

# Rollie J Clem

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

65 papers	6,419 citations	33 h-index	69 g-index
69 ext. papers	6,945 ext. citations	7.6 avg, IF	5.63 L-index

#	Paper	IF	Citations
65	Infection of <i>Aedes aegypti</i> Mosquitoes with Midgut-Attenuated Sindbis Virus Reduces, but Does Not Eliminate, Disseminated Infection. <i>Journal of Virology</i> , <b>2021</b> , 95, e0013621	6.6	1
64	Inhibition of dicer activity in lepidopteran and dipteran cells by baculovirus-mediated expression of Flock House virus B2. <i>Scientific Reports</i> , <b>2019</b> , 9, 14494	4.9	3
63	Infection pattern and transmission potential of chikungunya virus in two New World laboratory-adapted <i>Aedes aegypti</i> strains. <i>Scientific Reports</i> , <b>2016</b> , 6, 24729	4.9	27
62	A Betabaculovirus-Encoded gp64 Homolog Codes for a Functional Envelope Fusion Protein. <i>Journal of Virology</i> , <b>2016</b> , 90, 1668-72	6.6	11
61	Arboviruses and apoptosis: the role of cell death in determining vector competence. <i>Journal of General Virology</i> , <b>2016</b> , 97, 1033-1036	4.9	30
60	Genome sequence of <i>Perigonia lusca</i> single nucleopolyhedrovirus: insights into the evolution of a nucleotide metabolism enzyme in the family Baculoviridae. <i>Scientific Reports</i> , <b>2016</b> , 6, 24612	4.9	8
59	Generating a host range-expanded recombinant baculovirus. <i>Scientific Reports</i> , <b>2016</b> , 6, 28072	4.9	7
58	Multifaceted biological insights from a draft genome sequence of the tobacco hornworm moth, <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2016</b> , 76, 118-147	4.5	112
57	Rapid selection against arbovirus-induced apoptosis during infection of a mosquito vector. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, E1152-61	11.5	41
56	The immune signaling pathways of <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2015</b> , 62, 64-74	4.5	56
55	Tissue Barriers to Arbovirus Infection in Mosquitoes. <i>Viruses</i> , <b>2015</b> , 7, 3741-67	6.2	226
54	Reaching the melting point: Degradative enzymes and protease inhibitors involved in baculovirus infection and dissemination. <i>Virology</i> , <b>2015</b> , 479-480, 637-49	3.6	22
53	Heritable CRISPR/Cas9-mediated genome editing in the yellow fever mosquito, <i>Aedes aegypti</i> . <i>PLoS ONE</i> , <b>2015</b> , 10, e0122353	3.7	78
52	Viral IAPs, then and now. <i>Seminars in Cell and Developmental Biology</i> , <b>2015</b> , 39, 72-9	7.5	33
51	Functional characterization of hesp018, a baculovirus-encoded serpin gene. <i>Journal of General Virology</i> , <b>2015</b> , 96, 1150-1160	4.9	14
50	Novel Genetic and Molecular Tools for the Investigation and Control of Dengue Virus Transmission by Mosquitoes. <i>Current Tropical Medicine Reports</i> , <b>2014</b> , 1, 21-31	5	18
49	SfDronc, an initiator caspase involved in apoptosis in the fall armyworm <i>Spodoptera frugiperda</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2013</b> , 43, 444-54	4.5	25

