

# 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  
g-index

63  
all docs

63  
docs citations

63  
times ranked

2965  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nudiviruses (Nudiviridae). , 2021, , 827-834.		0
2	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
3	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
4	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
5	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
6	Development of a Scrub Typhus Diagnostic Platform Incorporating Cell-Surface Display Technology. <i>Frontiers in Immunology</i> , 2021, 12, 761136.	4.8	2
7	An Integrated Platform for Serological Detection and Vaccination of COVID-19. <i>Frontiers in Immunology</i> , 2021, 12, 771011.	4.8	6
8	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
9	Baculovirus as Versatile Vectors for Protein Display and Biotechnological Applications. <i>Current Issues in Molecular Biology</i> , 2020, 34, 231-256.	2.4	26
10	Generation of Stable Influenza Virus Hemagglutinin through Structure-Guided Recombination. <i>ACS Synthetic Biology</i> , 2019, 8, 2472-2482.	3.8	3
11	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
12	Baculovirus as Versatile Vectors for Protein Display and Biotechnological Applications. , 2019, , .		1
13	Baculovirus as an efficient vector for gene delivery into mosquitoes. <i>Scientific Reports</i> , 2018, 8, 17778.	3.3	19
14	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
15	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
16	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
17	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
18	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

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19	Exploring the Mechanism Responsible for Cellulase Thermostability by Structure-Guided Recombination. PLoS ONE, 2016, 11, e0147485.	2.5	32
20	Baculovirus IE2 Stimulates the Expression of Heat Shock Proteins in Insect and Mammalian Cells to Facilitate Its Proper Functioning. PLoS ONE, 2016, 11, e0148578.	2.5	9
21	Identification of a High-Efficiency Baculovirus DNA Replication Origin That Functions in Insect and Mammalian Cells. Journal of Virology, 2014, 88, 13073-13085.	3.4	12
22	A novel exo-cellulase from white spotted longhorn beetle ( <i>Anoplophora malasiaca</i> ). Insect Biochemistry and Molecular Biology, 2012, 42, 629-636.	2.7	26
23	Sucrose and fetal bovine serum maintain stability and activity of the budded baculovirus during dehydration. European Journal of Pharmaceutical Sciences, 2012, 45, 311-319.	4.0	3
24	Simultaneous induction of autophagy and toll-like receptor signaling pathways by graphene oxide. Biomaterials, 2012, 33, 6559-6569.	11.4	199
25	Membrane penetrating peptides greatly enhance baculovirus transduction efficiency into mammalian cells. Biochemical and Biophysical Research Communications, 2011, 405, 297-302.	2.1	20
26	A Non-coding RNA of Insect HzNV-1 Virus Establishes Latent Viral Infection through MicroRNA. Scientific Reports, 2011, 1, 60.	3.3	49
27	<i>Heliothis zea</i> Nudivirus 1 Gene <i>hhi1</i> Induces Apoptosis Which Is Blocked by the <i>Hz-iap2</i> Gene and a Noncoding Gene, <i>pag1</i> . Journal of Virology, 2011, 85, 6856-6866.	3.4	12
28	Assessment of the Environmental Load of Building Violations in Tainan City: Analysis of Carbon Dioxide Emissions. Applied Mechanics and Materials, 2011, 71-78, 2636-2643.	0.2	0
29	Maximizing Baculovirus-Mediated Foreign Proteins Expression in Mammalian Cells. Current Gene Therapy, 2010, 10, 232-241.	2.0	30
30	The Early Gene <i>hhi1</i> Reactivates <i>Heliothis zea</i> Nudivirus 1 in Latently Infected Cells. Journal of Virology, 2010, 84, 1057-1065.	3.4	20
31	<i>Autographa californica</i> Multiple Nucleopolyhedrovirus LEF-2 Is a Capsid Protein Required for Amplification but Not Initiation of Viral DNA Replication. Journal of Virology, 2010, 84, 5015-5024.	3.4	24
32	RING and Coiled-Coil Domains of Baculovirus IE2 Are Critical in Strong Activation of the Cytomegalovirus Major Immediate-Early Promoter in Mammalian Cells. Journal of Virology, 2009, 83, 3604-3616.	3.4	22
33	The establishment of a controllable expression system in baculovirus: Stimulated overexpression of <i>polyhedrin</i> promoter by LEF-2. Biotechnology Progress, 2008, 24, 1232-1240.	2.6	4
34	Rapid Titer Determination of Baculovirus by Quantitative Real-Time Polymerase Chain Reaction. Biotechnology Progress, 2008, 20, 354-360.	2.6	122
35	Cooperation of <i>ie1</i> and <i>p35</i> genes in the activation of baculovirus AcMNPV and HzNV-1 promoters. Virus Research, 2008, 135, 247-254.	2.2	13
36	Identification of baculoviral factors required for the activation of enhancer-like <i>polyhedrin</i> upstream ( <i>pu</i> ) sequence. Virus Research, 2008, 138, 7-16.	2.2	8

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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	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
39	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
40	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
41	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
42	Assembly of human severe acute respiratory syndrome coronavirus-like particles. <i>Biochemical and Biophysical Research Communications</i> , 2004, 318, 833-838.	2.1	112
43	Enhancement of correct protein folding in vivo by a non-lytic baculovirus. <i>Biochemical Journal</i> , 2004, 382, 695-702.	3.7	24
44	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
45	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
46	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
47	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
48	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
49	Persistent Baculovirus Infection Results from Deletion of the Apoptotic Suppressor Gene p35. <i>Journal of Virology</i> , 1998, 72, 9157-9165.	3.4	27
50	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
51	Pest control by fluorescence. <i>Nature</i> , 1996, 380, 396-397.	27.8	84
52	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
53	Genome Characterization and Identification of Viral-Associated dsDNA Component of Banana Bunchy Top Virus. <i>Virology</i> , 1994, 198, 645-652.	2.4	28
54	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

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55	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
56	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
57	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
58	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
59	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
60	A newly isolated densovirus from <i>Pseudoplusia includens</i> (Lepidoptera: Noctuidae). <i>Journal of Invertebrate Pathology</i> , 1985, 46, 70-82.	3.2	30
61	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
62	Life Cycle Assessment on CO <sub>2</sub> Reduction of Street House Reuse. <i>Applied Mechanics and Materials</i> , 0, 368-370, 450-453.	0.2	0