Robert D Possee

List of Publications by Year
in descending order

72 papers	4,167 citations	186265 28 h-index	123424 61 g-index
74 all docs	74 docs citations	74 times ranked	1791 citing authors

#	Article	IF	Citations
1	The Complete DNA Sequence of Autographa californica Nuclear Polyhedrosis Virus. Virology, 1994, 202, 586-605.	2.4	932
2	Linearization of baculovirus DNA enhances the recovery of recombinant virus expression vectors. Nucleic Acids Research, 1990, 18, 5667-5672.	14.5	359
3	Construction of an improved baculovirus insecticide containing an insect-specific toxin gene. Nature, 1991, 352, 85-88.	27.8	356
4	Liquefaction ofAutographa californicaNucleopolyhedrovirus-Infected Insects Is Dependent on the Integrity of Virus-Encoded Chitinase and Cathepsin Genes. Virology, 1997, 238, 243-253.	2.4	244
5	Expression and effects of the juvenile hormone esterase in a baculovirus vector. Nature, 1990, 344, 458-461.	27.8	209
6	Field trial of a genetically improved baculovirus insecticide. Nature, 1994, 370, 138-140.	27.8	174
7	Baculoviruses as expression vectors. Current Opinion in Biotechnology, 1997, 8, 569-572.	6.6	139
8	Identification and Preliminary Characterization of a Chitinase Gene in the Autographa californica Nuclear Polyhedrosis Virus Genome. Virology, 1995, 212, 673-685.	2.4	130
9	Nucleotide sequence of the Autographa californica nuclear polyhedrosis 9.4 kbp EcoRI-I and -R (Polyhedrin gene) region. Virology, 1991, 185, 229-241.	2.4	121
10	Activation and Detection of a Latent Baculovirus Resembling Mamestra brassicae Nuclear Polyhedrosis Virus in M. brassicae Insects. Virology, 1993, 194, 608-615.	2.4	110
11	Covert infections as a mechanism for long-term persistence of baculoviruses. Ecology Letters, 2003, 6, 524-531.	6.4	96
12	Baculovirus Expression Systems for Recombinant Protein Production in Insect Cells. Recent Patents on Biotechnology, 2009, 3, 46-54.	0.8	76
13	Genetic modification of a baculovirus vector for increased expression in insect cells. Cell Biology and Toxicology, 2010, 26, 57-68.	5.3	70
14	Overview of the Baculovirus Expression System. Current Protocols in Protein Science, 2018, 91, 5.4.1-5.4.6.	2.8	68
15	Localization of a Baculovirus-Induced Chitinase in the Insect Cell Endoplasmic Reticulum. Journal of Virology, 1998, 72, 10207-10212.	3.4	61
16	Functional analysis of the p10 gene 5â€² leader sequence of theAutographa californicanuclear polyhedrosis virus. Nucleic Acids Research, 1988, 16, 3635-3653.	14.5	60
17	Generation of baculovirus vectors for the highâ€throughput production of proteins in insect cells. Biotechnology and Bioengineering, 2008, 101, 1115-1122.	3.3	52
18	Mapping the 5' and 3' ends of Autographa californica nuclear polyhedrosis virus polyhedrin mRNA. Virus Research, 1986, 5, 109-119.	2.2	48

