Dong-Il Kim

List of Publications by Citations

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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	Multipotency and growth characteristic of periosteum-derived progenitor cells for chondrogenic, osteogenic, and adipogenic differentiation. *Biotechnology Letters*, **2008**, 30, 593-601	3	73
61	Elucidating rice cell metabolism under flooding and drought stresses using flux-based modeling and analysis. *Plant Physiology*, **2013**, 162, 2140-50	6.6	52
60	Production and characterization of human CTLA4Ig expressed in transgenic rice cell suspension cultures. *Protein Expression and Purification*, **2007**, 51, 293-302	2	40
59	Glucose-stimulated insulin secretion of various mesenchymal stem cells after insulin-producing cell differentiation. *Journal of Bioscience and Bioengineering*, **2012**, 113, 771-7	3.3	36
58	Isolation of human periosteum-derived progenitor cells using immunophenotypes for chondrogenesis. *Biotechnology Letters*, **2005**, 27, 607-11	3	30
57	Chondrogenesis of human periosteum-derived progenitor cells in atelocollagen. *Biotechnology Letters*, **2007**, 29, 323-9	3	24
56	Bioreactor engineering using disposable technology for enhanced production of hCTLA4Ig in transgenic rice cell cultures. *Biotechnology and Bioengineering*, **2013**, 110, 2412-24	4.9	21
55	Fed-batch cultivation of transgenic rice cells for the production of hCTLA4Ig using concentrated amino acids. *Process Biochemistry*, **2010**, 45, 67-74	4.8	21
54	Cryopreservation of transgenic rice suspension cells producing recombinant hCTLA4Ig. *Applied Microbiology and Biotechnology*, **2007**, 73, 1470-6	5.7	21
53	Bioreactor operation for transgenic Nicotiana tabacum cell cultures and continuous production of recombinant human granulocyte-macrophage colony-stimulating factor by perfusion culture. *Enzyme and Microbial Technology*, **2004**, 35, 663-671	3.8	19
52	Effect of polysaccharide elicitors on the production of decursinol angelate inAgelica gigas Nakai root cultures. *Biotechnology and Bioprocess Engineering*, **2003**, 8, 158-161	3.1	17
51	Stimulation of murine granulocyte macrophage-colony stimulating factor production by Pluronic F-68 and polyethylene glycol in transgenic Nicotiana tabacum cell culture. *Biotechnology Letters*, **2002**, 24, 1779-1783	3	16
50	N-glycan Remodeling Using Mannosidase Inhibitors to Increase High-mannose Glycans on Acid β-Glucosidase in Transgenic Rice Cell Cultures. *Scientific Reports*, **2018**, 8, 16130	4.9	16
49	Effect of process change from perfusion to fed-batch on product comparability for biosimilar monoclonal antibody. *Process Biochemistry*, **2012**, 47, 1411-1418	4.8	15
48	Molecular characterization of acidic peptide:N-glycanase from the dimorphic yeast Yarrowia lipolytica. *Journal of Biochemistry*, **2015**, 157, 35-43	3.1	14
47	Production and Purification of Recombinant Glucocerebrosidase in Transgenic Rice Cell Suspension Cultures. *Applied Biochemistry and Biotechnology*, **2017**, 181, 1401-1415	3.2	11
46	Co-overexpression of Mgat1 and Mgat4 in CHO cells for production of highly sialylated albumin-erythropoietin. *Enzyme and Microbial Technology*, **2017**, 103, 53-58	3.8	10

45	Scaffold-free three-dimensional culture systems for mass production of periosteum-derived progenitor cells. *Journal of Bioscience and Bioengineering*, **2015**, 120, 218-22	3.3	10
44	Optimization of ex vivo hematopoietic stem cell expansion in intermittent dynamic cultures. *Biotechnology Letters*, **2010**, 32, 1969-75	3	10
43	Engineering an aglycosylated Fc variant for enhanced FcRI engagement and pH-dependent human FcRn binding. *Biotechnology and Bioprocess Engineering*, **2014**, 19, 780-789	3.1	9
42	Enhanced delivery of siRNA complexes by sonoporation in transgenic rice cell suspension cultures. *Journal of Microbiology and Biotechnology*, **2009**, 19, 781-6	3.3	9
41	Adsorptive loss of secreted recombinant proteins in transgenic rice cell suspension cultures. *Plant Cell Reports*, **2012**, 31, 551-60	5.1	8
40	Nucleotide sugar precursor feeding strategy to enhance sialylation of albumin-erythropoietin in CHO cell cultures. *Process Biochemistry*, **2018**, 66, 197-204	4.8	7
39	Increased hGM-CSF production and secretion with Pluronic F-68 in transgenicNicotiana tabacum suspension cell cultures. *Biotechnology and Bioprocess Engineering*, **2007**, 12, 594-600	3.1	7
38	Development of cell line preservation method for research and industry producing useful metabolites by plant cell culture. *Biotechnology and Bioprocess Engineering*, **2000**, 5, 372-378	3.1	7
37	Biosimilars: Challenges and path forward. *Biotechnology and Bioprocess Engineering*, **2014**, 19, 755-765	3.1	6
36	Chondrogenic properties of human periosteum-derived progenitor cells (PDPCs) embedded in a thermoreversible gelation polymer (TGP). *Biotechnology and Bioprocess Engineering*, **2006**, 11, 550-552	3.1	6
35	Enhanced production of hGM-CSF by medium exchange in transgenic Oryza sativa L. suspension cultures. *Enzyme and Microbial Technology*, **2006**, 39, 486-489	3.8	6
34	Cultivation of transgenicNicotiana tabacum suspension cells in bioreactors for the production of mGM-CSF. *Biotechnology and Bioprocess Engineering*, **2001**, 6, 72-74	3.1	6
33	Characteristics of human cell line, F2N78, for the production of recombinant antibody in fed-batch and perfusion cultures. *Journal of Bioscience and Bioengineering*, **2016**, 121, 317-24	3.3	5
32	Assessment of long-term cryopreservation for production of hCTLA4Ig in transgenic rice cell suspension cultures. *Enzyme and Microbial Technology*, **2013**, 53, 216-22	3.8	5
31	Effective delivery of siRNA to transgenic rice cells for enhanced transfection using PEI-based polyplexes. *Biotechnology and Bioprocess Engineering*, **2017**, 22, 577-585	3.1	5
30	Effect of bacitracin on hGM-CSF production in suspension cultures of transgenic Nicotiana tabacum cells. *Enzyme and Microbial Technology*, **2003**, 33, 353-357	3.8	5
29	Integrated bioprocessing for plant cell cultures. *Advances in Biochemical Engineering/Biotechnology*, **2001**, 72, 63-102	1.7	5
28	Evaluating the impact of suramin additive on CHO cells producing Fc-fusion protein. *Biotechnology Letters*, **2019**, 41, 1255-1263	3	4

