

Tanya L Russell

List of Publications by Year in descending order

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77
papers

3,162
citations

172207

29
h-index

174990

52
g-index

89
all docs

89
docs citations

89
times ranked

2897
citing authors

#	ARTICLE	IF	CITATIONS
1	Arboviral Disease Outbreaks in the Pacific Islands Countries and Areas, 2014 to 2020: A Systematic Literature and Document Review. <i>Pathogens</i> , 2022, 11, 74.	1.2	10
2	Seroprevalence of dengue, Zika, chikungunya and Ross River viruses across the Solomon Islands. <i>PLoS Neglected Tropical Diseases</i> , 2022, 16, e0009848.	1.3	2
3	Zoonotic malaria transmission and land use change in Southeast Asia: what is known about the vectors. <i>Malaria Journal</i> , 2022, 21, 109.	0.8	22
4	The Effect of Sound Lure Frequency and Habitat Type on Male <i>Aedes albopictus</i> (Diptera: Culicidae) Capture Rates With the Male <i>Aedes</i> Sound Trap. <i>Journal of Medical Entomology</i> , 2021, 58, 708-716.	0.9	8
5	Estimating Contact Rates Between <i>Metarhizium anisopliae</i> “Exposed Males With Female <i>Aedes aegypti</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 616679.	1.8	4
6	Getting to zero: micro-foci of malaria in the Solomon Islands requires stratified control. <i>Malaria Journal</i> , 2021, 20, 248.	0.8	5
7	A global assessment of surveillance methods for dominant malaria vectors. <i>Scientific Reports</i> , 2021, 11, 15337.	1.6	5
8	Gene flow between island populations of the malaria mosquito, <i>Anopheles hinesorum</i> , may have contributed to the spread of divergent host preference phenotypes. <i>Evolutionary Applications</i> , 2021, 14, 2244-2257.	1.5	3
9	Dengue Serotypes Circulating in <i>Aedes aegypti</i> and Humans in a Poor or Peripheral Neighborhood at Reynosa, Mexico. <i>Southwestern Entomologist</i> , 2021, 45, .	0.1	2
10	Australian mosquito assemblages vary between ground and sub-canopy habitats. <i>Parasites and Vectors</i> , 2021, 14, 515.	1.0	1
11	Nextgen Vector Surveillance Tools: sensitive, specific, cost-effective and epidemiologically relevant. <i>Malaria Journal</i> , 2020, 19, 432.	0.8	16
12	Capacity of National Malaria Control Programmes to implement vector surveillance: a global analysis. <i>Malaria Journal</i> , 2020, 19, 422.	0.8	23
13	Protecting the peri-domestic environment: the challenge for eliminating residual malaria. <i>Scientific Reports</i> , 2020, 10, 7018.	1.6	10
14	Vector bionomics and vectorial capacity as emergent properties of mosquito behaviors and ecology. <i>PLoS Computational Biology</i> , 2020, 16, e1007446.	1.5	20
15	Vector bionomics and vectorial capacity as emergent properties of mosquito behaviors and ecology. , 2020, 16, e1007446.		0
16	Vector bionomics and vectorial capacity as emergent properties of mosquito behaviors and ecology. , 2020, 16, e1007446.		0
17	Vector bionomics and vectorial capacity as emergent properties of mosquito behaviors and ecology. , 2020, 16, e1007446.		0
18	Vector bionomics and vectorial capacity as emergent properties of mosquito behaviors and ecology. , 2020, 16, e1007446.		0

