

Yu-Chen Hu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7179966/publications.pdf>

Version: 2024-02-01

153
papers

11,379
citations

38742

50
h-index

30087

103
g-index

157
all docs

157
docs citations

157
times ranked

19917
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Simultaneous induction of autophagy and toll-like receptor signaling pathways by graphene oxide. <i>Biomaterials</i> , 2012, 33, 6559-6569.	11.4	199
3	Immunization with virus-like particles of enterovirus 71 elicits potent immune responses and protects mice against lethal challenge. <i>Vaccine</i> , 2008, 26, 1855-1862.	3.8	194
4	Suppression of hepatocellular carcinoma by baculovirus-mediated expression of long non-coding RNA PTENP1 and MicroRNA regulation. <i>Biomaterials</i> , 2015, 44, 71-81.	11.4	193
5	CRISPR-Cas9 for the genome engineering of cyanobacteria and succinate production. <i>Metabolic Engineering</i> , 2016, 38, 293-302.	7.0	181
6	Bioreactors for tissue engineering. <i>Biotechnology Letters</i> , 2006, 28, 1415-1423.	2.2	173
7	Baculovirus: an Insect-derived Vector for Diverse Gene Transfer Applications. <i>Molecular Therapy</i> , 2013, 21, 739-749.	8.2	155
8	Baculovirus as a highly efficient expression vector in insect and mammalian cells. <i>Acta Pharmacologica Sinica</i> , 2005, 26, 405-416.	6.1	147
9	Baculoviral Vectors for Gene Delivery: A Review. <i>Current Gene Therapy</i> , 2008, 8, 54-65.	2.0	137
10	High efficient degradation of dye molecules by PDMS embedded abundant single-layer tungsten disulfide and their antibacterial performance. <i>Nano Energy</i> , 2018, 46, 338-346.	16.0	131
11	CRISPR interference (CRISPRi) for gene regulation and succinate production in cyanobacterium <i>S. elongatus</i> PCC 7942. <i>Microbial Cell Factories</i> , 2016, 15, 196.	4.0	128
12	Baculovirus as a gene delivery vector: Recent understandings of molecular alterations in transduced cells and latest applications. <i>Biotechnology Advances</i> , 2011, 29, 618-631.	11.7	127
13	Baculovirus Vectors for Gene Therapy. <i>Advances in Virus Research</i> , 2006, 68, 287-320.	2.1	119
14	Osteogenic differentiation of adipose-derived stem cells and calvarial defect repair using baculovirus-mediated co-expression of BMP-2 and miR-148b. <i>Biomaterials</i> , 2014, 35, 4901-4910.	11.4	118
15	Composite chondroitin-6-sulfate/dermatan sulfate/chitosan scaffolds for cartilage tissue engineering. <i>Biomaterials</i> , 2007, 28, 2294-2305.	11.4	108
16	Graphene Oxide Triggers Toll-Like Receptors/Autophagy Responses In Vitro and Inhibits Tumor Growth In Vivo. <i>Advanced Healthcare Materials</i> , 2014, 3, 1486-1495.	7.6	106
17	Recent progresses in gene delivery-based bone tissue engineering. <i>Biotechnology Advances</i> , 2013, 31, 1695-1706.	11.7	105
18	Avian Influenza Virus Hemagglutinin Display on Baculovirus Envelope: Cytoplasmic Domain Affects Virus Properties and Vaccine Potential. <i>Molecular Therapy</i> , 2007, 15, 989-996.	8.2	96

