

Dong-Il Kim

List of Publications by Year in Descending Order

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62

papers

610

citations

14

h-index

21

g-index

70

ext. papers

669

ext. citations

3.2

avg, IF

3.37

L-index

#	Paper	IF	Citations
62	Establishment of a glycoengineered CHO cell line for enhancing antennary structure and sialylation of CTLA4-Ig. <i>Enzyme and Microbial Technology</i> , 2022 , 157, 110007	3.8	0
61	Utilization of Glucocorticoids as Additives for Enhanced Sialylation of Fc-fusion Protein in CHO Cell Cultures. <i>Biotechnology and Bioprocess Engineering</i> , 2021 , 26, 286-293	3.1	
60	In Vitro -Glycan Mannosyl-Phosphorylation of a Therapeutic Enzyme by Using Recombinant Mnn14 Produced from. <i>Journal of Microbiology and Biotechnology</i> , 2021 , 31, 163-170	3.3	2
59	Commercial-scale Economic Comparison of Different Batch Modes for Upstream and Downstream Processing of Monoclonal Antibody. <i>Biotechnology and Bioprocess Engineering</i> , 2021 , 26, 993-1001	3.1	0
58	Profiles of plant core-fucosylated N-glycans of acid alpha-glucosidases produced in transgenic rice cell suspension cultures treated with eight different conditions. <i>Enzyme and Microbial Technology</i> , 2020 , 134, 109482	3.8	1
57	Evaluating the impact of suramin additive on CHO cells producing Fc-fusion protein. <i>Biotechnology Letters</i> , 2019 , 41, 1255-1263	3	4
56	Inhibition of Autolysosome Formation Improves rrhGAA Production Driven by RAmy3D Promoter in Transgenic Rice Cell Culture. <i>Biotechnology and Bioprocess Engineering</i> , 2019 , 24, 568-578	3.1	1
55	Production of recombinant human acid β glucosidase with high mannose-type N-glycans in rice gnt1 mutant for potential treatment of Gaucher disease. <i>Protein Expression and Purification</i> , 2019 , 158, 81-88	2	4
54	Mass Production of Full-Length IgG Monoclonal Antibodies from Mammalian, Yeast, and Bacterial Hosts 2018 , 679-695		2
53	Nucleotide sugar precursor feeding strategy to enhance sialylation of albumin-erythropoietin in CHO cell cultures. <i>Process Biochemistry</i> , 2018 , 66, 197-204	4.8	7
52	Assessment of Recovery Medium for Production of hCTLA4Ig after Cryopreservation in Transgenic Rice Cells. <i>Biotechnology and Bioprocess Engineering</i> , 2018 , 23, 218-227	3.1	1
51	N-glycan Remodeling Using Mannosidase Inhibitors to Increase High-mannose Glycans on Acid β Glucosidase in Transgenic Rice Cell Cultures. <i>Scientific Reports</i> , 2018 , 8, 16130	4.9	16
50	Characterization of human hybrid cell line, F2N78, through a comparison of culture performances and protein qualities. <i>Biotechnology Letters</i> , 2017 , 39, 501-509	3	
49	Co-overexpression of Mgat1 and Mgat4 in CHO cells for production of highly sialylated albumin-erythropoietin. <i>Enzyme and Microbial Technology</i> , 2017 , 103, 53-58	3.8	10
48	Production and Purification of Recombinant Glucocerebrosidase in Transgenic Rice Cell Suspension Cultures. <i>Applied Biochemistry and Biotechnology</i> , 2017 , 181, 1401-1415	3.2	11
47	Effective delivery of siRNA to transgenic rice cells for enhanced transfection using PEI-based polyplexes. <i>Biotechnology and Bioprocess Engineering</i> , 2017 , 22, 577-585	3.1	5
46	Engineering Human-like Sialylation in CHO Cells Producing hCTLA4-Ig by Overexpressing α 2,6-Sialyltransferase. <i>KSBB Journal</i> , 2017 , 32, 193-198	1.5	1

