

Yu-Chan Chao

List of Publications by Year in descending order

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62
papers

1,973
citations

257450

24
h-index

254184

43
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63
all docs

63
docs citations

63
times ranked

2965
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous induction of autophagy and toll-like receptor signaling pathways by graphene oxide. <i>Biomaterials</i> , 2012, 33, 6559-6569.	11.4	199
2	Sugar Coordinately and Differentially Regulates Growth- and Stress-Related Gene Expression via a Complex Signal Transduction Network and Multiple Control Mechanisms. <i>Plant Physiology</i> , 2001, 125, 877-890.	4.8	153
3	Rapid Titer Determination of Baculovirus by Quantitative Real-Time Polymerase Chain Reaction. <i>Biotechnology Progress</i> , 2008, 20, 354-360.	2.6	122
4	Assembly of human severe acute respiratory syndrome coronavirus-like particles. <i>Biochemical and Biophysical Research Communications</i> , 2004, 318, 833-838.	2.1	112
5	Polydopamine Coated Single-Walled Carbon Nanotubes as a Versatile Platform with Radionuclide Labeling for Multimodal Tumor Imaging and Therapy. <i>Theranostics</i> , 2016, 6, 1833-1843.	10.0	112
6	Induction of IL-8 Release in Lung Cells via Activator Protein-1 by Recombinant Baculovirus Displaying Severe Acute Respiratory Syndrome-Coronavirus Spike Proteins: Identification of Two Functional Regions. <i>Journal of Immunology</i> , 2004, 173, 7602-7614.	0.8	111
7	The severe acute respiratory syndrome coronavirus 3a is a novel structural protein. <i>Biochemical and Biophysical Research Communications</i> , 2005, 330, 286-292.	2.1	90
8	Pest control by fluorescence. <i>Nature</i> , 1996, 380, 396-397.	27.8	84
9	Persistent Hz-1 Virus Infection in Insect Cells: Evidence for Insertion of Viral DNA into Host Chromosomes and Viral Infection in a Latent Status. <i>Journal of Virology</i> , 1999, 73, 128-139.	3.4	57
10	A Non-coding RNA of Insect HzNV-1 Virus Establishes Latent Viral Infection through MicroRNA. <i>Scientific Reports</i> , 2011, 1, 60.	3.3	49
11	Identifying Epitopes Responsible for Neutralizing Antibody and DC-SIGN Binding on the Spike Glycoprotein of the Severe Acute Respiratory Syndrome Coronavirus. <i>Journal of Virology</i> , 2006, 80, 10315-10324.	3.4	45
12	Graphene oxide sensitizes cancer cells to chemotherapeutics by inducing early autophagy events, promoting nuclear trafficking and necrosis. <i>Theranostics</i> , 2018, 8, 2477-2487.	10.0	45
13	Novel Baculovirus DNA Elements Strongly Stimulate Activities of Exogenous and Endogenous Promoters. <i>Journal of Biological Chemistry</i> , 2002, 277, 5256-5264.	3.4	41
14	A 2.9-Kilobase Noncoding Nuclear RNA Functions in the Establishment of Persistent Hz-1 Viral Infection. <i>Journal of Virology</i> , 1998, 72, 2233-2245.	3.4	35
15	Exploring the Mechanism Responsible for Cellulase Thermostability by Structure-Guided Recombination. <i>PLoS ONE</i> , 2016, 11, e0147485.	2.5	32
16	Differential expression of Hz-1 baculovirus genes during productive and persistent viral infections. <i>Journal of Virology</i> , 1992, 66, 1442-1448.	3.4	32
17	A newly isolated densonucleosis virus from <i>Pseudoplusia includens</i> (Lepidoptera: Noctuidae). <i>Journal of Invertebrate Pathology</i> , 1985, 46, 70-82.	3.2	30
18	Maximizing Baculovirus-Mediated Foreign Proteins Expression in Mammalian Cells. <i>Current Gene Therapy</i> , 2010, 10, 232-241.	2.0	30

