Rollie J Clem

List of Publications by Year
in descending order

68 papers	7,557 citations	109321 35 h-index	118850 62 g-index
69 all docs	69 docs citations	69 times ranked	5664 citing authors

#	Article	IF	Citations
1	Investigation of Biological Factors Contributing to Individual Variation in Viral Titer after Oral Infection of Aedes aegypti Mosquitoes by Sindbis Virus. Viruses, 2022, 14, 131.	3.3	7
2	Infection of Aedes aegypti Mosquitoes with Midgut-Attenuated Sindbis Virus Reduces, but Does Not Eliminate, Disseminated Infection. Journal of Virology, 2021, 95, e0013621.	3.4	6
3	Effects of Manipulating Fibroblast Growth Factor Expression on Sindbis Virus Replication In Vitro and in Aedes aegypti Mosquitoes. Viruses, 2020, 12, 943.	3.3	2
4	Inhibition of dicer activity in lepidopteran and dipteran cells by baculovirus-mediated expression of Flock House virus B2. Scientific Reports, 2019, 9, 14494.	3.3	6
5	Insect Proteases â˜†. , 2017, , .		0
6	Genome sequence of Perigonia lusca single nucleopolyhedrovirus: insights into the evolution of a nucleotide metabolism enzyme in the family Baculoviridae. Scientific Reports, 2016, 6, 24612.	3.3	11
7	Generating a host range-expanded recombinant baculovirus. Scientific Reports, 2016, 6, 28072.	3.3	9
8	Multifaceted biological insights from a draft genome sequence of the tobacco hornworm moth, Manduca sexta. Insect Biochemistry and Molecular Biology, 2016, 76, 118-147.	2.7	154
9	Infection pattern and transmission potential of chikungunya virus in two New World laboratory-adapted Aedes aegypti strains. Scientific Reports, 2016, 6, 24729.	3.3	36
10	A Betabaculovirus-Encoded gp64 Homolog Codes for a Functional Envelope Fusion Protein. Journal of Virology, 2016, 90, 1668-1672.	3.4	12
11	Arboviruses and apoptosis: the role of cell death in determining vector competence. Journal of General Virology, 2016, 97, 1033-1036.	2.9	38
12	Tissue Barriers to Arbovirus Infection in Mosquitoes. Viruses, 2015, 7, 3741-3767.	3.3	347
13	Reaching the melting point: Degradative enzymes and protease inhibitors involved in baculovirus infection and dissemination. Virology, 2015, 479-480, 637-649.	2.4	31
14	Heritable CRISPR/Cas9-Mediated Genome Editing in the Yellow Fever Mosquito, Aedes aegypti. PLoS ONE, 2015, 10, e0122353.	2.5	88
15	Viral IAPs, then and now. Seminars in Cell and Developmental Biology, 2015, 39, 72-79.	5.0	52
16	Functional characterization of hesp018, a baculovirus-encoded serpin gene. Journal of General Virology, 2015, 96, 1150-1160.	2.9	17
17	Rapid selection against arbovirus-induced apoptosis during infection of a mosquito vector. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E1152-61.	7.1	69
18	The immune signaling pathways of Manduca sexta. Insect Biochemistry and Molecular Biology, 2015, 62, 64-74.	2.7	79

