Nora J Besansky

List of Publications by Year in descending order

92 papers	7,285 citations	57758 44 h-index	64796 79 g-index
97 all docs	97 docs citations	97 times ranked	6099 citing authors

#	Article	IF	Citations
1	Discovery of Ongoing Selective Sweeps withinAnophelesMosquito Populations Using Deep Learning. Molecular Biology and Evolution, 2021, 38, 1168-1183.	8.9	25
2	A PCR-RFLP method for genotyping of inversion 2Rc in Anopheles coluzzii. Parasites and Vectors, 2021, 14, 174.	2.5	3
3	Highly specific PCR-RFLP assays for karyotyping the widespread 2Rb inversion in malaria vectors of the Anopheles gambiae complex. Parasites and Vectors, 2020, 13, 16.	2.5	9
4	Evolutionary superscaffolding and chromosome anchoring to improve Anopheles genome assemblies. BMC Biology, 2020, 18, 1.	3.8	177
5	High-Throughput Genotyping of Common Chromosomal Inversions in the Afrotropical Malaria Mosquito Anopheles Funestus. Insects, 2020, 11, 693.	2.2	7
6	Assessing connectivity despite high diversity in island populations of a malaria mosquito. Evolutionary Applications, 2020, 13, 417-431.	3.1	11
7	Radiation with reticulation marks the origin of a major malaria vector. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 31583-31590.	7.1	29
8	Inversion Genotyping in the Anopheles gambiae Complex Using High-Throughput Array and Sequencing Platforms. G3: Genes, Genomes, Genetics, 2020, 10, 3299-3307.	1.8	8
9	Malaria mosquitoes go with the flow. Nature, 2019, 574, 340-341.	27.8	0
10	A chromosome-scale assembly of the major African malaria vector Anopheles funestus. GigaScience, 2019, 8, .	6.4	56
11	In Silico Karyotyping of Chromosomally Polymorphic Malaria Mosquitoes in the Anopheles gambiae Complex. G3: Genes, Genomes, Genetics, 2019, 9, 3249-3262.	1.8	24
12	Fine-Mapping Complex Inversion Breakpoints and Investigating Somatic Pairing in theAnopheles gambiaeSpecies Complex Using Proximity-Ligation Sequencing. Genetics, 2019, 213, 1495-1511.	2.9	27
13	Association mapping desiccation resistance within chromosomal inversions in the African malaria vector Anopheles gambiae. Molecular Ecology, 2019, 28, 1333-1342.	3.9	51
14	Spatio-temporal genetic structure of Anopheles gambiae in the Northwestern Lake Victoria Basin, Uganda: implications for genetic control trials in malaria endemic regions. Parasites and Vectors, 2018, 11, 246.	2.5	11
15	Systems genetic analysis of inversion polymorphisms in the malaria mosquito Anopheles gambiae. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E7005-E7014.	7.1	47
16	Reduced-representation sequencing identifies small effective population sizes of Anopheles gambiae in the north-western Lake Victoria basin, Uganda. Malaria Journal, 2018, 17, 285.	2.3	7
17	Powerful methods for detecting introgressed regions from population genomic data. Molecular Ecology, 2016, 25, 2387-2397.	3.9	78
18	Radical remodeling of the Y chromosome in a recent radiation of malaria mosquitoes. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E2114-23.	7.1	92

