Claire L Donald

List of Publications by Year
in descending order

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26 papers	1,491 citations	567281 15 h-index	610901 24 g-index
27 all docs	27 docs citations	27 times ranked	2801 citing authors

#	Article	IF	Citations
1	SARM1 Depletion Slows Axon Degeneration in a CNS Model of Neurotropic Viral Infection. Frontiers in Molecular Neuroscience, 2022, 15, 860410.	2.9	8
2	A plasmid DNA-launched SARS-CoV-2 reverse genetics system and coronavirus toolkit for COVID-19 research. PLoS Biology, 2021, 19, e3001091.	5.6	163
3	Analysis of Zika virus capsid-Aedes aegypti mosquito interactome reveals pro-viral host factors critical for establishing infection. Nature Communications, 2021, 12, 2766.	12.8	19
4	Oligodendrocytes are susceptible to Zika virus infection in a mouse model of perinatal exposure: Implications for CNS complications. Glia, 2021, 69, 2023-2036.	4.9	17
5	Zika Virus Infection Leads to Demyelination and Axonal Injury in Mature CNS Cultures. Viruses, 2021, 13, 91.	3.3	17
6	Limited replication of human cytomegalovirus in a trophoblast cell line. Journal of General Virology, 2021, 102, .	2.9	0
7	Toxorhynchites Species: A Review of Current Knowledge. Insects, 2020, 11, 747.	2.2	21
8	Glucose-Regulated Protein 78 Interacts with Zika Virus Envelope Protein and Contributes to a Productive Infection. Viruses, 2020, 12, 524.	3.3	14
9	The Aedes aegypti Domino Ortholog p400 Regulates Antiviral Exogenous Small Interfering RNA Pathway Activity and ago-2 Expression. MSphere, 2020, 5, .	2.9	12
10	The Transcriptional and Protein Profile From Human Infected Neuroprogenitor Cells Is Strongly Correlated to Zika Virus Microcephaly Cytokines Phenotype Evidencing a Persistent Inflammation in the CNS. Frontiers in Immunology, 2019, 10, 1928.	4.8	49
11	The circadian clock components BMAL1 and REV-ERBÎ± regulate flavivirus replication. Nature Communications, 2019, 10, 377.	12.8	71
12	Infection with a Brazilian isolate of Zika virus generates RIGâ€‘stimulatory RNA and the viral NS5 protein blocks type I IFN induction and signaling. European Journal of Immunology, 2018, 48, 1120-1136.	2.9	106
13	Antiviral RNA Interference Activity in Cells of the Predatory Mosquito, Toxorhynchites amboinensis. Viruses, 2018, 10, 694.	3.3	7
14	Rational Zika vaccine design via the modulation of antigen membrane anchors in chimpanzee adenoviral vectors. Nature Communications, 2018, 9, 2441.	12.8	69
15	Mitigating the risk of Zika virus contamination of raw materials and cell lines in the manufacture of biologicals. Journal of General Virology, 2018, 99, 219-229.	2.9	2
16	Inhibition of type I interferon induction and signalling by mosquito-borne flaviviruses. Cellular Microbiology, 2017, 19, e12737.	2.1	27
17	Aedes aegypti Piwi4 Is a Noncanonical PIWI Protein Involved in Antiviral Responses. MSphere, 2017, 2, .	2.9	92
18	Differential effects of lipid biosynthesis inhibitors on Zika and Semliki Forest viruses. Veterinary Journal, 2017, 230, 62-64.	1.7	8

#	Article	IF	Citations
19	Characterization of the Zika virus induced small RNA response in Aedes aegypti cells. PLoS Neglected Tropical Diseases, 2017, 11, e0006010.	3.0	76
20	Full Genome Sequence and sfRNA Interferon Antagonist Activity of Zika Virus from Recife, Brazil. PLoS Neglected Tropical Diseases, 2016, 10, e0005048.	3.0	193
21	Fighting Arbovirus Transmission: Natural and Engineered Control of Vector Competence in Aedes Mosquitoes. Insects, 2015, 6, 236-278.	2.2	65
22	Characterization of Aedes aegypti Innate-Immune Pathways that Limit Chikungunya Virus Replication. PLoS Neglected Tropical Diseases, 2014, 8, e2994.	3.0	110
23	Knockdown of piRNA pathway proteins results in enhanced Semliki Forest virus production in mosquito cells. Journal of General Virology, 2014, 95, 244-244.	2.9	0
24	Knockdown of piRNA pathway proteins results in enhanced Semliki Forest virus production in mosquito cells. Journal of General Virology, 2013, 94, 1680-1689.	2.9	184
25	New Insights into Control of Arbovirus Replication and Spread by Insect RNA Interference Pathways. Insects, 2012, 3, 511-531.	2.2	58
26	Antiviral RNA Interference Responses Induced by Semliki Forest Virus Infection of Mosquito Cells: Characterization, Origin, and Frequency-Dependent Functions of Virus-Derived Small Interfering RNAs. Journal of Virology, 2011, 85, 2907-2917.	3.4	99