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19	Improved expression of secreted and membrane-targeted proteins in insect cells. Biotechnology and Applied Biochemistry, 2010, 56, 85-93.	3.1	46
20	Conservation of polyhedrin gene promoter function between Autographa californica and Mamestra brassicae nuclear polyhedrosis viruses. Virus Research, 1989, 12, 183-199.	2.2	45
21	Optimizing the baculovirus expression vector system. Methods, 2011, 55, 52-57.	3.8	43
22	Genetically variable nucleopolyhedroviruses isolated from spatially separate populations of the winter moth Operophtera brumata (Lepidoptera: Geometridae) in Orkney. Journal of Invertebrate Pathology, 2004, 87, 29-38.	3.2	41
23	Detection and characterisation of three novel species of reovirus (Reoviridae), isolated from geographically separate populations of the winter moth Operophtera brumata (Lepidoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	3.2	41
24	Baculovirus Genome Organization and Evolution. , 1997, , 109-140.		36
25	Host mediated selection of pathogen genotypes as a mechanism for the maintenance of baculovirus diversity in the field. Journal of Invertebrate Pathology, 2007, 94, 153-162.	3.2	33
26	Deletion of the Autographa californica nucleopolyhedrovirus chitinase KDEL motif and in vitro and in vivo analysis of the modified virus. Journal of General Virology, 2004, 85, 821-831.	2.9	31
27	Superinfection Exclusion in Alphabaculovirus Infections Is Concomitant with Actin Reorganization. Journal of Virology, 2014, 88, 3548-3556.	3.4	29
28	The use of baculovirus vectors for the production of membrane proteins in insect cells. Biochemical Society Transactions, 1999, 27, 928-932.	3.4	28
29	Evidence for covert baculovirus infections in a Spodoptera exigua laboratory culture. Journal of General Virology, 2011, 92, 1061-1070.	2.9	28
30	Mutagenesis of the active site coding region of the Autographa californica nucleopolyhedrovirus chiA gene. Microbiology (United Kingdom), 2000, 81, 1403-1411.	1.8	28
31	AnAutographa californicaNucleopolyhedroviruslef-2 Mutant: Consequences for DNA Replication and Very Late Gene Expression. Virology, 1996, 217, 338-348.	2.4	27
32	Sf29 Gene of Spodoptera frugiperda Multiple Nucleopolyhedrovirus Is a Viral Factor That Determines the Number of Virions in Occlusion Bodies. Journal of Virology, 2008, 82, 7897-7904.	3.4	27
33	Partial redistribution of the Autographa californica nucleopolyhedrovirus chitinase in virus-infected cells accompanies mutation of the carboxy-terminal KDEL ER-retention motif. Journal of General Virology, 2002, 83, 685-694.	2.9	27
34	Insecticidal Efficacy of a Recombinant Baculovirus Expressing JHE-KK, a Modified Juvenile Hormone Esterase. Journal of Invertebrate Pathology, 1999, 73, 234-236.	3.2	24
35	Manipulation of baculovirus vectors. Molecular Biotechnology, 1997, 8, 283-297.	2.4	22
36	Formation of P10 tubular structures during AcMNPV infection depends on the integrity of host-cell microtubules. Virology, 2003, 317, 308-320.	2.4	21

