Jian Xu

List of Publications by Year
in descending order

55 papers	555 citations	687363 13 h-index	839539 18 g-index
55 all docs	55 docs citations	55 times ranked	535 citing authors

#	Article	IF	Citations
1	CRISPR/Cas9-mediated knockout of factors in non-homologous end joining pathway enhances gene targeting in silkworm cells. Scientific Reports, 2016, 5, 18103.	3.3	40
2	Expression, Purification, and Characterization of Endo-Î²-N-Acetylglucosaminidase H Using Baculovirus-Mediated Silkworm Protein Expression System. Applied Biochemistry and Biotechnology, 2014, 172, 3978-3988.	2.9	33
3	Identification and characterization of Polycomb group genes in the silkworm, Bombyx mori. Molecular Biology Reports, 2012, 39, 5575-5588.	2.3	28
4	Soaking RNAi-mediated modification of Sf9 cells for baculovirus expression system by ectopic expression of Caenorhabditis elegans SID-1. Applied Microbiology and Biotechnology, 2013, 97, 5921-5931.	3.6	27
5	Biochemical characterization of maintenance DNA methyltransferase DNMT-1 from silkworm, Bombyx mori. Insect Biochemistry and Molecular Biology, 2015, 58, 55-65.	2.7	22
6	Genome-Wide Identification of Polycomb Target Genes Reveals a Functional Association of Pho with Scm in Bombyx mori. PLoS ONE, 2012, 7, e34330.	2.5	16
7	Mass Production of an Active Peptide-N-Glycosidase F Using Silkworm-Baculovirus Expression System. Molecular Biotechnology, 2015, 57, 735-745.	2.4	16
8	Antigenic properties of VP15 from white spot syndrome virus in kuruma shrimp Marsupenaeus japonicus. Fish and Shellfish Immunology, 2020, 101, 152-158.	3.6	16
9	Expression, Purification, and Characterization of Recombinant Human Î±1-Antitrypsin Produced Using Silkwormâ€“Baculovirus Expression System. Molecular Biotechnology, 2018, 60, 924-934.	2.4	15
10	Ni-modified magnetic nanoparticles for affinity purification of His-tagged proteins from the complex matrix of the silkworm fat body. Journal of Nanobiotechnology, 2020, 18, 159.	9.1	15
11	Characterization of Tudor-sn-containing granules in the silkworm, Bombyx mori. Insect Biochemistry and Molecular Biology, 2013, 43, 664-674.	2.7	14
12	High-level expression and purification of biologically active human IL-2 using silkworm-baculovirus expression vector system. Journal of Asia-Pacific Entomology, 2016, 19, 313-317.	0.9	14
13	A protocell with fusion and division. Biochemical Society Transactions, 2019, 47, 1909-1919.	3.4	14
14	Establishment of a soaking RNA interference and Bombyx mori nucleopolyhedrovirus (BmNPV)-hypersensitive cell line using Bme21 cell. Applied Microbiology and Biotechnology, 2013, 97, 10435-10444.	3.6	13
15	Production and characterization of the celery mismatch endonuclease CEL II using baculovirus/silkworm expression system. Applied Microbiology and Biotechnology, 2013, 97, 6813-6822.	3.6	13
16	Proteasome inhibitor MG132 impairs autophagic flux through compromising formation of autophagosomes in Bombyx cells. Biochemical and Biophysical Research Communications, 2016, 479, 690-696.	2.1	13
17	Characterization of Recombinant Thermococcus kodakaraensis (KOD) DNA Polymerases Produced Using Silkworm-Baculovirus Expression Vector System. Molecular Biotechnology, 2017, 59, 221-233.	2.4	13
18	Expression and Characterization of Human Î²-1, 4-Galactosyltransferase 1 (Î²4GalT1) Using Silkwormâ€“Baculovirus Expression System. Molecular Biotechnology, 2017, 59, 151-158.	2.4	13

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19	Improvement of Endo-Î²-N-acetylglucosaminidase H production using silkwormâ€“baculovirus protein expression system. Journal of Asia-Pacific Entomology, 2015, 18, 175-180.	0.9	12
20	Human alpha 1-acid glycoprotein as a model protein for glycoanalysis in baculovirus expression vector system. Journal of Asia-Pacific Entomology, 2015, 18, 303-309.	0.9	11
21	Molecular cloning of BmTUDOR-SN and analysis of its role in the RNAi pathway in the silkworm, Bombyx mori (Lepidoptera: Bombycidae). Applied Entomology and Zoology, 2012, 47, 207-215.	1.2	10
22	Roles of silkworm endoplasmic reticulum chaperones in the secretion of recombinant proteins expressed by baculovirus system. Molecular and Cellular Biochemistry, 2015, 409, 255-262.	3.1	10
23	Cell Cycle-Dependent Recruitment of Polycomb Proteins to the ASNS Promoter Counteracts C/ebp-Mediated Transcriptional Activation in Bombyx mori. PLoS ONE, 2013, 8, e52320.	2.5	9
24	Establishment of Caenorhabditis elegans SID-1-Dependent DNA Delivery System in Cultured Silkworm Cells. Molecular Biotechnology, 2014, 56, 193-198.	2.4	9
25	Dynamics of polycomb proteins-mediated histone modifications during UV irradiation-induced DNA damage. Insect Biochemistry and Molecular Biology, 2014, 55, 9-18.	2.7	9
26	A conserved SUMOylation signaling for cell cycle control in a holocentric species Bombyx mori. Insect Biochemistry and Molecular Biology, 2014, 51, 71-79.	2.7	9
27	Comparative proteomic analysis of hemolymph proteins from Autographa californica multiple nucleopolyhedrovirus (AcMNPV)-sensitive or -resistant silkworm strains during infections. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2015, 16, 36-47.	1.0	9
28	SUMOylation regulates the localization and activity of Polo-like kinase 1 during cell cycle in the silkworm, Bombyx mori. Scientific Reports, 2017, 7, 15536.	3.3	9
29	Expression and purification of biologically active human granulocyte-macrophage colony stimulating factor (hGM-CSF) using silkworm-baculovirus expression vector system. Protein Expression and Purification, 2019, 159, 69-74.	1.3	9
30	A functional polypeptide N-acetylgalactosaminyltransferase (PGANT) initiates O-glycosylation in cultured silkworm BmN4 cells. Applied Microbiology and Biotechnology, 2018, 102, 8783-8797.	3.6	8
31	Development of SpyTag/SpyCatcher-Bacmid Expression Vector System (SpyBEVS) for Protein Bioconjugations Inside of Silkworms. International Journal of Molecular Sciences, 2019, 20, 4228.	4.1	8
32	Neospora caninum antigens displaying virus-like particles as a bivalent vaccine candidate against neosporosis. Vaccine, 2019, 37, 6426-6434.	3.8	8
33	Identification of antigenic domains and peptides from VP15 of white spot syndrome virus and their antiviral effects in Marsupenaeus japonicus. Scientific Reports, 2021, 11, 12766.	3.3	8
34	Expression of the thermostable Moloney murine leukemia virus reverse transcriptase by silkworm-baculovirus expression system. Journal of Asia-Pacific Entomology, 2019, 22, 453-457.	0.9	7
35	Primordial mimicry induces morphological change in Escherichia coli. Communications Biology, 2022, 5, 24.	4.4	7
36	Expression and Purification of Vaccinia Virus DNA Topoisomerase IB Produced in the Silkwormâ€“Baculovirus Expression System. Molecular Biotechnology, 2019, 61, 622-630.	2.4	6