#	Article	IF	Citations
19	How reticulated are species?. BioEssays, 2016, 38, 140-149.	2.5	449
20	Chromosomal inversions and ecotypic differentiation in Anopheles gambiae: the perspective from wholeâ€genome sequencing. Molecular Ecology, 2016, 25, 5889-5906.	3.9	35
21	Transcriptomic differences between euryhaline and stenohaline malaria vector sibling species in response to salinity stress. Molecular Ecology, 2016, 25, 2210-2225.	3.9	17
22	Habitat segregation and ecological character displacement in cryptic African malaria mosquitoes. Evolutionary Applications, 2015, 8, 326-345.	3.1	75
23	Extensive introgression in a malaria vector species complex revealed by phylogenomics. Science, 2015, 347, 1258524.	12.6	527
24	Highly evolvable malaria vectors: The genomes of 16 Anopheles mosquitoes. Science, 2015, 347, 1258522.	12.6	492
25	How vector mosquitoes beat the heat. Nature, 2014, 516, 334-335.	27.8	5
26	Gene expression divergence between malaria vector sibling species Anopheles gambiae and An.Âcoluzzii from rural and urban YaoundÃ© Cameroon. Molecular Ecology, 2014, 23, 2242-2259.	3.9	28
27	Cuticular differences associated with aridity acclimation in African malaria vectors carrying alternative arrangements of inversion 2La. Parasites and Vectors, 2014, 7, 176.	2.5	34
28	Mosquitoes. Current Biology, 2014, 24, R14-R15.	3.9	12
29	Physiological correlates of ecological divergence along an urbanization gradient: differential tolerance to ammonia among molecular forms of the malaria mosquito Anopheles gambiae. BMC Ecology, 2013, 13, 1.	3.0	67
30	Dose and developmental responses of Anopheles merus larvae to salinity. Journal of Experimental Biology, 2013, 216, 3433-3441.	1.7	32
31	The Evolution of the Anopheles 16 Genomes Project. G3: Genes, Genomes, Genetics, 2013, 3, 1191-1194.	1.8	49
32	Anopheles coluzzii and Anopheles amharicus, new members of the Anopheles gambiae complex. Zootaxa, 2013, 3619, .	0.5	411
33	Anopheles coluzzii and Anopheles amharicus, new members of the Anopheles gambiae complex. Zootaxa, 2013, 3619, 246-74.	0.5	272
34	Ecological Genomics of Anopheles gambiae Along a Latitudinal Cline: A Population-Resequencing Approach. Genetics, 2012, 190, 1417-1432.	2.9	157
35	Patterns of Genomic Differentiation between Ecologically Differentiated M and S Forms of Anopheles gambiae in West and Central Africa. Genome Biology and Evolution, 2012, 4, 1202-1212.	2.5	57
36	Spatially Explicit Analyses of Anopheline Mosquitoes Indoor Resting Density: Implications for Malaria Control. PLoS ONE, 2012, 7, e31843.	2.5	16

#	Article	IF	Citations
37	Adaptation to Aridity in the Malaria Mosquito Anopheles gambiae: Chromosomal Inversion Polymorphism and Body Size Influence Resistance to Desiccation. PLoS ONE, 2012, 7, e34841.	2.5	80
38	Anthropogenic Habitat Disturbance and Ecological Divergence between Incipient Species of the Malaria Mosquito Anopheles gambiae. PLoS ONE, 2012, 7, e39453.	2.5	123
39	Evolution of Anopheles gambiae in Relation to Humans and Malaria. Annual Review of Ecology, Evolution, and Systematics, 2011, 42, 111-132.	8.3	87
40	Divergent transcriptional response to thermal stress by Anopheles gambiae larvae carrying alternative arrangements of inversion 2La. Molecular Ecology, 2011, 20, 2567-2580.	3.9	37
41	Adaptive divergence between incipient species of Anopheles gambiae increases resistance to Plasmodium. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 244-249.	7.1	97
42	Evolutionary Dynamics of the Ty3/Gypsy LTR Retrotransposons in the Genome of Anopheles gambiae. PLoS ONE, 2011, 6, e16328.	2.5	15
43	The â€œFar-Westâ€•of Anopheles gambiae Molecular Forms. PLoS ONE, 2011, 6, e16415.	2.5	62
44	Genetic association of physically unlinked islands of genomic divergence in incipient species of Anopheles gambiae. Molecular Ecology, 2010, 19, 925-939.	3.9	123
45	A behavioral mechanism underlying ecological divergence in the malaria mosquito Anopheles gambiae. Behavioral Ecology, 2010, 21, 1087-1092.	2.2	76
46	Breakpoint structure of the Anopheles gambiae 2Rb chromosomal inversion. Malaria Journal, 2010, 9, 293.	2.3	40
47	Comparative Analysis of the Global Transcriptome of Anopheles funestus from Mali, West Africa. PLoS ONE, 2009, 4, e7976.	2.5	13
48	The Population Genomics of Trans-Specific Inversion Polymorphisms in Anopheles gambiae. Genetics, 2009, 183, 275-288.	2.9	47
49	Living at the edge: biogeographic patterns of habitat segregation conform to speciation by niche expansion in Anopheles gambiae. BMC Ecology, 2009, 9, 16.	3.0	174
50	Ecological niche partitioning between Anopheles gambiae molecular forms in Cameroon: the ecological side of speciation. BMC Ecology, 2009, 9, 17.	3.0	211
51	Seasonal distribution of Anopheles funestus chromosomal forms from Burkina Faso. Malaria Journal, 2009, 8, 239.	2.3	24
52	Inversion 2La is associated with enhanced desiccation resistance in Anopheles gambiae. Malaria Journal, 2009, 8, 215.	2.3	77
53	2La chromosomal inversion enhances thermal tolerance of Anopheles gambiae larvae. Malaria Journal, 2009, 8, 147.	2.3	54
54	Differential gene expression in incipient species of Anopheles gambiae. Molecular Ecology, 2008, 17, 2491-2504.	3.9	46