48	The baculovirus sulphhydryl oxidase Ac92 (P33) interacts with the <i>Spodoptera frugiperda</i> P53 protein and oxidizes it in vitro. <i>Virology</i> , <b>2013</b> , 447, 197-207	3.6	10
47	Baculoviruses: sophisticated pathogens of insects. <i>PLoS Pathogens</i> , <b>2013</b> , 9, e1003729	7.6	59
46	P53-mediated rapid induction of apoptosis conveys resistance to viral infection in <i>Drosophila melanogaster</i> . <i>PLoS Pathogens</i> , <b>2013</b> , 9, e1003137	7.6	46
45	Insect Proteases <b>2012</b> , 346-364		11
44	Caspase inhibitors of the P35 family are more active when purified from yeast than bacteria. <i>PLoS ONE</i> , <b>2012</b> , 7, e39248	3.7	6
43	Effects of manipulating apoptosis on Sindbis virus infection of <i>Aedes aegypti</i> mosquitoes. <i>Journal of Virology</i> , <b>2012</b> , 86, 6546-54	6.6	59
42	Characterization of cDNAs encoding p53 of <i>Bombyx mori</i> and <i>Spodoptera frugiperda</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2011</b> , 41, 613-9	4.5	19
41	Defining the core apoptosis pathway in the mosquito disease vector <i>Aedes aegypti</i> : the roles of iap1, ark, dronc, and effector caspases. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , <b>2011</b> , 16, 105-13	5.4	57
40	The role of IAP antagonist proteins in the core apoptosis pathway of the mosquito disease vector <i>Aedes aegypti</i> . <i>Apoptosis: an International Journal on Programmed Cell Death</i> , <b>2011</b> , 16, 235-48	5.4	25
39	Baculovirus infection induces a DNA damage response that is required for efficient viral replication. <i>Journal of Virology</i> , <b>2011</b> , 85, 12547-56	6.6	39
38	A caspase-like decoy molecule enhances the activity of a paralogous caspase in the yellow fever mosquito, <i>Aedes aegypti</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2010</b> , 40, 516-23	4.5	18
37	Pathogenomics of <i>Culex quinquefasciatus</i> and meta-analysis of infection responses to diverse pathogens. <i>Science</i> , <b>2010</b> , 330, 88-90	33.3	120
36	Caspase inhibitor P35 is required for the production of robust baculovirus virions in <i>Trichoplusia ni</i> TN-368 cells. <i>Journal of General Virology</i> , <b>2009</b> , 90, 654-661	4.9	10
35	Mutation of juxtamembrane cysteines in the tetraspanin CD81 affects palmitoylation and alters interaction with other proteins at the cell surface. <i>Experimental Cell Research</i> , <b>2009</b> , 315, 1953-63	4.2	36
34	Macrophage cell lines use CD81 in cell growth regulation. <i>In Vitro Cellular and Developmental Biology - Animal</i> , <b>2009</b> , 45, 213-25	2.6	7
33	Evolution and function of the p35 family of apoptosis inhibitors. <i>Future Virology</i> , <b>2008</b> , 3, 383-391	2.4	6
32	Annotation and expression profiling of apoptosis-related genes in the yellow fever mosquito, <i>Aedes aegypti</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2008</b> , 38, 331-45	4.5	44
31	Effects of inducing or inhibiting apoptosis on Sindbis virus replication in mosquito cells. <i>Journal of General Virology</i> , <b>2008</b> , 89, 2651-2661	4.9	32