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19	Display of Porcine Epidemic Diarrhea Virus Spike Protein on Baculovirus to Improve Immunogenicity and Protective Efficacy. <i>Viruses</i> , 2018, 10, 346.	3.3	30
20	Genome Characterization and Identification of Viral-Associated dsDNA Component of Banana Bunchy Top Virus. <i>Virology</i> , 1994, 198, 645-652.	2.4	28
21	Stimulation of baculovirus transcriptome expression in mammalian cells by baculoviral transcriptional activators. <i>Journal of General Virology</i> , 2007, 88, 2176-2184.	2.9	28
22	Sequence of swallow, a gene required for the localization of bicoid message in <i>Drosophila</i> eggs. <i>Genesis</i> , 1991, 12, 333-341.	2.1	27
23	Persistent Baculovirus Infection Results from Deletion of the Apoptotic Suppressor Gene p35. <i>Journal of Virology</i> , 1998, 72, 9157-9165.	3.4	27
24	Expression of highly controllable genes in insect cells using a modified tetracycline-regulated gene expression system. <i>Journal of Biotechnology</i> , 2000, 80, 75-83.	3.8	27
25	A novel exo-cellulase from white spotted longhorn beetle (<i>Anoplophora malasiaca</i>). <i>Insect Biochemistry and Molecular Biology</i> , 2012, 42, 629-636.	2.7	26
26	Baculovirus as Versatile Vectors for Protein Display and Biotechnological Applications. <i>Current Issues in Molecular Biology</i> , 2020, 34, 231-256.	2.4	26
27	Enhancement of correct protein folding in vivo by a non-lytic baculovirus. <i>Biochemical Journal</i> , 2004, 382, 695-702.	3.7	24
28	<i>Autographa californica</i> Multiple Nucleopolyhedrovirus LEF-2 Is a Capsid Protein Required for Amplification but Not Initiation of Viral DNA Replication. <i>Journal of Virology</i> , 2010, 84, 5015-5024.	3.4	24
29	Superinfection-induced apoptosis and its correlation with the reduction of viral progeny in cells persistently infected with Hz-1 baculovirus. <i>Journal of Virology</i> , 1993, 67, 6989-6994.	3.4	24
30	RING and Coiled-Coil Domains of Baculovirus IE2 Are Critical in Strong Activation of the Cytomegalovirus Major Immediate-Early Promoter in Mammalian Cells. <i>Journal of Virology</i> , 2009, 83, 3604-3616.	3.4	22
31	The Early Gene <i>hhl1</i> Reactivates <i>Heliothis zea</i> Nudivirus 1 in Latently Infected Cells. <i>Journal of Virology</i> , 2010, 84, 1057-1065.	3.4	20
32	Membrane penetrating peptides greatly enhance baculovirus transduction efficiency into mammalian cells. <i>Biochemical and Biophysical Research Communications</i> , 2011, 405, 297-302.	2.1	20
33	Physical map of Hz-1 baculovirus genome from standard and defective interfering particles. <i>Journal of General Virology</i> , 1990, 71, 1265-1270.	2.9	19
34	A study on combining natural dyes and environmentally-friendly mordant to improve color strength and ultraviolet protection of textiles. <i>Fibers and Polymers</i> , 2017, 18, 1523-1530.	2.1	19
35	Baculovirus as an efficient vector for gene delivery into mosquitoes. <i>Scientific Reports</i> , 2018, 8, 17778.	3.3	19
36	Vaccinia virus-based vaccines confer protective immunity against SARS-CoV-2 virus in Syrian hamsters. <i>PLoS ONE</i> , 2021, 16, e0257191.	2.5	19