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37	Protein Production using the Baculovirus Expression System. Current Protocols in Protein Science, 2018, 91, 5.5.1-5.5.22.	2.8	21
38	High-Throughput Baculovirus Expression in Insect Cells. Methods in Molecular Biology, 2012, 824, 609-627.	0.9	20
39	Engineered baculoviruses for pest control. Pest Management Science, 1997, 51, 462-470.	0.4	19
40	Assembly of functional GABAA receptors in insect cells using baculovirus expression vectors. NeuroReport, 1992, 3, 597-600.	1.2	17
41	Recombinant Baculovirus Isolation. Methods in Molecular Biology, 2007, 388, 77-93.	0.9	15
42	Baculovirus Transfer Vectors. , 1995, 39, 25-64.		14
43	Characterisation and partial sequence analysis of two novel cypoviruses isolated from the winter moth Operophtera brumata (Lepidoptera: Geometridae). Virus Genes, 2007, 35, 463-471.	1.6	14
44	Effects of Acp26 on in vitro and in vivo productivity, pathogenesis and virulence of Autographa californica multiple nucleopolyhedrovirus. Virus Research, 2008, 136, 202-205.	2.2	14
45	Sequence analysis of a reovirus isolated from the winter moth Operophtera brumata (Lepidoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock Research, 2008, 135, 42-47.	2.2	13
46	Baculovirus Transfer Vectors. Methods in Molecular Biology, 2016, 1350, 51-71.	0.9	13
47	In cultured cells the baculovirus P10 protein forms two independent intracellular structures that play separate roles in occlusion body maturation and their release by nuclear disintegration. PLoS Pathogens, 2019, 15, e1007827.	4.7	13
48	Genetically engineered viral insecticides: New insecticides with improved phenotypes. Pest Management Science, 1993, 39, 109-115.	0.4	10
49	Argentine hemorrhagic fever diagnostic test based on recombinant JunÃn virus N protein. Journal of Medical Virology, 2008, 80, 2127-2133.	5.0	10
50	Tracing Baculovirus AcMNPV Infection Using a Real-Time Method Based on ANCHORTM DNA Labeling Technology. Viruses, 2020, 12, 50.	3.3	9
51	Recombinant Baculovirus Isolation. Methods in Molecular Biology, 2016, 1350, 73-94.	0.9	9
52	Dual mutations in the Autographa californica nucleopolyhedrovirus FP-25 and p35 genes result in plasma-membrane blebbing in Trichoplusia ni cells. Journal of General Virology, 2006, 87, 531-536.	2.9	8
53	Extended budded virus formation and induction of apoptosis by an AcMNPV FP-25/p35 double mutant in Trichoplusia ni cells. Virus Research, 2008, 133, 157-166.	2.2	8
54	Baculovirus Transfer Vectors. Methods in Molecular Biology, 2007, 388, 55-75.	0.9	7

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55	Introduction to Baculovirus Molecular Biology. Methods in Molecular Biology, 2007, 388, 25-53.	0.9	7
56	Stability of a Spodoptera frugiperda Nucleopolyhedrovirus Deletion Recombinant during Serial Passage in Insects. Applied and Environmental Microbiology, 2010, 76, 803-809.	3.1	6
57	Improved Baculovirus Vectors for Transduction and Gene Expression in Human Pancreatic Islet Cells. Viruses, 2018, 10, 574.	3.3	6
58	Progress in the Genetic Modification and Field-Release of Baculovirus Insecticides. , 1992, , 47-58.		6
59	Quantification of latent Mamestra brassicae nuclear polyhedrosis virus in M. brassicae insects using a PCR-scintillation proximity assay. Journal of Virological Methods, 1994, 50, 21-27.	2.1	5
60	Phosphorylation Induces Structural Changes in the Autographa californica Nucleopolyhedrovirus P10 Protein. Journal of Virology, 2017, 91, .	3.4	5
61	Manipulation of Baculovirus Vectors. , 1991, 7, 147-168.		4
62	Advances in Insect Virology. Advances in Insect Physiology, 1995, 25, 1-73.	2.7	4
63	Prospects for the development of a genetically engineered baculovirus insecticide. Pest Management Science, 1992, 34, 9-15.	0.4	3
64	[33] Expression of green fluorescent protein using baculovirus vectors. Methods in Enzymology, 1999, 302, 394-408.	1.0	2
65	The Development and Release of Genetically Engineered Viral Insecticides: A Progress Report 1986â€“1989. , 1990, , 113-123.		1
66	Optimizing Recombinant Baculovirus Vector Design for Protein Production in Insect Cells. Processes, 2021, 9, 2118.	2.8	1
67	Manipulation of Baculovirus Vectors. , 2000, , 907-919.		0
68	Producing Recombinant Virus-Like Particles. Genetic Engineering and Biotechnology News, 2011, 31, 40-41.	0.1	0
69	Baculovirus Expression Vector System: Production and Isolation of Recombinant Viruses. , 1994, , 148-154.		0
70	Introduction to Baculovirus Molecular Biology. , 0, , 25-54.		0
71	Baculovirus Transfer Vectors. , 0, , 55-76.		0
72	Recombinant Baculovirus Isolation. , 0, , 77-94.		0