#	Article	IF	Citations
55	Chromosomal plasticity and evolutionary potential in the malaria vector Anopheles gambiae sensu stricto: insights from three decades of rare paracentric inversions. BMC Evolutionary Biology, 2008, 8, 309.	3.2	60
56	A test of the chromosomal theory of ecotypic speciation in Anopheles gambiae. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 2940-2945.	7.1	74
57	Localization of Candidate Regions Maintaining a Common Polymorphic Inversion (2La) in Anopheles gambiae. PLoS Genetics, 2007, 3, e217.	3.5	75
58	PCR-based karyotyping of Anopheles gambiae inversion 2Rj identifies the BAMAKO chromosomal form. Malaria Journal, 2007, 6, 133.	2.3	17
59	Segmental Duplication Implicated in the Genesis of Inversion 2Rj of Anopheles gambiae. PLoS ONE, 2007, 2, e849.	2.5	28
60	Polymorphism at the defensin gene in the Anopheles gambiae complex: Testing different selection hypotheses. Infection, Genetics and Evolution, 2007, 7, 285-292.	2.3	30
61	MOLECULAR KARYOTYPING OF THE 2LA INVERSION IN ANOPHELES GAMBIAE. American Journal of Tropical Medicine and Hygiene, 2007, 76, 334-339.	1.4	67
62	Molecular karyotyping of the 2La inversion in Anopheles gambiae. American Journal of Tropical Medicine and Hygiene, 2007, 76, 334-9.	1.4	48
63	Effective population size of Anopheles funestus chromosomal forms in Burkina Faso. Malaria Journal, 2006, 5, 115.	2.3	16
64	Analysis of the complete mitochondrial DNA from Anopheles funestus: An improved dipteran mitochondrial genome annotation and a temporal dimension of mosquito evolution. Molecular Phylogenetics and Evolution, 2006, 39, 417-423.	2.7	184
65	Gene Finding on the Y: Fruitful Strategy in Drosophila does not Deliver in Anopheles. Genetica, 2006, 126, 369-375.	1.1	9
66	Breakpoint structure reveals the unique origin of an interspecific chromosomal inversion (2La) in the Anopheles gambiae complex. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 6258-6262.	7.1	102
67	Divergence With Gene Flow in Anopheles funestus From the Sudan Savanna of Burkina Faso, West Africa. Genetics, 2006, 173, 1389-1395.	2.9	32
68	Variation in recombination rate across the X chromosome of Anopheles gambiae. American Journal of Tropical Medicine and Hygiene, 2006, 75, 901-3.	1.4	33
69	Sex-Linked Differentiation Between Incipient Species of Anopheles gambiae. Genetics, 2005, 169, 1509-1519.	2.9	50
70	An Integrated Genetic and Physical Map for the Malaria Vector Anopheles funestus. Genetics, 2005, 171, 1779-1787.	2.9	20
71	Satellite DNA From the Y Chromosome of the Malaria Vector Anopheles gambiaeSequence data from this article have been deposited with the EMBL/GenBank Data Libraries under accession nos. AY754141, AY754312.. Genetics, 2005, 169, 185-196.	2.9	33
72	Centromere-proximal differentiation and speciation in Anopheles gambiae. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 15930-15935.	7.1	96