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37	Quantitative rat liver function test by galactose single point method. <i>Laboratory Animals</i> , 2008, 42, 495-504.	1.0	15
38	Cooperation of ie1 and p35 genes in the activation of baculovirus AcMNPV and HzNV-1 promoters. <i>Virus Research</i> , 2008, 135, 247-254.	2.2	13
39	<i>Heliothis zea</i> Nudivirus 1 Gene hhi1 Induces Apoptosis Which Is Blocked by the Hz-iap2 Gene and a Noncoding Gene, pag1. <i>Journal of Virology</i> , 2011, 85, 6856-6866.	3.4	12
40	Identification of a High-Efficiency Baculovirus DNA Replication Origin That Functions in Insect and Mammalian Cells. <i>Journal of Virology</i> , 2014, 88, 13073-13085.	3.4	12
41	Global Screening of Antiviral Genes that Suppress Baculovirus Transgene Expression in Mammalian Cells. <i>Molecular Therapy - Methods and Clinical Development</i> , 2017, 6, 194-206.	4.1	11
42	Apoptosis resulting from superinfection of <i>Heliothis zea</i> virus 1 is inhibited by p35 and is not required for virus interference.. <i>Journal of General Virology</i> , 1998, 79, 2293-2300.	2.9	10
43	Baculovirus IE2 Stimulates the Expression of Heat Shock Proteins in Insect and Mammalian Cells to Facilitate Its Proper Functioning. <i>PLoS ONE</i> , 2016, 11, e0148578.	2.5	9
44	An Icosahedral RNA Virus of the Soybean Looper (<i>Pseudoplusia includens</i>). <i>Journal of General Virology</i> , 1983, 64, 1835-1838.	2.9	8
45	Cytopathology of the soybean looper, <i>Pseudoplusia includens</i> , infected with the <i>Pseudoplusia includens</i> icosahedral virus. <i>Journal of Invertebrate Pathology</i> , 1985, 45, 16-23.	3.2	8
46	Characterization of a picornavirus isolated from <i>Pseudoplusia includens</i> (Lepidoptera: Noctuidae). <i>Journal of Invertebrate Pathology</i> , 1986, 47, 247-257.	3.2	8
47	Identification of a very early promoter of insect Hz-1 virus using a novel dual-expression shuttle vector. <i>Nucleic Acids Research</i> , 1995, 23, 4683-4689.	14.5	8
48	Identification of baculoviral factors required for the activation of enhancer-like polyhedrin upstream (pu) sequence. <i>Virus Research</i> , 2008, 138, 7-16.	2.2	8
49	PEDV Infection Generates Conformation-Specific Antibodies That Can Be Effectively Detected by a Cell-Based ELISA. <i>Viruses</i> , 2021, 13, 303.	3.3	7
50	Comparison of chicken immune responses after inoculation with H5 avian influenza virus-like particles produced by insect cells or pupae. <i>Journal of Veterinary Research (Poland)</i> , 2021, 65, 139-145.	1.0	6
51	An Integrated Platform for Serological Detection and Vaccination of COVID-19. <i>Frontiers in Immunology</i> , 2021, 12, 771011.	4.8	6
52	The establishment of a controllable expression system in baculovirus: Stimulated overexpression of polyhedrin promoter by LEF2. <i>Biotechnology Progress</i> , 2008, 24, 1232-1240.	2.6	4
53	Identification and Quantification of Anti-Gp.Mur Antibodies in Human Serum Using an Insect-Cell-Based System. <i>Diagnostics</i> , 2021, 11, 966.	2.6	4
54	Oral administration of porcine epidemic diarrhea virus spike protein expressing in silkworm pupae failed to elicit immune responses in pigs. <i>AMB Express</i> , 2020, 10, 20.	3.0	4

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55	Sucrose and fetal bovine serum maintain stability and activity of the budded baculovirus during dehydration. <i>European Journal of Pharmaceutical Sciences</i> , 2012, 45, 311-319.	4.0	3
56	Generation of Stable Influenza Virus Hemagglutinin through Structure-Guided Recombination. <i>ACS Synthetic Biology</i> , 2019, 8, 2472-2482.	3.8	3
57	Baculovirus IE2 Interacts with Viral DNA through Daxx To Generate an Organized Nuclear Body Structure for Gene Activation in Vero Cells. <i>Journal of Virology</i> , 2019, 93, .	3.4	3
58	Development of a Scrub Typhus Diagnostic Platform Incorporating Cell-Surface Display Technology. <i>Frontiers in Immunology</i> , 2021, 12, 761136.	4.8	2
59	Baculovirus as Versatile Vectors for Protein Display and Biotechnological Applications. , 2019, , .		1
60	Assessment of the Environmental Load of Building Violations in Tainan City: Analysis of Carbon Dioxide Emissions. <i>Applied Mechanics and Materials</i> , 2011, 71-78, 2636-2643.	0.2	0
61	Life Cycle Assessment on CO ₂ Reduction of Street House Reuse. <i>Applied Mechanics and Materials</i> , 0, 368-370, 450-453.	0.2	0
62	Nudiviruses (Nudiviridae). , 2021, , 827-834.		0