45	Characteristics of human cell line, F2N78, for the production of recombinant antibody in fed-batch and perfusion cultures. <i>Journal of Bioscience and Bioengineering</i> , 2016 , 121, 317-24	3.3	5
44	Scaffold-free three-dimensional culture systems for mass production of periosteum-derived progenitor cells. <i>Journal of Bioscience and Bioengineering</i> , 2015 , 120, 218-22	3.3	10
43	??????? ???? ???? ???? ???? ???? ???? ?????. <i>Tissue Engineering and Regenerative Medicine</i> , 2015 , 12, 53-59	4.5	
42	Molecular characterization of acidic peptide:N-glycanase from the dimorphic yeast <i>Yarrowia lipolytica</i> . <i>Journal of Biochemistry</i> , 2015 , 157, 35-43	3.1	14
41	Effects of Mixing Performance and Conditioned Medium on hCTLA4Ig Production in Transgenic Rice Cell Suspension Cultures. <i>KSBB Journal</i> , 2015 , 30, 307-312	1.5	
40	Engineering an aglycosylated Fc variant for enhanced FcRI engagement and pH-dependent human FcRn binding. <i>Biotechnology and Bioprocess Engineering</i> , 2014 , 19, 780-789	3.1	9
39	Biosimilars: Challenges and path forward. <i>Biotechnology and Bioprocess Engineering</i> , 2014 , 19, 755-765	3.1	6
38	Process characterization of hCTLA4Ig production in transgenic rice cell cultures using a 3-L bioreactor. <i>Applied Biochemistry and Biotechnology</i> , 2013 , 171, 1276-88	3.2	4
37	Bioreactor engineering using disposable technology for enhanced production of hCTLA4Ig in transgenic rice cell cultures. <i>Biotechnology and Bioengineering</i> , 2013 , 110, 2412-24	4.9	21
36	Assessment of long-term cryopreservation for production of hCTLA4Ig in transgenic rice cell suspension cultures. <i>Enzyme and Microbial Technology</i> , 2013 , 53, 216-22	3.8	5
35	Pancreatic islet-like clusters from periosteum-derived progenitor cells. <i>Biotechnology and Bioprocess Engineering</i> , 2013 , 18, 1116-1121	3.1	1
34	Elucidating rice cell metabolism under flooding and drought stresses using flux-based modeling and analysis. <i>Plant Physiology</i> , 2013 , 162, 2140-50	6.6	52
33	Effects of mixed feeder cells on the expansion of CD34+ cells. <i>Journal of Bioscience and Bioengineering</i> , 2012 , 113, 389-94	3.3	4
32	Glucose-stimulated insulin secretion of various mesenchymal stem cells after insulin-producing cell differentiation. <i>Journal of Bioscience and Bioengineering</i> , 2012 , 113, 771-7	3.3	36
31	Application of anoxia with glucose addition for the enhanced production of hCTLA4Ig in transgenic rice suspension cell cultures. <i>Enzyme and Microbial Technology</i> , 2012 , 50, 298-303	3.8	4
30	Adsorptive loss of secreted recombinant proteins in transgenic rice cell suspension cultures. <i>Plant Cell Reports</i> , 2012 , 31, 551-60	5.1	8
29	Effect of process change from perfusion to fed-batch on product comparability for biosimilar monoclonal antibody. <i>Process Biochemistry</i> , 2012 , 47, 1411-1418	4.8	15
28	Optimization of ex vivo hematopoietic stem cell expansion in intermittent dynamic cultures. <i>Biotechnology Letters</i> , 2010 , 32, 1969-75	3	10