#	ARTICLE	IF	CITATIONS
19	PEGylated Copper Nanowires as a Novel Photothermal Therapy Agent. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12082-12090.	8.0	92
20	Healing of osteoporotic bone defects by baculovirus-engineered bone marrow-derived MSCs expressing MicroRNA sponges. <i>Biomaterials</i> , 2016, 74, 155-166.	11.4	91
21	Enhanced integration of large DNA into <i>E. coli</i> chromosome by CRISPR/Cas9. <i>Biotechnology and Bioengineering</i> , 2017, 114, 172-183.	3.3	87
22	Expression, purification and characterization of enterovirus-71 virus-like particles. <i>World Journal of Gastroenterology</i> , 2006, 12, 921.	3.3	85
23	The use of ASCs engineered to express BMP2 or TGF- β 3 within scaffold constructs to promote calvarial bone repair. <i>Biomaterials</i> , 2013, 34, 9401-9412.	11.4	85
24	Graphene oxide as a chemosensitizer: Diverted autophagic flux, enhanced nuclear import, elevated necrosis and improved antitumor effects. <i>Biomaterials</i> , 2015, 40, 12-22.	11.4	85
25	The healing of critical-sized femoral segmental bone defects in rabbits using baculovirus-engineered mesenchymal stem cells. <i>Biomaterials</i> , 2010, 31, 3222-3230.	11.4	84
26	Augmented biosynthesis of cadmium sulfide nanoparticles by genetically engineered <i>Escherichia coli</i> . <i>Biotechnology Progress</i> , 2009, 25, 1260-1266.	2.6	81
27	Augmented healing of critical-size calvarial defects by baculovirus-engineered MSCs that persistently express growth factors. <i>Biomaterials</i> , 2012, 33, 3682-3692.	11.4	80
28	Transgene expression and differentiation of baculovirus-transduced human mesenchymal stem cells. <i>Journal of Gene Medicine</i> , 2005, 7, 860-868.	2.8	79
29	Baculovirus as an expression and/or delivery vehicle for vaccine antigens. <i>Expert Review of Vaccines</i> , 2008, 7, 363-371.	4.4	79
30	Investigation of optimal transduction conditions for baculovirus-mediated gene delivery into mammalian cells. <i>Biotechnology and Bioengineering</i> , 2004, 88, 42-51.	3.3	76
31	Regenerating Cartilages by Engineered ASCs: Prolonged TGF- β 3/BMP-6 Expression Improved Articular Cartilage Formation and Restored Zonal Structure. <i>Molecular Therapy</i> , 2014, 22, 186-195.	8.2	76
32	Efficient gene delivery into cell lines and stem cells using baculovirus. <i>Nature Protocols</i> , 2014, 9, 1882-1899.	12.0	76
33	Combining CRISPR and CRISPRi Systems for Metabolic Engineering of <i>E. coli</i> and 1,4-BDO Biosynthesis. <i>ACS Synthetic Biology</i> , 2017, 6, 2350-2361.	3.8	76
34	Enhancement and Prolongation of Baculovirus-Mediated Expression in Mammalian Cells: Focuses on Strategic Infection and Feeding. <i>Biotechnology Progress</i> , 2003, 19, 373-379.	2.6	73
35	Chondrocytes culture in three-dimensional porous alginate scaffolds enhanced cell proliferation, matrix synthesis and gene expression. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 88A, 23-33.	4.0	71
36	Enterovirus type 71 neutralizing antibodies in the serum of macaque monkeys immunized with EV71 virus-like particles. <i>Vaccine</i> , 2012, 30, 1305-1312.	3.8	70

