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	Optimizing Recombinant Baculovirus Vector Design for Protein Production in Insect Cells. Processes, 2021, 9, 2118.	2.8	1
2	Tracing Baculovirus AcMNPV Infection Using a Real-Time Method Based on ANCHORTM DNA Labeling Technology. Viruses, 2020, 12, 50.	3.3	9
3	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
4	Protein Production using the Baculovirus Expression System. Current Protocols in Protein Science, 2018, 91, 5.5.1-5.5.22.	2.8	21
5	Overview of the Baculovirus Expression System. Current Protocols in Protein Science, 2018, 91, 5.4.1-5.4.6.	2.8	68
6	Improved Baculovirus Vectors for Transduction and Gene Expression in Human Pancreatic Islet Cells. Viruses, 2018, 10, 574.	3.3	6
7	Phosphorylation Induces Structural Changes in the Autographa californica Nucleopolyhedrovirus P10 Protein. Journal of Virology, 2017, 91, .	3.4	5
8	Baculovirus Transfer Vectors. Methods in Molecular Biology, 2016, 1350, 51-71.	0.9	13
9	Recombinant Baculovirus Isolation. Methods in Molecular Biology, 2016, 1350, 73-94.	0.9	9
10	Superinfection Exclusion in Alphabaculovirus Infections Is Concomitant with Actin Reorganization. Journal of Virology, 2014, 88, 3548-3556.	3.4	29
11	High-Throughput Baculovirus Expression in Insect Cells. Methods in Molecular Biology, 2012, 824, 609-627.	0.9	20
12	Producing Recombinant Virus-Like Particles. Genetic Engineering and Biotechnology News, 2011, 31, 40-41.	0.1	0
13	Evidence for covert baculovirus infections in a Spodoptera exigua laboratory culture. Journal of General Virology, 2011, 92, 1061-1070.	2.9	28
14	Optimizing the baculovirus expression vector system. Methods, 2011, 55, 52-57.	3.8	43
15	Genetic modification of a baculovirus vector for increased expression in insect cells. Cell Biology and Toxicology, 2010, 26, 57-68.	5.3	70
16	Stability of a Spodoptera frugiperda Nucleopolyhedrovirus Deletion Recombinant during Serial Passage in Insects. Applied and Environmental Microbiology, 2010, 76, 803-809.	3.1	6
17	Improved expression of secreted and membrane-targeted proteins in insect cells. Biotechnology and Applied Biochemistry, 2010, 56, 85-93.	3.1	46
18	Baculovirus Expression Systems for Recombinant Protein Production in Insect Cells. Recent Patents on Biotechnology, 2009, 3, 46-54.	0.8	76

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19	Argentine hemorrhagic fever diagnostic test based on recombinant JunÃn virus N protein. Journal of Medical Virology, 2008, 80, 2127-2133.	5.0	10
20	Generation of baculovirus vectors for the highâ€throughput production of proteins in insect cells. Biotechnology and Bioengineering, 2008, 101, 1115-1122.	3.3	52
21	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
22	Sequence analysis of a reovirus isolated from the winter moth Operophtera brumata (Lepidoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Research, 2008, 135, 42-47.	2.2	13
23	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
24	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
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	Baculovirus Transfer Vectors. Methods in Molecular Biology, 2007, 388, 55-75.	0.9	7
27	Recombinant Baculovirus Isolation. Methods in Molecular Biology, 2007, 388, 77-93.	0.9	15
28	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
29	Introduction to Baculovirus Molecular Biology. Methods in Molecular Biology, 2007, 388, 25-53.	0.9	7
30	Detection and characterisation of three novel species of reovirus (Reoviridae), isolated from geographically separate populations of the winter moth Operophtera brumata (Lepidoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 297	2.2	37
31	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
32	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
33	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
34	Formation of P10 tubular structures during AcMNPV infection depends on the integrity of host-cell microtubules. Virology, 2003, 317, 308-320.	2.4	21
35	Covert infections as a mechanism for long-term persistence of baculoviruses. Ecology Letters, 2003, 6, 524-531.	6.4	96
36	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