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19	Novel Genetic and Molecular Tools for the Investigation and Control of Dengue Virus Transmission by Mosquitoes. Current Tropical Medicine Reports, 2014, 1, 21-31.	3.7	21
20	SfDronc, an initiator caspase involved in apoptosis in the fall armyworm Spodoptera frugiperda. Insect Biochemistry and Molecular Biology, 2013, 43, 444-454.	2.7	31
21	The baculovirus sulfhydryl oxidase Ac92 (P33) interacts with the Spodoptera frugiperda P53 protein and oxidizes it in vitro. Virology, 2013, 447, 197-207.	2.4	10
22	Baculoviruses: Sophisticated Pathogens of Insects. PLoS Pathogens, 2013, 9, e1003729.	4.7	83
23	P53-Mediated Rapid Induction of Apoptosis Conveys Resistance to Viral Infection in Drosophila melanogaster. PLoS Pathogens, 2013, 9, e1003137.	4.7	62
24	Effects of Manipulating Apoptosis on Sindbis Virus Infection of Aedes aegypti Mosquitoes. Journal of Virology, 2012, 86, 6546-6554.	3.4	81
25	Insect Proteases. , 2012, , 346-364.		13
26	Caspase Inhibitors of the P35 Family Are More Active When Purified from Yeast than Bacteria. PLoS ONE, 2012, 7, e39248.	2.5	7
27	Characterization of cDNAs encoding p53 of Bombyx mori and Spodoptera frugiperda. Insect Biochemistry and Molecular Biology, 2011, 41, 613-619.	2.7	21
28	Defining the core apoptosis pathway in the mosquito disease vector Aedes aegypti: the roles of iap1, ark, dronc, and effector caspases. Apoptosis: an International Journal on Programmed Cell Death, 2011, 16, 105-113.	4.9	68
29	The role of IAP antagonist proteins in the core apoptosis pathway of the mosquito disease vector Aedes aegypti. Apoptosis: an International Journal on Programmed Cell Death, 2011, 16, 235-248.	4.9	32
30	Baculovirus Infection Induces a DNA Damage Response That Is Required for Efficient Viral Replication. Journal of Virology, 2011, 85, 12547-12556.	3.4	44
31	A caspase-like decoy molecule enhances the activity of a paralogous caspase in the yellow fever mosquito, Aedes aegypti. Insect Biochemistry and Molecular Biology, 2010, 40, 516-523.	2.7	20
32	Pathogenomics of Culex quinquefasciatus and Meta-Analysis of Infection Responses to Diverse Pathogens. Science, 2010, 330, 88-90.	12.6	150
33	Caspase inhibitor P35 is required for the production of robust baculovirus virions in Trichoplusia ni TN-368 cells. Journal of General Virology, 2009, 90, 654-661.	2.9	12
34	Mutation of juxtamembrane cysteines in the tetraspanin CD81 affects palmitoylation and alters interaction with other proteins at the cell surface. Experimental Cell Research, 2009, 315, 1953-1963.	2.6	44
35	Macrophage cell lines use CD81 in cell growth regulation. In Vitro Cellular and Developmental Biology - Animal, 2009, 45, 213-225.	1.5	8
36	Evolution and function of the p35 family of apoptosis inhibitors. Future Virology, 2008, 3, 383-391.	1.8	6