#	ARTICLE	IF	CITATIONS
37	Development of a Hybrid Baculoviral Vector for Sustained Transgene Expression. <i>Molecular Therapy</i> , 2009, 17, 658-666.	8.2	69
38	Baculovirus-transduced, VEGF-expressing adipose-derived stem cell sheet for the treatment of myocardium infarction. <i>Biomaterials</i> , 2014, 35, 174-184.	11.4	67
39	The repair of osteochondral defects using baculovirus-mediated gene transfer with de-differentiated chondrocytes in bioreactor culture. <i>Biomaterials</i> , 2009, 30, 674-681.	11.4	65
40	Formation of enterovirus-like particle aggregates by recombinant baculoviruses co-expressing P1 and 3CD in insect cells. <i>Biotechnology Letters</i> , 2003, 25, 919-925.	2.2	63
41	Enterovirus 71 virus-like particle vaccine: Improved production conditions for enhanced yield. <i>Vaccine</i> , 2010, 28, 6951-6957.	3.8	62
42	Highly efficient baculovirus-mediated gene transfer into rat chondrocytes. <i>Biotechnology and Bioengineering</i> , 2004, 88, 643-651.	3.3	61
43	The role of adipose-derived stem cells engineered with the persistently expressing hybrid baculovirus in the healing of massive bone defects. <i>Biomaterials</i> , 2011, 32, 6505-6514.	11.4	61
44	Baculovirus Transduction of Mesenchymal Stem Cells Triggers the Toll-Like Receptor 3 Pathway. <i>Journal of Virology</i> , 2009, 83, 10548-10556.	3.4	60
45	Modulation of chondrocyte phenotype via baculovirus-mediated growth factor expression. <i>Biomaterials</i> , 2007, 28, 3437-3447.	11.4	59
46	CRISPR technologies for stem cell engineering and regenerative medicine. <i>Biotechnology Advances</i> , 2019, 37, 107447.	11.7	59
47	Baculovirus as a highly efficient gene delivery vector for the expression of hepatitis delta virus antigens in mammalian cells. <i>Biotechnology and Bioengineering</i> , 2005, 89, 464-473.	3.3	58
48	Baculovirus Transduction of Mesenchymal Stem Cells: In Vitro Responses and In Vivo Immune Responses After Cell Transplantation. <i>Molecular Therapy</i> , 2009, 17, 889-896.	8.2	56
49	Synthetic switch to minimize CRISPR off-target effects by self-restricting Cas9 transcription and translation. <i>Nucleic Acids Research</i> , 2019, 47, e13-e13.	14.5	56
50	Biosafety Assessment of Human Mesenchymal Stem Cells Engineered by Hybrid Baculovirus Vectors. <i>Molecular Pharmaceutics</i> , 2011, 8, 1505-1514.	4.6	54
51	A kinetic and statistical-thermodynamic model for baculovirus infection and virus-like particle assembly in suspended insect cells. <i>Chemical Engineering Science</i> , 2000, 55, 3991-4008.	3.8	52
52	Effect of MOI ratio on the composition and yield of chimeric infectious bursal disease virus-like particles by baculovirus co-infection: Deterministic predictions and experimental results. <i>Biotechnology and Bioengineering</i> , 2001, 75, 104-119.	3.3	49
53	CRISPRai for simultaneous gene activation and inhibition to promote stem cell chondrogenesis and calvarial bone regeneration. <i>Nucleic Acids Research</i> , 2019, 47, e74-e74.	14.5	48
54	Enhanced and prolonged baculovirus-mediated expression by incorporating recombinase system and in cis elements: a comparative study. <i>Nucleic Acids Research</i> , 2013, 41, e139-e139.	14.5	46

#	ARTICLE	IF	CITATIONS
55	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
56	A Novel Rotating-Shaft Bioreactor for Two-Phase Cultivation of Tissue-Engineered Cartilage. <i>Biotechnology Progress</i> , 2004, 20, 1802-1809.	2.6	44
57	CRISPR-based Activation of Endogenous Neurotrophic Genes in Adipose Stem Cell Sheets to Stimulate Peripheral Nerve Regeneration. <i>Theranostics</i> , 2019, 9, 6099-6111.	10.0	44
58	Baculovirus as a Gene Delivery Vector for Cartilage and Bone Tissue Engineering. <i>Current Gene Therapy</i> , 2010, 10, 242-254.	2.0	43
59	Xenotransplantation of Human Mesenchymal Stem Cells into Immunocompetent Rats for Calvarial Bone Repair. <i>Tissue Engineering - Part A</i> , 2010, 16, 479-488.	3.1	43
60	Adipose-derived stem cell sheets functionalized by hybrid baculovirus for prolonged GDNF expression and improved nerve regeneration. <i>Biomaterials</i> , 2017, 140, 189-200.	11.4	43
61	Enhanced angiogenesis in ischemic skeletal muscle after transplantation of cell sheets from baculovirus-transduced adipose-derived stromal cells expressing VEGF165. <i>Stem Cell Research and Therapy</i> , 2015, 6, 204.	5.5	42
62	Improved Chondrogenesis and Engineered Cartilage Formation from TGF- β 3-Expressing Adipose-Derived Stem Cells Cultured in the Rotating-Shaft Bioreactor. <i>Tissue Engineering - Part A</i> , 2012, 18, 2114-2124.	3.1	41
63	Enhanced critical-size calvarial bone healing by ASCs engineered with Cre/loxP-based hybrid baculovirus. <i>Biomaterials</i> , 2017, 124, 1-11.	11.4	40
64	Healing of massive segmental femoral bone defects in minipigs by allogenic ASCs engineered with FLPo/Frt-based baculovirus vectors. <i>Biomaterials</i> , 2015, 50, 98-106.	11.4	37
65	Coactivation of Endogenous Wnt10b and Foxc2 by CRISPR Activation Enhances BMSC Osteogenesis and Promotes Calvarial Bone Regeneration. <i>Molecular Therapy</i> , 2020, 28, 441-451.	8.2	37
66	Chimeric infectious bursal disease virus-like particles expressed in insect cells and purified by immobilized metal affinity chromatography. , 1999, 63, 721-729.		36
67	Generation of chimeric baculovirus with histidine-tags displayed on the envelope and its purification using immobilized metal affinity chromatography. <i>Enzyme and Microbial Technology</i> , 2003, 33, 445-452.	3.2	36
68	Baculovirus as an avian influenza vaccine vector: Differential immune responses elicited by different vector forms. <i>Vaccine</i> , 2010, 28, 7644-7651.	3.8	36
69	Adaptive Immune Responses Elicited by Baculovirus and Impacts on Subsequent Transgene Expression <i>in Vivo</i> . <i>Journal of Virology</i> , 2013, 87, 4965-4973.	3.4	36
70	Cartilage Tissue Engineering: Recent Advances and Perspectives from Gene Regulation/Therapy. <i>Advanced Healthcare Materials</i> , 2015, 4, 948-968.	7.6	36
71	Rational development of GAG-augmented chitosan membranes by fractional factorial design methodology. <i>Biomaterials</i> , 2006, 27, 2222-2232.	11.4	34
72	Baculovirus-mediated production of HDV-like particles in BHK cells using a novel oscillating bioreactor. <i>Journal of Biotechnology</i> , 2005, 118, 135-147.	3.8	33