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37	Manipulation of Baculovirus Vectors. , 2000, , 907-919.		0
38	Mutagenesis of the active site coding region of the Autographa californica nucleopolyhedrovirus chiA gene. Microbiology (United Kingdom), 2000, 81, 1403-1411.	1.8	28
39	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
40	The use of baculovirus vectors for the production of membrane proteins in insect cells. Biochemical Society Transactions, 1999, 27, 928-932.	3.4	28
41	[33] Expression of green fluorescent protein using baculovirus vectors. Methods in Enzymology, 1999, 302, 394-408.	1.0	2
42	Localization of a Baculovirus-Induced Chitinase in the Insect Cell Endoplasmic Reticulum. Journal of Virology, 1998, 72, 10207-10212.	3.4	61
43	Baculovirus Genome Organization and Evolution. , 1997, , 109-140.		36
44	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
45	Manipulation of baculovirus vectors. Molecular Biotechnology, 1997, 8, 283-297.	2.4	22
46	Baculoviruses as expression vectors. Current Opinion in Biotechnology, 1997, 8, 569-572.	6.6	139
47	Engineered baculoviruses for pest control. Pest Management Science, 1997, 51, 462-470.	0.4	19
48	AnAutographa californicaNucleopolyhedroviruslef-2 Mutant: Consequences for DNA Replication and Very Late Gene Expression. Virology, 1996, 217, 338-348.	2.4	27
49	Advances in Insect Virology. Advances in Insect Physiology, 1995, 25, 1-73.	2.7	4
50	Identification and Preliminary Characterization of a Chitinase Gene in the Autographa californica Nuclear Polyhedrosis Virus Genome. Virology, 1995, 212, 673-685.	2.4	130
51	Baculovirus Transfer Vectors. , 1995, 39, 25-64.		14
52	The Complete DNA Sequence of Autographa californica Nuclear Polyhedrosis Virus. Virology, 1994, 202, 586-605.	2.4	932
53	Field trial of a genetically improved baculovirus insecticide. Nature, 1994, 370, 138-140.	27.8	174
54	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

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55	Baculovirus Expression Vector System: Production and Isolation of Recombinant Viruses. , 1994, , 148-154.		0
56	Genetically engineered viral insecticides: New insecticides with improved phenotypes. Pest Management Science, 1993, 39, 109-115.	0.4	10
57	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
58	Assembly of functional GABAA receptors in insect cells using baculovirus expression vectors. NeuroReport, 1992, 3, 597-600.	1.2	17
59	Prospects for the development of a genetically engineered baculovirus insecticide. Pest Management Science, 1992, 34, 9-15.	0.4	3
60	Progress in the Genetic Modification and Field-Release of Baculovirus Insecticides. , 1992, , 47-58.		6
61	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
62	Construction of an improved baculovirus insecticide containing an insect-specific toxin gene. Nature, 1991, 352, 85-88.	27.8	356
63	Manipulation of Baculovirus Vectors. , 1991, 7, 147-168.		4
64	Expression and effects of the juvenile hormone esterase in a baculovirus vector. Nature, 1990, 344, 458-461.	27.8	209
65	Linearization of baculovirus DNA enhances the recovery of recombinant virus expression vectors. Nucleic Acids Research, 1990, 18, 5667-5672.	14.5	359
66	The Development and Release of Genetically Engineered Viral Insecticides: A Progress Report 1986â€“1989. , 1990, , 113-123.		1
67	Conservation of polyhedrin gene promoter function between Autographa californica and Mamestra brassicae nuclear polyhedrosis viruses. Virus Research, 1989, 12, 183-199.	2.2	45
68	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
69	Mapping the 5' and 3' ends of Autographa californica nuclear polyhedrosis virus polyhedrin mRNA. Virus Research, 1986, 5, 109-119.	2.2	48
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