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37	Effects of inducing or inhibiting apoptosis on Sindbis virus replication in mosquito cells. Journal of General Virology, 2008, 89, 2651-2661.	2.9	39
38	Baculoviruses and Apoptosis: A Diversity of Genes and Responses. Current Drug Targets, 2007, 8, 1069-1074.	2.1	101
39	Annotation and expression profiling of apoptosis-related genes in the yellow fever mosquito, Aedes aegypti. Insect Biochemistry and Molecular Biology, 2007, 38, 331-45.	2.7	67
40	Identification and functional characterization of AMVp33, a novel homolog of the baculovirus caspase inhibitor p35 found in Amsacta moorei entomopoxvirus. Virology, 2007, 358, 436-447.	2.4	27
41	Analysis and functional annotation of expressed sequence tags from the fall armyworm Spodoptera frugiperda. BMC Genomics, 2006, 7, 264.	2.8	16
42	The baculovirus anti-apoptotic protein Op-IAP does not inhibit Drosophila caspases or apoptosis in Drosophila S2 cells and instead sensitizes S2 cells to virus-induced apoptosis. Virology, 2005, 335, 61-71.	2.4	27
43	Cleavage of the Apoptosis Inhibitor DIAP1 by the Apical Caspase DRONC in Both Normal and Apoptotic Drosophila Cells. Journal of Biological Chemistry, 2005, 280, 18683-18688.	3.4	31
44	Mechanism of Dronc activation in Drosophila cells. Journal of Cell Science, 2004, 117, 5035-5041.	2.0	62
45	Ubiquitin protein ligase activity of the anti-apoptotic baculovirus protein Op-IAP3. Virus Research, 2004, 105, 89-96.	2.2	37
46	Improving baculovirus resistance to UV inactivation: increased virulence resulting from expression of a DNA repair enzyme. Journal of Invertebrate Pathology, 2003, 82, 50-56.	3.2	39
47	INSECT DEFENSES AGAINST VIRUS INFECTION: THE ROLE OF APOPTOSIS. International Reviews of Immunology, 2003, 22, 401-424.	3.3	112
48	In Vivo Induction of Apoptosis Correlating with Reduced Infectivity during Baculovirus Infection. Journal of Virology, 2003, 77, 2227-2232.	3.4	50
49	Silencing of the Baculovirus Op- iap3 Gene by RNA Interference Reveals that It Is Required for Prevention of Apoptosis during Orgyia pseudotsugata M Nucleopolyhedrovirus Infection of Ld652Y Cells. Journal of Virology, 2003, 77, 4481-4488.	3.4	59
50	Sequence Requirements for Hid Binding and Apoptosis Regulation in the Baculovirus Inhibitor of Apoptosis Op-IAP. Journal of Biological Chemistry, 2002, 277, 2454-2462.	3.4	36
51	The Drosophila DIAP1 Protein Is Required to Prevent Accumulation of a Continuously Generated, Processed Form of the Apical Caspase DRONC. Journal of Biological Chemistry, 2002, 277, 49644-49650.	3.4	148
52	Hid, Rpr and Grim negatively regulate DIAP1 levels through distinct mechanisms. Nature Cell Biology, 2002, 4, 416-424.	10.3	356
53	Lack of involvement of haemocytes in the establishment and spread of infection in Spodoptera frugiperda larvae infected with the baculovirus Autographa californica M nucleopolyhedrovirus by intrahaemocoelic injection. Journal of General Virology, 2002, 83, 1565-1572.	2.9	54
54	Deletions in the Ac-iap1 gene of the baculovirus AcMNPV occur spontaneously during serial passage and confer a cell line-specific replication advantage. Virus Research, 2001, 81, 77-91.	2.2	20

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55	Baculoviruses and apoptosis: the good, the bad, and the ugly. Cell Death and Differentiation, 2001, 8, 137-143.	11.2	141
56	Kansas science saved by teachers' good sense. Nature, 2001, 410, 865-865.	27.8	0
57	c-IAP1 Is Cleaved by Caspases to Produce a Proapoptotic C-terminal Fragment. Journal of Biological Chemistry, 2001, 276, 7602-7608.	3.4	102
58	Modulation of cell death by Bcl-xL through caspase interaction. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 554-559.	7.1	505
59	Viral genes that modulate apoptosis. , 1998, , 243-279.		2
60	Sindbis Virus Induces Apoptosis through a Caspase-Dependent, CrmA-Sensitive Pathway. Journal of Virology, 1998, 72, 452-459.	3.4	121
61	Conversion of Bcl-2 to a Bax-like Death Effector by Caspases. Science, 1997, 278, 1966-1968.	12.6	1,028
62	Apoptosis as a Stress Response. , 1997, , 109-135.		1
63	Regulation of Programmed Cell Death by Baculoviruses. , 1997, , 237-266.		23
64	Herpesvirus saimiri encodes a functional homolog of the human bcl-2 oncogene. Journal of Virology, 1997, 71, 4118-4122.	3.4	130
65	An apoptosis-inhibiting gene from a nuclear polyhedrosis virus encoding a polypeptide with Cys/His sequence motifs. Journal of Virology, 1994, 68, 2521-2528.	3.4	487
66	An apoptosis-inhibiting baculovirus gene with a zinc finger-like motif. Journal of Virology, 1993, 67, 2168-2174.	3.4	945
67	Apoptosis reduces both the in vitro replication and the in vivo infectivity of a baculovirus. Journal of Virology, 1993, 67, 3730-3738.	3.4	284
68	Prevention of Apoptosis by a Baculovirus Gene During Infection of Insect Cells. Science, 1991, 254, 1388-1390.	12.6	829