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	Primordial mimicry induces morphological change in Escherichia coli. Communications Biology, 2022, 5, 24.	4.4	7
2	CleanSeq: A Pipeline for Contamination Detection, Cleanup, and Mutation Verifications from Microbial Genome Sequencing Data. Applied Sciences (Switzerland), 2022, 12, 6209.	2.5	3
3	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
4	The requirement of cellularity for abiogenesis. Computational and Structural Biotechnology Journal, 2021, 19, 2202-2212.	4.1	2
5	Giant Vesicles Produced with Phosphatidylcholines (PCs) and Phosphatidylethanolamines (PEs) by Water-in-Oil Inverted Emulsions. Life, 2021, 11, 223.	2.4	5
6	Active Human and Murine Tumor Necrosis Factor Î± Cytokines Produced from Silkworm Baculovirus Expression System. Insects, 2021, 12, 517.	2.2	3
7	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
8	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
9	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
10	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
11	Identification of secretion domain of Neospora caninum profilin. Biochemical and Biophysical Research Communications, 2020, 522, 8-13.	2.1	0
12	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
13	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
14	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
15	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
16	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
17	Neospora caninum antigens displaying virus-like particles as a bivalent vaccine candidate against neosporosis. Vaccine, 2019, 37, 6426-6434.	3.8	8
18	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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19	Secretory Nanoparticles of Neospora caninum Profilin-Fused with the Transmembrane Domain of GP64 from Silkworm Hemolymph. Nanomaterials, 2019, 9, 593.	4.1	5
20	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
21	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
22	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
23	A protocell with fusion and division. Biochemical Society Transactions, 2019, 47, 1909-1919.	3.4	14
24	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
25	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
26	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
27	Characterization of Recombinant Thermococcus kodakaraensis (KOD) DNA Polymerases Produced Using Silkworm-Baculovirus Expression Vector System. Molecular Biotechnology, 2017, 59, 221-233.	2.4	13
28	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
29	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
30	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
31	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
32	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
33	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
34	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
35	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
36	Biochemical characterization of maintenance DNA methyltransferase DNMT-1 from silkworm, Bombyx mori. Insect Biochemistry and Molecular Biology, 2015, 58, 55-65.	2.7	22

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37	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
38	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
39	Mass Production of an Active Peptide-N-Glycosidase F Using Silkworm-Baculovirus Expression System. Molecular Biotechnology, 2015, 57, 735-745.	2.4	16
40	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
41	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
42	Establishment of Caenorhabditis elegans SID-1-Dependent DNA Delivery System in Cultured Silkworm Cells. Molecular Biotechnology, 2014, 56, 193-198.	2.4	9
43	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
44	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
45	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
46	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
47	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
48	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
49	Characterization of Tudor-sn-containing granules in the silkworm, Bombyx mori. Insect Biochemistry and Molecular Biology, 2013, 43, 664-674.	2.7	14
50	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
51	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
52	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
53	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
54	Identification and characterization of Polycomb group genes in the silkworm, Bombyx mori. Molecular Biology Reports, 2012, 39, 5575-5588.	2.3	28

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55	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