27	Fed-batch cultivation of transgenic rice cells for the production of hCTLA4Ig using concentrated amino acids. <i>Process Biochemistry</i> , 2010 , 45, 67-74	4.8	21
26	Enhanced delivery of siRNA complexes by sonoporation in transgenic rice cell suspension cultures. <i>Journal of Microbiology and Biotechnology</i> , 2009 , 19, 781-6	3.3	9
25	Effects of culture media on hCTLA4Ig production and protein expression patterns in transgenic rice cell suspension cultures. <i>Biotechnology and Bioprocess Engineering</i> , 2008 , 13, 424-430	3.1	4
24	Multipotency and growth characteristic of periosteum-derived progenitor cells for chondrogenic, osteogenic, and adipogenic differentiation. <i>Biotechnology Letters</i> , 2008 , 30, 593-601	3	73
23	Comparative proteomic analysis for hCTLA4Ig production in transgenic rice suspension cultures using two-dimensional difference gel electrophoresis. <i>Biotechnology and Bioprocess Engineering</i> , 2007 , 12, 333-339	3.1	4
22	Increased hGM-CSF production and secretion with Pluronic F-68 in transgenic <i>Nicotiana tabacum</i> suspension cell cultures. <i>Biotechnology and Bioprocess Engineering</i> , 2007 , 12, 594-600	3.1	7
21	Cryopreservation of transgenic rice suspension cells producing recombinant hCTLA4Ig. <i>Applied Microbiology and Biotechnology</i> , 2007 , 73, 1470-6	5.7	21
20	Chondrogenesis of human periosteum-derived progenitor cells in atelocollagen. <i>Biotechnology Letters</i> , 2007 , 29, 323-9	3	24
19	Production and characterization of human CTLA4Ig expressed in transgenic rice cell suspension cultures. <i>Protein Expression and Purification</i> , 2007 , 51, 293-302	2	40
18	Chondrogenic properties of human periosteum-derived progenitor cells (PDPCs) embedded in a thermoreversible gelation polymer (TGP). <i>Biotechnology and Bioprocess Engineering</i> , 2006 , 11, 550-552	3.1	6
17	Effects of silkworm hemolymph and cartilage-specific extracellular matrices on chondrocytes and periosteum-derived progenitor cells. <i>Biotechnology and Bioprocess Engineering</i> , 2006 , 11, 364-367	3.1	1
16	Enhanced production of hGM-CSF by medium exchange in transgenic <i>Oryza sativa</i> L. suspension cultures. <i>Enzyme and Microbial Technology</i> , 2006 , 39, 486-489	3.8	6
15	Characterization of human cytotoxic T lymphocyte-associated antigen 4-immunoglobulin (hCTLA4Ig) expressed in transgenic rice cell suspension cultures. <i>Biotechnology Letters</i> , 2006 , 28, 2039-48	3	4
14	Isolation of human periosteum-derived progenitor cells using immunophenotypes for chondrogenesis. <i>Biotechnology Letters</i> , 2005 , 27, 607-11	3	30
13	In vivo efficacy of recombinant leukotactin-1 against cyclophosphamide. <i>Biotechnology and Bioprocess Engineering</i> , 2004 , 9, 7-11	3.1	1
12	Bioreactor operation for transgenic <i>Nicotiana tabacum</i> cell cultures and continuous production of recombinant human granulocyte-macrophage colony-stimulating factor by perfusion culture. <i>Enzyme and Microbial Technology</i> , 2004 , 35, 663-671	3.8	19
11	Effect of polysaccharide elicitors on the production of decursinol angelate in <i>Agelica gigas</i> Nakai root cultures. <i>Biotechnology and Bioprocess Engineering</i> , 2003 , 8, 158-161	3.1	17
10	Effect of bacitracin on hGM-CSF production in suspension cultures of transgenic <i>Nicotiana tabacum</i> cells. <i>Enzyme and Microbial Technology</i> , 2003 , 33, 353-357	3.8	5

9	Stimulation of murine granulocyte macrophage-colony stimulating factor production by Pluronic F-68 and polyethylene glycol in transgenic <i>Nicotiana tabacum</i> cell culture. <i>Biotechnology Letters</i> , 2002 , 24, 1779-1783	3	16
8	Polyacrylamide gel immobilization of porcine liver esterase for the enantioselective production of levofloxacin. <i>Biotechnology and Bioprocess Engineering</i> , 2001 , 6, 179-182	3.1	4
7	Cultivation of transgenic <i>Nicotiana tabacum</i> suspension cells in bioreactors for the production of mGM-CSF. <i>Biotechnology and Bioprocess Engineering</i> , 2001 , 6, 72-74	3.1	6
6	Integrated bioprocessing for plant cell cultures. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2001 , 72, 63-102	1.7	5
5	Growth promotion of <i>Taxus brevifolia</i> cell suspension culture using conditioned medium. <i>Biotechnology and Bioprocess Engineering</i> , 2000 , 5, 350-354	3.1	2
4	Development of cell line preservation method for research and industry producing useful metabolites by plant cell culture. <i>Biotechnology and Bioprocess Engineering</i> , 2000 , 5, 372-378	3.1	7
3	Increased production of digoxin by digitoxin biotransformation using cyclodextrin polymer in <i>Digitalis lanata</i> cell cultures. <i>Biotechnology and Bioprocess Engineering</i> , 1999 , 4, 32-35	3.1	4
2	Sodium gluconate production by <i>Aspergillus niger</i> with intermittent broth replacement. <i>Biotechnology and Bioprocess Engineering</i> , 1999 , 4, 101-105	3.1	2
1	Kinetic model for biotransformation of digitoxin in plant cell suspension culture of <i>Digitalis lanata</i> . <i>Biotechnology and Bioprocess Engineering</i> , 1999 , 4, 281-286	3.1	3