#	Article	IF	Citations
73	Genetic structure of Anopheles gambiae populations on islands in northwestern Lake Victoria, Uganda. Malaria Journal, 2005, 4, 59.	2.3	21
74	Isolation and Characterization of Y Chromosome Sequences From the African Malaria Mosquito Anopheles gambiae. Genetics, 2004, 166, 1291-1302.	2.9	47
75	No accounting for taste: host preference in malaria vectors. Trends in Parasitology, 2004, 20, 249-251.	3.3	73
76	Dynamics of the pyrethroid knockdown resistance allele in western Kenyan populations of Anopheles gambiae in response to insecticide-treated bed net trials. American Journal of Tropical Medicine and Hygiene, 2004, 70, 591-6.	1.4	93
77	DNA barcoding of parasites and invertebrate disease vectors: what you don't know can hurt you. Trends in Parasitology, 2003, 19, 545-546.	3.3	118
78	Molecular Systematics ofAnopheles: From Subgenera to Subpopulations. Annual Review of Entomology, 2003, 48, 111-139.	11.8	150
79	Frequent Intron Loss in the White Gene: A Cautionary Tale for Phylogeneticists. Molecular Biology and Evolution, 2002, 19, 362-366.	8.9	38
80	Inversions and Gene Order Shuffling in Anopheles gambiae and A. funestus. Science, 2002, 298, 182-185.	12.6	110
81	Structure and Evolution of mtanga, a Retrotransposon Actively Expressed on the Y Chromosome of the African Malaria Vector Anopheles gambiae. Molecular Biology and Evolution, 2002, 19, 149-162.	8.9	22
82	Bloodthirsty Hitchhikers?. Science, 2002, 295, 973-973.	12.6	0
83	Evolution of Mitochondrial and Ribosomal Gene Sequences in Anophelinae (Diptera: Culicidae): Implications for Phylogeny Reconstruction. Molecular Phylogenetics and Evolution, 2001, 18, 479-487.	2.7	80
84	The Anopheles gambiae tryptophan oxygenase gene expressed from a baculovirus promoter complements Drosophila melanogaster vermilion. Insect Biochemistry and Molecular Biology, 1997, 27, 803-805.	2.7	13
85	The Anopheles albimanus white gene: molecular characterization of the gene and a spontaneous white gene mutation. Genetica, 1997, 101, 87-96.	1.1	7
86	Patterns of Mitochondrial Variation Within and Between African Malaria Vectors, Anopheles gambiae and An. arabiensis, Suggest Extensive Gene Flow. Genetics, 1997, 147, 1817-1828.	2.9	119
87	An Anopheles gambiae cDNA predicts a protein similar to a yeast Suil translation factor. Gene, 1994, 141, 299-300.	2.2	5
88	Unintegrated Two-Long Terminal Repeat Circular Human T Lymphotropic Virus DNA Accumulation During Chronic HTLV Infection. AIDS Research and Human Retroviruses, 1993, 9, 1167-1172.	1.1	6
89	Molecular Perspectives on the Genetics of Mosquitoes. Advances in Genetics, 1992, 30, 123-184.	1.8	36
90	Reassociation Kinetics of Anopheles gambiae (Diptera: Culicidae) DNA. Journal of Medical Entomology, 1992, 29, 125-128.	1.8	63

#	Article	IF	Citations
91	Extrachromosomal human immunodeficiency virus type-1 DNA can initiate a spreading infection of HL-60 cells. Journal of Cellular Biochemistry, 1991, 45, 366-373.	2.6	12
92	A Ribosomal RNA Gene Probe Differentiates Member Species of the Anopheles gambiae Complex. American Journal of Tropical Medicine and Hygiene, 1987, 37, 37-41.	1.4	508