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19	Smallest <i>Anopheles farauti</i> occur during the peak transmission season in the Solomon Islands. <i>Malaria Journal</i> , 2019, 18, 208.	0.8	3
20	Human exposure to <i>Anopheles farauti</i> bites in the Solomon Islands is not associated with IgG antibody response to the gSG6 salivary protein of <i>Anopheles gambiae</i> . <i>Malaria Journal</i> , 2019, 18, 334.	0.8	14
21	Maximising mosquito collections from barrier screens: the impacts of physical design and operation parameters. <i>Parasites and Vectors</i> , 2019, 12, 31.	1.0	10
22	Unique fine scale village spatial-temporal distributions of <i>Anopheles farauti</i> differ by physiological state and sex. <i>Parasites and Vectors</i> , 2019, 12, 558.	1.0	0
23	A global analysis of National Malaria Control Programme vector surveillance by elimination and control status in 2018. <i>Malaria Journal</i> , 2019, 18, 399.	0.8	18
24	Defining the larval habitat: abiotic and biotic parameters associated with <i>Anopheles farauti</i> productivity. <i>Malaria Journal</i> , 2019, 18, 416.	0.8	2
25	Spatial-temporal heterogeneity in malaria receptivity is best estimated by vector biting rates in areas nearing elimination. <i>Parasites and Vectors</i> , 2018, 11, 606.	1.0	25
26	Mapping a <i>Plasmodium</i> transmission spatial suitability index in Solomon Islands: a malaria monitoring and control tool. <i>Malaria Journal</i> , 2018, 17, 381.	0.8	6
27	Fast and robust single PCR for <i>Plasmodium</i> sporozoite detection in mosquitoes using the cytochrome oxidase I gene. <i>Malaria Journal</i> , 2017, 16, 230.	0.8	39
28	Determinants of host feeding success by <i>Anopheles farauti</i> . <i>Malaria Journal</i> , 2016, 15, 152.	0.8	24
29	Human malaria diagnosis using a single-step direct-PCR based on the <i>Plasmodium</i> cytochrome oxidase III gene. <i>Malaria Journal</i> , 2016, 15, 128.	0.8	48
30	<i>Anopheles farauti</i> is a homogeneous population that blood feeds early and outdoors in the Solomon Islands. <i>Malaria Journal</i> , 2016, 15, 151.	0.8	25
31	Frequent blood feeding enables insecticide-treated nets to reduce transmission by mosquitoes that bite predominately outdoors. <i>Malaria Journal</i> , 2016, 15, 156.	0.8	41
32	Larval habitats of the <i>Anopheles farauti</i> and <i>Anopheles lungae</i> complexes in the Solomon Islands. <i>Malaria Journal</i> , 2016, 15, 164.	0.8	7
33	A generic schema and data collection forms applicable to diverse entomological studies of mosquitoes. <i>Source Code for Biology and Medicine</i> , 2016, 11, 4.	1.7	15
34	Copulation Activity, Sperm Production and Conidia Transfer in <i>Aedes aegypti</i> Males Contaminated by <i>Metarhizium anisopliae</i> : A Biological Control Prospect. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0004144.	1.3	11
35	The impact of livestock on the abundance, resting behaviour and sporozoite rate of malaria vectors in southern Tanzania. <i>Malaria Journal</i> , 2015, 14, 17.	0.8	74
36	Entomological Monitoring and Evaluation: Diverse Transmission Settings of ICEMR Projects Will Require Local and Regional Malaria Elimination Strategies. <i>American Journal of Tropical Medicine and Hygiene</i> , 2015, 93, 28-41.	0.6	27

