97, 203-207.	1.6	5
81	Assessment of a silhouette trap for sampling zoophilic blackflies (Diptera: Simuliidae). <i>Medical and Veterinary Entomology</i> , 1989, 3, 61-65.	0.7	4
82	Diffuse retro-reflective imaging for improved video tracking of mosquitoes at human baited bednets. <i>Royal Society Open Science</i> , 2020, 7, 191951.	1.1	4
83	A minimal 3D model of mosquito flight behaviour around the human baited bed net. <i>Malaria Journal</i> , 2021, 20, 24.	0.8	3
84	Improved three-dimensional localization of multiple small objects in close proximity in digital holography. <i>Applied Optics</i> , 2021, 60, A285.	0.9	3
85	The application of digital holography for accurate three-dimensional localisation of mosquito-bednet interaction. <i>Light Advanced Manufacturing</i> , 2022, 3, 1.	2.2	3
86	Infestation rates, seasonal distribution, and genetic diversity of ixodid ticks from livestock of various origins in two markets of Yaoundé, Cameroon. <i>Medical and Veterinary Entomology</i> , 0, , .	0.7	3
87	Evaluation of insecticide treated window curtains and water container covers for dengue vector control in a large-scale cluster-randomized trial in Venezuela. <i>PLoS Neglected Tropical Diseases</i> , 2022, 16, e0010135.	1.3	2
88	Mating competitiveness of irradiated <i>Glossina austenitsetse</i> flies. <i>Annals of Tropical Medicine and Parasitology</i> , 2004, 98, 539-542.	1.6	0
89	3D tracking of mosquitoes: Results from a whole room imaging system in Tanzania. , 2019, , .		0
90	Large field of view digital holographic metrology for 3D analysis of mosquito flight behaviour. , 2021, , .		0