Darren J Obbard

List of Publications by Year
in descending order

58 papers	3,997 citations	147801 31 h-index	138484 58 g-index
76 all docs	76 docs citations	76 times ranked	5222 citing authors

#	Article	IF	Citations
1	The evolution of RNAi as a defence against viruses and transposable elements. Philosophical Transactions of the Royal Society B: Biological Sciences, 2009, 364, 99-115.	4.0	423
2	The Discovery, Distribution, and Evolution of Viruses Associated with Drosophila melanogaster. PLoS Biology, 2015, 13, e1002210.	5.6	272
3	Natural Selection Drives Extremely Rapid Evolution in Antiviral RNAi Genes. Current Biology, 2006, 16, 580-585.	3.9	270
4	Estimating Divergence Dates and Substitution Rates in the Drosophila Phylogeny. Molecular Biology and Evolution, 2012, 29, 3459-3473.	8.9	230
5	Quantifying Adaptive Evolution in the Drosophila Immune System. PLoS Genetics, 2009, 5, e1000698.	3.5	219
6	Host Phylogeny Determines Viral Persistence and Replication in Novel Hosts. PLoS Pathogens, 2011, 7, e1002260.	4.7	172
7	Polyploidy and the sexual system: what can we learn from Mercurialis annua?. Biological Journal of the Linnean Society, 2004, 82, 547-560.	1.6	121
8	Induction and suppression of tick cell antiviral RNAi responses by tick-borne flaviviruses. Nucleic Acids Research, 2014, 42, 9436-9446.	14.5	118
9	Genomic Analysis of European Drosophila melanogaster Populations Reveals Longitudinal Structure, Continent-Wide Selection, and Previously Unknown DNA Viruses. Molecular Biology and Evolution, 2020, 37, 2661-2678.	8.9	104
10	Simple allelic-phenotype diversity and differentiation statistics for allopolyploids. Heredity, 2006, 97, 296-303.	2.6	102
11	Duplication and Diversification of Dipteran Argonaute Genes, and the Evolutionary Divergence of Piwi and Aubergine. Genome Biology and Evolution, 2016, 8, 507-518.	2.5	98
12	Metagenomic sequencing suggests a diversity of RNA interference-like responses to viruses across multicellular eukaryotes. PLoS Genetics, 2018, 14, e1007533.	3.5	95
13	Twenty-Five New Viruses Associated with the Drosophilidae (Diptera). Evolutionary Bioinformatics, 2016, 12s2, EBO.S39454.	1.2	92
14	HYBRIDIZATION, POLYPLOIDY, AND THE EVOLUTION OF SEXUAL SYSTEMS IN MERCURIALIS (EUPHORBIACEAE). Evolution; International Journal of Organic Evolution, 2006, 60, 1801-1815.	2.3	83
15	Sexual Systems and Population Genetic Structure in an Annual Plant: Testing the Metapopulation Model. American Naturalist, 2006, 167, 354-366.	2.1	81
16	Novel Drosophila Viruses Encode Host-Specific Suppressors of RNAi. PLoS Pathogens, 2014, 10, e1004256.	4.7	75
17	The evolution, diversity, and host associations of rhabdoviruses. Virus Evolution, 2015, 1, vev014.	4.9	68
18	The virome of Drosophila suzukii, an invasive pest of soft fruit. Virus Evolution, 2018, 4, vey009.	4.9	67

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19	The recent spread of a vertically transmitted virus through populations of Drosophila melanogaster. Molecular Ecology, 2007, 16, 3947-3954.	3.9	61
20	Sigma viruses from three species of Drosophila form a major new clade in the rhabdovirus phylogeny. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 35-44.	2.6	60
21	Recent and Recurrent Selective Sweeps of the Antiviral RNAi Gene Argonaute-2 in Three Species of Drosophila. Molecular Biology and Evolution, 2011, 28, 1043-1056.	8.9	55
22	RNA-Interference Pathways Display High Rates of Adaptive Protein Evolution in Multiple Invertebrates. Genetics, 2018, 208, 1585-1599.	2.9	53
23	Isolation of a natural DNA virus of Drosophila melanogaster, and characterisation of host resistance and immune responses. PLoS Pathogens, 2018, 14, e1007050.	4.7	52
24	Suppressors of RNAi from plant viruses are subject to episodic positive selection. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20130965.	2.6	51
25	Alternative splicing of the Anopheles gambiae Dscam gene in diverse Plasmodium falciparum infections. Malaria Journal, 2011, 10, 156.	2.3	49
26	The age and evolution of an antiviral resistance mutation in Drosophila melanogaster. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 2027-2034.	2.6	48
27	The evolution of TEP1, an exceptionally polymorphic immunity gene in Anopheles gambiae. BMC Evolutionary Biology, 2008, 8, 274.	3.2	47
28	Immune genes undergo more adaptive evolution than non-immune system genes in Daphnia pulex. BMC Evolutionary Biology, 2012, 12, 63.	3.2	47
29	Rhabdoviruses in Two Species of Drosophila: Vertical Transmission and a Recent Sweep. Genetics, 2011, 188, 141-150.	2.9	45
30	Fighting strategies in two species of fig wasp. Animal Behaviour, 2008, 76, 315-322.	1.9	39
31	A new lineage of segmented RNA viruses infecting animals. Virus Evolution, 2020, 6, vez061.	4.9	37
32	Drosophila Evolution over Space and Time (DEST): A New Population Genomics Resource. Molecular Biology and Evolution, 2021, 38, 5782-5805.	8.9	37
33	Mitogenome phylogeographic analysis of a planktonic crustacean. Molecular Phylogenetics and Evolution, 2018, 129, 138-148.	2.7	36
34	The genetics of hostâ€“virus coevolution in invertebrates. Current Opinion in Virology, 2014, 8, 73-78.	5.4	35
35	Induction and Suppression of NF-ÎºB Signalling by a DNA Virus of Drosophila. Journal of Virology, 2019, 93, .	3.4	35
36	Molecular evolution and phylogenetics of rodent malaria parasites. BMC Evolutionary Biology, 2012, 12, 219.	3.2	33