#	ARTICLE	IF	CITATIONS
73	Combination of Baculovirus-Mediated Gene Delivery and Packed-Bed Reactor for Scalable Production of Adeno-Associated Virus. <i>Human Gene Therapy</i> , 2007, 18, 1161-1170.	2.7	33
74	Immune responses during healing of massive segmental femoral bone defects mediated by hybrid baculovirus-engineered ASCs. <i>Biomaterials</i> , 2012, 33, 7422-7434.	11.4	33
75	Update on baculovirus as an expression and/or delivery vehicle for vaccine antigens. <i>Expert Review of Vaccines</i> , 2014, 13, 1501-1521.	4.4	32
76	CRISPR interference-mediated noggin knockdown promotes BMP2-induced osteogenesis and calvarial bone healing. <i>Biomaterials</i> , 2020, 252, 120094.	11.4	32
77	Enhancing Protein Production Yield from Chinese Hamster Ovary Cells by CRISPR Interference. <i>ACS Synthetic Biology</i> , 2017, 6, 1509-1519.	3.8	31
78	Enhancing Yield of Infectious Bursal Disease Virus Structural Proteins in Baculovirus Expression Systems: Focus on Media, Protease Inhibitors, and Dissolved Oxygen. <i>Biotechnology Progress</i> , 1999, 15, 1065-1071.	2.6	30
79	Baculovirus-Mediated miRNA Regulation to Suppress Hepatocellular Carcinoma Tumorigenicity and Metastasis. <i>Molecular Therapy</i> , 2015, 23, 79-88.	8.2	30
80	Combination of baculovirus-mediated gene transfer and rotating-shaft bioreactor for cartilage tissue engineering. <i>Biomaterials</i> , 2006, 27, 3154-3162.	11.4	29
81	Combining orthogonal CRISPR and CRISPRi systems for genome engineering and metabolic pathway modulation in <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 2019, 116, 1066-1079.	3.3	29
82	Baculovirus transduction of rat articular chondrocytes: roles of cell cycle. <i>Journal of Gene Medicine</i> , 2007, 9, 33-43.	2.8	27
83	Concanavalin a affinity chromatography for efficient baculovirus purification. <i>Biotechnology Progress</i> , 2009, 25, 1669-1677.	2.6	27
84	Improved calvarial bone repair by hASCs engineered with Cre/loxP-based baculovirus conferring prolonged BMP-2 and MiR-148b co-expression. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 3068-3077.	2.7	27
85	Chikungunya virus inhibition by synthetic coumarin-guanosine conjugates. <i>European Journal of Medicinal Chemistry</i> , 2019, 166, 136-143.	5.5	27
86	Transplantation of Adipose Stromal Cell Sheet Producing Hepatocyte Growth Factor Induces Pleiotropic Effect in Ischemic Skeletal Muscle. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3088.	4.1	27
87	Defective Antiviral Responses of Induced Pluripotent Stem Cells to Baculoviral Vector Transduction. <i>Journal of Virology</i> , 2012, 86, 8041-8049.	3.4	25
88	Engineering Stable <i>Pseudomonas putida</i> S12 by CRISPR for 2,5-Furandicarboxylic Acid (FDCA) Production. <i>ACS Synthetic Biology</i> , 2020, 9, 1138-1149.	3.8	25
89	Co-conjugating chondroitin sulfate/dermatan sulfate to chitosan scaffold alters chondrocyte gene expression and signaling profiles. <i>Biotechnology and Bioengineering</i> , 2008, 101, 821-830.	3.3	24
90	Evaluation of the stability of enterovirus 71 virus-like particle. <i>Journal of Bioscience and Bioengineering</i> , 2014, 117, 366-371.	2.2	24