30	Identification and functional characterization of AMVp33, a novel homolog of the baculovirus caspase inhibitor p35 found in Amsacta moorei entomopoxvirus. <i>Virology</i> , <b>2007</b> , 358, 436-47	3.6	27
29	Baculoviruses and apoptosis: a diversity of genes and responses. <i>Current Drug Targets</i> , <b>2007</b> , 8, 1069-74	3	98
28	Analysis and functional annotation of expressed sequence tags from the fall armyworm <i>Spodoptera frugiperda</i> . <i>BMC Genomics</i> , <b>2006</b> , 7, 264	4.5	15
27	The baculovirus anti-apoptotic protein Op-IAP does not inhibit <i>Drosophila</i> caspases or apoptosis in <i>Drosophila</i> S2 cells and instead sensitizes S2 cells to virus-induced apoptosis. <i>Virology</i> , <b>2005</b> , 335, 61-71	3.6	24
26	Cleavage of the apoptosis inhibitor DIAP1 by the apical caspase DRONC in both normal and apoptotic <i>Drosophila</i> cells. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 18683-8	5.4	28
25	Mechanism of Dronc activation in <i>Drosophila</i> cells. <i>Journal of Cell Science</i> , <b>2004</b> , 117, 5035-41	5.3	60
24	Ubiquitin protein ligase activity of the anti-apoptotic baculovirus protein Op-IAP3. <i>Virus Research</i> , <b>2004</b> , 105, 89-96	6.4	34
23	Improving baculovirus resistance to UV inactivation: increased virulence resulting from expression of a DNA repair enzyme. <i>Journal of Invertebrate Pathology</i> , <b>2003</b> , 82, 50-6	2.6	32
22	Insect defenses against virus infection: the role of apoptosis. <i>International Reviews of Immunology</i> , <b>2003</b> , 22, 401-24	4.6	95
21	In vivo induction of apoptosis correlating with reduced infectivity during baculovirus infection. <i>Journal of Virology</i> , <b>2003</b> , 77, 2227-32	6.6	47
20	Silencing of the baculovirus Op-iap3 gene by RNA interference reveals that it is required for prevention of apoptosis during <i>Orgyia pseudotsugata</i> M nucleopolyhedrovirus infection of Ld652Y cells. <i>Journal of Virology</i> , <b>2003</b> , 77, 4481-8	6.6	53
19	Sequence requirements for Hid binding and apoptosis regulation in the baculovirus inhibitor of apoptosis Op-IAP. Hid binds Op-IAP in a manner similar to Smac binding of XIAP. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 2454-62	5.4	35
18	The <i>Drosophila</i> DIAP1 protein is required to prevent accumulation of a continuously generated, processed form of the apical caspase DRONC. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 49644-50	5.4	135
17	Hid, Rpr and Grim negatively regulate DIAP1 levels through distinct mechanisms. <i>Nature Cell Biology</i> , <b>2002</b> , 4, 416-24	23.4	323
16	Lack of involvement of haemocytes in the establishment and spread of infection in <i>Spodoptera frugiperda</i> larvae infected with the baculovirus <i>Autographa californica</i> M nucleopolyhedrovirus by intrahaemocoelic injection. <i>Journal of General Virology</i> , <b>2002</b> , 83, 1565-1572	4.9	52
15	Baculoviruses and apoptosis: the good, the bad, and the ugly. <i>Cell Death and Differentiation</i> , <b>2001</b> , 8, 137-43	12.7	129
14	Kansas science saved by teachersVgood sense. <i>Nature</i> , <b>2001</b> , 410, 865	50.4	
13	c-IAP1 is cleaved by caspases to produce a proapoptotic C-terminal fragment. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 7602-8	5.4	93

12	Deletions in the Ac-iap1 gene of the baculovirus AcMNPV occur spontaneously during serial passage and confer a cell line-specific replication advantage. <i>Virus Research</i> , <b>2001</b> , 81, 77-91	6.4	17
11	Modulation of cell death by Bcl-XL through caspase interaction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1998</b> , 95, 554-9	11.5	469
10	Sindbis virus induces apoptosis through a caspase-dependent, CrmA-sensitive pathway. <i>Journal of Virology</i> , <b>1998</b> , 72, 452-9	6.6	105
9	Viral genes that modulate apoptosis <b>1998</b> , 243-279		2
8	Conversion of Bcl-2 to a Bax-like death effector by caspases. <i>Science</i> , <b>1997</b> , 278, 1966-8	33.3	941
7	Herpesvirus saimiri encodes a functional homolog of the human bcl-2 oncogene. <i>Journal of Virology</i> , <b>1997</b> , 71, 4118-22	6.6	104
6	Apoptosis as a Stress Response <b>1997</b> , 109-135		1
5	Regulation of Programmed Cell Death by Baculoviruses <b>1997</b> , 237-266		17
4	An apoptosis-inhibiting gene from a nuclear polyhedrosis virus encoding a polypeptide with Cys/His sequence motifs. <i>Journal of Virology</i> , <b>1994</b> , 68, 2521-8	6.6	410
3	An apoptosis-inhibiting baculovirus gene with a zinc finger-like motif. <i>Journal of Virology</i> , <b>1993</b> , 67, 2168-74	6.6	808
2	Apoptosis reduces both the in vitro replication and the in vivo infectivity of a baculovirus. <i>Journal of Virology</i> , <b>1993</b> , 67, 3730-8	6.6	236
1	Prevention of apoptosis by a baculovirus gene during infection of insect cells. <i>Science</i> , <b>1991</b> , 254, 1388-90	33.3	712