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37	Highly evolvable malaria vectors: The genomes of 16 <i>Anopheles</i> mosquitoes. <i>Science</i> , 2015, 347, 1258522.	6.0	492
38	<i>Anopheles punctulatus</i> Group: Evolution, Distribution, and Control. <i>Annual Review of Entomology</i> , 2015, 60, 335-350.	5.7	26
39	Long-Term Insecticidal Activity and Physical Integrity of Olyset Nets in Tafea Province, Vanuatu. <i>Journal of Medical Entomology</i> , 2014, 51, 164-169.	0.9	6
40	The bionomics of the malaria vector <i>Anopheles farauti</i> in Northern Guadalcanal, Solomon Islands: issues for successful vector control. <i>Malaria Journal</i> , 2014, 13, 56.	0.8	19
41	Microsatellite and mitochondrial markers reveal strong gene flow barriers for <i>Anopheles farauti</i> in the Solomon Archipelago: implications for malaria vector control. <i>International Journal for Parasitology</i> , 2014, 44, 225-233.	1.3	14
42	Evaluating the feasibility of using insecticide quantification kits (IQK) for estimating cyanopyrethroid levels for indoor residual spraying in Vanuatu. <i>Malaria Journal</i> , 2014, 13, 178.	0.8	18
43	Evaluation of alternative mosquito sampling methods for malaria vectors in Lowland South - East Zambia. <i>Parasites and Vectors</i> , 2013, 6, 91.	1.0	52
44	Successful malaria elimination strategies require interventions that target changing vector behaviours. <i>Malaria Journal</i> , 2013, 12, 56.	0.8	135
45	Barrier screens: a method to sample blood-fed and host-seeking exophilic mosquitoes. <i>Malaria Journal</i> , 2013, 12, 49.	0.8	67
46	Geographic coincidence of increased malaria transmission hazard and vulnerability occurring at the periphery of two Tanzanian villages. <i>Malaria Journal</i> , 2013, 12, 24.	0.8	13
47	The impact of host species and vector control measures on the fitness of African malaria vectors. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20122823.	1.2	28
48	Vectorial Capacity of <i>Aedes aegypti</i> for Dengue Virus Type 2 Is Reduced with Co-infection of <i>Metarhizium anisopliae</i> . <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e2013.	1.3	33
49	Human exposure to anopheline mosquitoes occurs primarily indoors, even for users of insecticide-treated nets in Luangwa Valley, South-east Zambia. <i>Parasites and Vectors</i> , 2012, 5, 101.	1.0	97
50	Feasibility and acceptability of insecticide-treated plastic sheeting (ITPS) for vector control in Papua New Guinea. <i>Malaria Journal</i> , 2012, 11, 342.	0.8	11
51	An affordable, quality-assured community-based system for high-resolution entomological surveillance of vector mosquitoes that reflects human malaria infection risk patterns. <i>Malaria Journal</i> , 2012, 11, 172.	0.8	36
52	Exploiting the behaviour of wild malaria vectors to achieve high infection with fungal biocontrol agents. <i>Malaria Journal</i> , 2012, 11, 87.	0.8	49
53	A Modified Experimental Hut Design for Studying Responses of Disease-Transmitting Mosquitoes to Indoor Interventions: The Ifakara Experimental Huts. <i>PLoS ONE</i> , 2012, 7, e30967.	1.1	54
54	Infection of <i>Anopheles gambiae</i> mosquitoes with entomopathogenic fungi: effect of host age and blood-feeding status. <i>Parasitology Research</i> , 2011, 108, 317-322.	0.6	54