#	ARTICLE	IF	CITATIONS
91	Production of HIV-1 gp120 in Packed-Bed Bioreactor Using the Vaccinia Virus/T7 Expression System. <i>Biotechnology Progress</i> , 2000, 16, 744-750.	2.6	22
92	Synthetic switch-based baculovirus for transgene expression control and selective killing of hepatocellular carcinoma cells. <i>Nucleic Acids Research</i> , 2018, 46, e93-e93.	14.5	22
93	Baculovirus-mediated gene transfer is attenuated by sodium bicarbonate. <i>Journal of Gene Medicine</i> , 2007, 9, 470-478.	2.8	21
94	Development of hybrid baculovirus vectors for artificial MicroRNA delivery and prolonged gene suppression. <i>Biotechnology and Bioengineering</i> , 2011, 108, 2958-2967.	3.3	21
95	Long-Term Tracking of Segmental Bone Healing Mediated by Genetically Engineered Adipose-Derived Stem Cells: Focuses on Bone Remodeling and Potential Side Effects. <i>Tissue Engineering - Part A</i> , 2014, 20, 1392-1402.	3.1	20
96	Development of EV71 virus-like particle purification processes. <i>Vaccine</i> , 2015, 33, 5966-5973.	3.8	20
97	Baculovirus-Mediated miR-214 Knockdown Shifts Osteoporotic ASCs Differentiation and Improves Osteoporotic Bone Defects Repair. <i>Scientific Reports</i> , 2017, 7, 16225.	3.3	20
98	CRISPR activation of long non-coding RNA DANCR promotes bone regeneration. <i>Biomaterials</i> , 2021, 275, 120965.	11.4	20
99	Enterovirus-71 Virus-Like Particles Induce the Activation and Maturation of Human Monocyte-Derived Dendritic Cells through TLR4 Signaling. <i>PLoS ONE</i> , 2014, 9, e111496.	2.5	20
100	High-density cultivation of insect cells and production of recombinant baculovirus using a novel oscillating bioreactor. <i>Cytotechnology</i> , 2003, 42, 145-153.	1.6	18
101	Determination of the baculovirus transducing titer in mammalian cells. <i>Biotechnology and Bioengineering</i> , 2006, 93, 564-571.	3.3	18
102	Multi-walled carbon-nanotube-decorated tungsten ditelluride nanostars as anode material for lithium-ion batteries. <i>Nanotechnology</i> , 2020, 31, 035406.	2.6	18
103	A Novel Oscillating Bioreactor BelloCell: Implications for Insect Cell Culture and Recombinant Protein Production. <i>Biotechnology Letters</i> , 2005, 27, 1059-1065.	2.2	17
104	Accelerated induction of apoptosis in insect cells by baculovirus-expressed SARS-CoV membrane protein. <i>FEBS Letters</i> , 2006, 580, 3829-3834.	2.8	17
105	Use of Porous Alginate Sponges for Substantial Chondrocyte Expansion and Matrix Production: Effects of Seeding Density. <i>Biotechnology Progress</i> , 2008, 24, 452-457.	2.6	17
106	Baculovirus-Mediated Growth Factor Expression in Dedifferentiated Chondrocytes Accelerates Redifferentiation: Effects of Combinational Transduction. <i>Tissue Engineering - Part A</i> , 2009, 15, 1353-1362.	3.1	17
107	Domino Reaction for the Synthesis of Polysubstituted Pyrroles and Lamellarin R. <i>Journal of Organic Chemistry</i> , 2020, 85, 9835-9843.	3.2	16
108	Title is missing!. <i>Biotechnology Letters</i> , 2002, 24, 1017-1022.	2.2	15