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37	Expansion of the metazoan virosphere: progress, pitfalls, and prospects. Current Opinion in Virology, 2018, 31, 17-23.	5.4	33
38	Vertically transmitted rhabdoviruses are found across three insect families and have dynamic interactions with their hosts. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20162381.	2.6	32
39	Population genetics of Plasmodium resistance genes in Anopheles gambiae: no evidence for strong selection. Molecular Ecology, 2007, 16, 3497-3510.	3.9	31
40	Hybridization and pre-zygotic reproductive barriers inPlasmodium. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20143027.	2.6	31
41	Probing the primacy of the patch: what makes a metapopulation?. Journal of Ecology, 2003, 91, 485-488.	4.0	30
42	Host-switching by a vertically transmitted rhabdovirus in Drosophila. Biology Letters, 2011, 7, 747-750.	2.3	26
43	Are arthropods at the heart of virus evolution?. ELife, 2015, 4, .	6.0	26
44	The discovery, distribution, and diversity of DNA viruses associated withDrosophila melanogasterin Europe. Virus Evolution, 2021, 7, veab031.	4.9	25
45	Inferring selection in the Anopheles gambiae species complex: an example from immune-related serine protease inhibitors. Malaria Journal, 2009, 8, 117.	2.3	24
46	Hybridization, polyploidy, and the evolution of sexual systems in Mercurialis (Euphorbiaceae). Evolution; International Journal of Organic Evolution, 2006, 60, 1801-15.	2.3	21
47	Male morphology and dishonest signalling in a fig wasp. Animal Behaviour, 2009, 78, 147-153.	1.9	20
48	Repeated Duplication of Argonaute2 Is Associated with Strong Selection and Testis Specialization in Drosophila. Genetics, 2016, 204, 757-769.	2.9	20
49	Parasitism and breeding system variation in North American populations of Daphnia pulex. Ecological Research, 2008, 23, 235-240.	1.5	17
50	RNA Interference: Endogenous siRNAs Derived from Transposable Elements. Current Biology, 2008, 18, R561-R563.	3.9	16
51	Widespread gene duplication and adaptive evolution in the RNA interference pathways of the Drosophila obscura group. BMC Evolutionary Biology, 2019, 19, 99.	3.2	15
52	Recent insights into the evolution of innate viral sensing in animals. Current Opinion in Microbiology, 2014, 20, 170-175.	5.1	12
53	Variation and Evolution in the Glutamine-Rich Repeat Region of Drosophila Argonaute-2. G3: Genes, Genomes, Genetics, 2016, 6, 2563-2572.	1.8	12
54	Virus Prevalence and Genetic Diversity Across a Wild Bumblebee Community. Frontiers in Microbiology, 2021, 12, 650747.	3.5	10

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55	Symptoms of population range expansion: lessons from phenotypic and genetic differentiation in hexaploidMercurialis annua. Plant Ecology and Diversity, 2010, 3, 103-108.	2.4	8
56	Population-Genomic Analysis Identifies a Low Rate of Global Adaptive Fixation in the Proteins of the Cyclical ParthenogenDaphnia magna. Molecular Biology and Evolution, 2022, 39, .	8.9	8
57	A Magnesium Transport Protein Related to Mammalian SLC41 and Bacterial MgtE Contributes to Circadian Timekeeping in a Unicellular Green Alga. Genes, 2019, 10, 158.	2.4	7
58	HYBRIDIZATION, POLYPLOIDY, AND THE EVOLUTION OF SEXUAL SYSTEMS IN MERCURIALIS (EUPHORBIACEAE). Evolution; International Journal of Organic Evolution, 2006, 60, 1801.	2.3	5