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37	Efficient production of recombinant T7 endonuclease I using silkworm-baculovirus expression vector system. Journal of Asia-Pacific Entomology, 2020, 23, 694-700.	0.9	6
38	A novel third chromosomal locus controls susceptibility to Autographa californica multiple nucleopolyhedrovirus in the silkworm, Bombyx mori. Applied Microbiology and Biotechnology, 2014, 98, 3049-3058.	3.6	5
39	Loqs depends on R2D2 to localize in D2 body-like granules and functions in RNAi pathways in silkworm cells. Insect Biochemistry and Molecular Biology, 2015, 64, 78-90.	2.7	5
40	Secretory Nanoparticles of Neospora caninum Profilin-Fused with the Transmembrane Domain of GP64 from Silkworm Hemolymph. Nanomaterials, 2019, 9, 593.	4.1	5
41	Expression, purification, and characterization of highly active endo-Î±-N-acetylgalactosaminidases expressed by silkworm-baculovirus expression system. Journal of Asia-Pacific Entomology, 2019, 22, 404-408.	0.9	5
42	A systematic and methodical approach for the efficient purification of recombinant protein from silkworm larval hemolymph. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2020, 1138, 121964.	2.3	5
43	Giant Vesicles Produced with Phosphatidylcholines (PCs) and Phosphatidylethanolamines (PEs) by Water-in-Oil Inverted Emulsions. Life, 2021, 11, 223.	2.4	5
44	Photoinducible Azobenzene trimethylammonium bromide (AzoTAB)-mediated giant vesicle fusion compatible with synthetic protein translation reactions. Biochemical and Biophysical Research Communications, 2022, 618, 113-118.	2.1	4
45	Co-expression of silkworm allatostatin-C receptor BNGR-A1 with its cognate G protein subunits enhances the GPCR display on the budding baculovirus. Journal of Asia-Pacific Entomology, 2016, 19, 753-760.	0.9	3
46	Optimal silkworm larva host for high-level production of Mus musculus IL-4 using a baculovirus expression vector system. Journal of Asia-Pacific Entomology, 2020, 23, 268-273.	0.9	3
47	Active Human and Murine Tumor Necrosis Factor Î± Cytokines Produced from Silkworm Baculovirus Expression System. Insects, 2021, 12, 517.	2.2	3
48	In vivo enzymatic digestion of HRV 3C protease cleavage sites-containing proteins produced in a silkworm-baculovirus expression system. Bioscience Reports, 0, , .	2.4	3
49	CleanSeq: A Pipeline for Contamination Detection, Cleanup, and Mutation Verifications from Microbial Genome Sequencing Data. Applied Sciences (Switzerland), 2022, 12, 6209.	2.5	3
50	Production of a biologically active human basic fibroblast growth factor using silkworm-baculovirus expression vector system. Journal of Asia-Pacific Entomology, 2018, 21, 716-720.	0.9	2
51	Preparation of divalent antigen-displaying enveloped virus-like particles using a single recombinant Bombyx mori nucleopolyhedrovirus bacmid in silkworms. Journal of Biotechnology, 2020, 323, 92-97.	3.8	2
52	The requirement of cellularity for abiogenesis. Computational and Structural Biotechnology Journal, 2021, 19, 2202-2212.	4.1	2
53	AMINO ACID DEPRIVATIONâ€INDUCED EXPRESSION OF ASPARAGINE SYNTHETASE REGULATES THE GROWTH AND SURVIVAL OF CULTURED SILKWORM CELLS. Archives of Insect Biochemistry and Physiology, 2013, 83, 57-68.	1.5	1
54	Identification of secretion domain of Neospora caninum profilin. Biochemical and Biophysical Research Communications, 2020, 522, 8-13.	2.1	0

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55	Production of an active Mus musculus IL-3 using updated silkworm-based baculovirus expression vector system. Journal of Asia-Pacific Entomology, 2021, 24, 544-549.	0.9	0