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55	Survival of anopheline eggs and their susceptibility to infection with <i>Metarhizium anisopliae</i> and <i>Beauveria bassiana</i> under laboratory conditions. <i>Parasitology Research</i> , 2011, 109, 751-758.	0.6	11
56	Bionomics of the malaria vector <i>Anopheles farauti</i> in Temotu Province, Solomon Islands: issues for malaria elimination. <i>Malaria Journal</i> , 2011, 10, 133.	0.8	62
57	Influence of environmental factors on the abundance of <i>Anopheles farauti</i> larvae in large brackish water streams in Northern Guadalcanal, Solomon Islands. <i>Malaria Journal</i> , 2011, 10, 262.	0.8	27
58	Changes in vector species composition and current vector biology and behaviour will favour malaria elimination in Santa Isabel Province, Solomon Islands. <i>Malaria Journal</i> , 2011, 10, 287.	0.8	46
59	Increased proportions of outdoor feeding among residual malaria vector populations following increased use of insecticide-treated nets in rural Tanzania. <i>Malaria Journal</i> , 2011, 10, 80.	0.8	534
60	Linking individual phenotype to density-dependent population growth: the influence of body size on the population dynamics of malaria vectors. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 3142-3151.	1.2	60
61	Impact of promoting longer-lasting insecticide treatment of bed nets upon malaria transmission in a rural Tanzanian setting with pre-existing high coverage of untreated nets. <i>Malaria Journal</i> , 2010, 9, 187.	0.8	146
62	Screening Mosquito House Entry Points as a Potential Method for Integrated Control of Endophagic Filariasis, Arbovirus and Malaria Vectors. <i>PLoS Neglected Tropical Diseases</i> , 2010, 4, e773.	1.3	103
63	An extra-domiciliary method of delivering entomopathogenic fungus, <i>Metarhizium anisopliae</i> IP 46 for controlling adult populations of the malaria vector, <i>Anopheles arabiensis</i> . <i>Parasites and Vectors</i> , 2010, 3, 18.	1.0	42
64	Anopheline and culicine mosquitoes are not repelled by surfaces treated with the entomopathogenic fungi <i>Metarhizium anisopliae</i> and <i>Beauveria bassiana</i> . <i>Parasites and Vectors</i> , 2010, 3, 80.	1.0	35
65	A new resting trap to sample fungus-infected mosquitoes, and the pathogenicity of <i>Lecanicillium muscarium</i> to culicid adults. <i>Acta Tropica</i> , 2010, 116, 105-107.	0.9	11
66	Exploiting the behaviour of wild malaria vectors to achieve high infection with entomopathogenic fungus. <i>Malaria Journal</i> , 2010, 9, .	0.8	1
67	Tools for delivering entomopathogenic fungi to malaria mosquitoes: effects of delivery surfaces on fungal efficacy and persistence. <i>Malaria Journal</i> , 2010, 9, 246.	0.8	33
68	Conservation of the false water rat (<i>Xeromys myoides</i>) depends on landscape complementation. <i>Australian Mammalogy</i> , 2009, 31, 81.	0.7	5
69	Quality Assurance of Aerial Applications of Larvicides for Mosquito Control: Effects of Granule and Catch Tray Size on Field Monitoring Programs. <i>Journal of Economic Entomology</i> , 2009, 102, 507-514.	0.8	3
70	First report of <i>Metarhizium anisopliae</i> IP 46 pathogenicity in adult <i>Anopheles gambiae</i> s.s. and <i>An. arabiensis</i> (Diptera; Culicidae). <i>Parasites and Vectors</i> , 2009, 2, 59.	1.0	31
71	Infection of the malaria mosquito, <i>Anopheles gambiae</i> , with two species of entomopathogenic fungi: effects of concentration, co-formulation, exposure time and persistence. <i>Malaria Journal</i> , 2009, 8, 309.	0.8	58
72	Environmental effects of mosquito insecticides on saltmarsh invertebrate fauna. <i>Aquatic Biology</i> , 2009, 6, 77-90.	0.5	32

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73	Biologically based insecticides for the control of immature Australian mosquitoes: a review. Australian Journal of Entomology, 2008, 47, 232-242.	1.1	37
74	Establishment of a large semi-field system for experimental study of African malaria vector ecology and control in Tanzania. Malaria Journal, 2008, 7, 158.	0.8	100
75	Efficacy of VectoBac (<i>Bacillus thuringiensis</i> variety <i>israelensis</i>) Formulations for Mosquito Control in Australia. Journal of Economic Entomology, 2003, 96, 1786-1791.	0.8	19
76	Efficacy of VectoBac (<i>Bacillus thuringiensis</i> variety <i>israelensis</i>) Formulations for Mosquito Control in Australia. Journal of Economic Entomology, 2003, 96, 1786-1791.	0.8	32
77	The Systematics and Bionomics of Malaria Vectors in the Southwest Pacific. , 0, , .		9