#	ARTICLE	IF	CITATIONS
109	CRISPR-Cas13d for Gene Knockdown and Engineering of CHO Cells. <i>ACS Synthetic Biology</i> , 2020, 9, 2808-2818.	3.8	15
110	Baculovirus vector as an avian influenza vaccine: Hemagglutinin expression and presentation augment the vaccine immunogenicity. <i>Journal of Biotechnology</i> , 2013, 164, 143-150.	3.8	14
111	Baculovirus transduction of chondrocytes elicits interferon β and suppresses transgene expression. <i>Journal of Gene Medicine</i> , 2009, 11, 302-312.	2.8	13
112	High Expression of MicroRNA-196a is Associated with Progression of Hepatocellular Carcinoma in Younger Patients. <i>Cancers</i> , 2019, 11, 1549.	3.7	12
113	Variation of baculovirus-harbored transgene transcription among mesenchymal stem cell-derived progenitors leads to varied expression. <i>Biotechnology and Bioengineering</i> , 2007, 97, 649-655.	3.3	11
114	Efficient expression of histidine-tagged large hepatitis delta antigen in baculovirus-transduced baby hamster kidney cells. <i>World Journal of Gastroenterology</i> , 2006, 12, 1551.	3.3	11
115	Synthesis and antiviral activities of quinazolinamine-coumarin conjugates toward chikungunya and hepatitis C viruses. <i>European Journal of Medicinal Chemistry</i> , 2022, 232, 114164.	5.5	11
116	An initiative to manufacture and characterize baculovirus reference material. <i>Journal of Invertebrate Pathology</i> , 2011, 107, S113-S117.	3.2	10
117	Enhanced enterovirus 71 virus-like particle yield from a new baculovirus design. <i>Biotechnology and Bioengineering</i> , 2015, 112, 2005-2015.	3.3	9
118	Local magnetic activation of CRISPR. <i>Nature Biomedical Engineering</i> , 2019, 3, 83-84.	22.5	9
119	Factors influencing the production and storage of baculovirus for gene delivery: An alternative perspective from the transducing titer assay. <i>Enzyme and Microbial Technology</i> , 2007, 40, 1345-1351.	3.2	8
120	Editorial [Hot topic: Baculovirus: A Promising Vector for Gene Therapy? (Guest Editor: Yu-Chen Hu)]. <i>Current Gene Therapy</i> , 2010, 10, 167-167.	2.0	8
121	Recent Patents on the Baculovirus Systems. <i>Recent Patents on Biotechnology</i> , 2011, 5, 1-11.	0.8	8
122	Preclinical Safety Evaluation of ASCs Engineered by FLPo/Frt-Based Hybrid Baculovirus: In Vitro and Large Animal Studies. <i>Tissue Engineering - Part A</i> , 2015, 21, 1471-1482.	3.1	8
123	Rapid baculovirus titration based on regulatable green fluorescent protein expression in mammalian cells. <i>Enzyme and Microbial Technology</i> , 2011, 48, 13-18.	3.2	7
124	Polyplex nanomicelle delivery of self-amplifying RNA vaccine. <i>Journal of Controlled Release</i> , 2021, 338, 694-704.	9.9	7
125	Sustained baculovirus-mediated expression in myogenic cells. <i>Journal of Gene Medicine</i> , 2008, 10, 1190-1197.	2.8	6
126	Production and purification of virus-like particles of different enterovirus subtypes as vaccines. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 82, 1-9.	5.3	6

#	ARTICLE	IF	CITATIONS
127	Enhancing the yield and activity of defucosylated antibody produced by CHO-K1 cells using Cas13d-mediated multiplex gene targeting. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 121, 38-47.	5.3	6
128	A tubular segmented-flow bioreactor for the infection of insect cells with recombinant baculovirus. <i>Cytotechnology</i> , 1997, 24, 143-152.	1.6	5
129	Bi-directional gene activation and repression promote ASC differentiation and enhance bone healing in osteoporotic rats. <i>Molecular Therapy</i> , 2022, 30, 92-104.	8.2	5
130	Combinatorial CRISPR Interference Library for Enhancing 2,3-BDO Production and Elucidating Key Genes in Cyanobacteria. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .	4.1	5
131	Facile monitoring of avian reovirus β expression and purification processes by tagged green fluorescent protein. <i>Enzyme and Microbial Technology</i> , 2004, 35, 494-500.	3.2	3
132	Synthetic biology approach to developing all-in-one baculovirus vector using mammalian introns and miRNA binding sites. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2022, 131, 104175.	5.3	3
133	Biodegradation of tetramethylammonium chloride wastewater and inorganic nitrogen removal by a mixed culture. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 106931.	6.7	2
134	Expression and Purification of N and E Proteins from Severe Acute Respiratory Syndrome (SARS)-Associated Coronavirus: a Comparative Study. <i>Biotechnology Letters</i> , 2005, 27, 883-891.	2.2	1
135	Viral Gene Therapy Vectors. <i>SpringerBriefs in Bioengineering</i> , 2014, , 17-31.	0.8	1
136	448. Therapeutic Angiogenesis by Subcutaneous Cell Sheet Delivery Is Superior to Cell Injection: A Study of ADSC Efficacy in a Model of Hind Limb Ischemia. <i>Molecular Therapy</i> , 2016, 24, 5178.	8.2	1
137	Hybrid baculovirus-mediated prolonged hemagglutinin expression and secretion in vivo enhances the vaccine efficacy. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 91, 47-56.	5.3	1
138	Enterovirus Inhibition by Hinged Aromatic Compounds with Polynuclei. <i>Molecules</i> , 2020, 25, 3821.	3.8	1
139	Tubular Bioreactor for Probing Baculovirus Infection and Protein Production. <i>Methods in Molecular Biology</i> , 2016, 1350, 461-467.	0.9	1
140	Alternative Bioreactor Strategy for Probing Infection and Production. <i>Methods in Molecular Biology</i> , 2007, 388, 419-425.	0.9	1
141	Baculovirus-Mediated Gene Transfer into Mesenchymal Stem Cells. <i>Methods in Molecular Biology</i> , 2009, 515, 339-351.	0.9	1
142	Recent Patents on Influenza Vaccines. <i>Recent Patents on Biotechnology</i> , 2007, 1, 234-242.	0.8	0
143	Baculovirus-Mediated Gene Delivery for Bone Engineering. , 2012, , .		0
144	Preference Utility algorithm using GPGPU architecture. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
145	Gene Therapy for Bone Tissue Engineering. SpringerBriefs in Bioengineering, 2014, , 33-53.	0.8	0
146	Development of recombinant baculovirus for high yield production of enterovirus 71 virus-like particle vaccine. New Biotechnology, 2014, 31, S179.	4.4	0
147	253. The Use of Osteoporotic BMSCs Engineered by Baculovirus-Mediated MicroRNAs Sponge to Heal Osteoporotic Bone Defect. Molecular Therapy, 2015, 23, S99-S100.	8.2	0
148	657. Delivery of Genetically Engineered Adipose-Derived Cell Sheets for Treatment of Ischemic Disorders – Development of Application in Animal Models. Molecular Therapy, 2015, 23, S262.	8.2	0
149	Asian Congress on Biotechnology 2019. Biotechnology Journal, 2020, 15, e2000214.	3.5	0
150	Development of Enterovirus 71 Vaccine based on Virus-like Particles. , 2012, , .		0
151	Gene Therapy for Cartilage Tissue Engineering. SpringerBriefs in Bioengineering, 2014, , 55-81.	0.8	0
152	Bone and Cartilage Tissue Engineering. SpringerBriefs in Bioengineering, 2014, , 1-15.	0.8	0
153	ID:3006 RNA Therapeutics and Anabolic Gene Delivery for Tissue Regeneration. Biomedical Research and Therapy, 2017, 4, 18.	0.6	0