27	Effects of mixed feeder cells on the expansion of CD34+ cells. *Journal of Bioscience and Bioengineering*, **2012**, 113, 389-94	3.3	4
26	Application of anoxia with glucose addition for the enhanced production of hCTLA4Ig in transgenic rice suspension cell cultures. *Enzyme and Microbial Technology*, **2012**, 50, 298-303	3.8	4
25	Process characterization of hCTLA4Ig production in transgenic rice cell cultures using a 3-L bioreactor. *Applied Biochemistry and Biotechnology*, **2013**, 171, 1276-88	3.2	4
24	Comparative proteomic analysis for hCTLA4Ig production in transgenic rice suspension cultures using two-dimensional difference gel electrophoresis. *Biotechnology and Bioprocess Engineering*, **2007**, 12, 333-339	3.1	4
23	Effects of culture media on hCTLA4Ig production and protein expression patterns in transgenic rice cell suspension cultures. *Biotechnology and Bioprocess Engineering*, **2008**, 13, 424-430	3.1	4
22	Characterization of human cytotoxic T lymphocyte-associated antigen 4-immunoglobulin (hCTLA4Ig) expressed in transgenic rice cell suspension cultures. *Biotechnology Letters*, **2006**, 28, 2039-48	3	4
21	Polyacrylamide gel immobilization of porcine liver esterase for the enantioselective production of levofloxacin. *Biotechnology and Bioprocess Engineering*, **2001**, 6, 179-182	3.1	4
20	Increased production of digoxin by digitoxin biotransformation using cyclodextrin polymer inDigitalis lanata cell cultures. *Biotechnology and Bioprocess Engineering*, **1999**, 4, 32-35	3.1	4
19	Production of recombinant human acid □glucosidase with high mannose-type N-glycans in rice gnt1 mutant for potential treatment of Gaucher disease. *Protein Expression and Purification*, **2019**, 158, 81-88	2	4
18	Kinetic model for biotransformation of digitoxin in plant cell suspension culture ofDigitalis lanata. *Biotechnology and Bioprocess Engineering*, **1999**, 4, 281-286	3.1	3
17	Mass Production of Full-Length IgG Monoclonal Antibodies from Mammalian, Yeast, and Bacterial Hosts **2018**, 679-695		2
16	Growth promotion ofTaxus brevifolia cell suspension culture using conditioned medium. *Biotechnology and Bioprocess Engineering*, **2000**, 5, 350-354	3.1	2
15	Sodium gluconate production byAspergillus niger with intermittent broth replacement. *Biotechnology and Bioprocess Engineering*, **1999**, 4, 101-105	3.1	2
14	In Vitro -Glycan Mannosyl-Phosphorylation of a Therapeutic Enzyme by Using Recombinant Mnn14 Produced from. *Journal of Microbiology and Biotechnology*, **2021**, 31, 163-170	3.3	2
13	Inhibition of Autolysosome Formation Improves rrhGAA Production Driven by RAmy3D Promoter in Transgenic Rice Cell Culture. *Biotechnology and Bioprocess Engineering*, **2019**, 24, 568-578	3.1	1
12	Assessment of Recovery Medium for Production of hCTLA4Ig after Cryopreservation in Transgenic Rice Cells. *Biotechnology and Bioprocess Engineering*, **2018**, 23, 218-227	3.1	1
11	Pancreatic islet-like clusters from periosteum-derived progenitor cells. *Biotechnology and Bioprocess Engineering*, **2013**, 18, 1116-1121	3.1	1
10	Effects of silkworm hemolymph and cartilage-specific extracellular matrices on chondrocytes and periosteum-derived progenitor cells. *Biotechnology and Bioprocess Engineering*, **2006**, 11, 364-367	3.1	1

9	In vivo efficacy of recombinant leukotactin-1 against cyclophosphamide. *Biotechnology and Bioprocess Engineering*, **2004**, 9, 7-11	3.1	1
8	Engineering Human-like Sialylation in CHO Cells Producing hCTLA4-Ig by Overexpressing α2,6-Sialyltransferase. *KSBB Journal*, **2017**, 32, 193-198	1.5	1
7	Profiles of plant core-fucosylated N-glycans of acid alpha-glucosidases produced in transgenic rice cell suspension cultures treated with eight different conditions. *Enzyme and Microbial Technology*, **2020**, 134, 109482	3.8	1
6	Establishment of a glycoengineered CHO cell line for enhancing antennary structure and sialylation of CTLA4-Ig.. *Enzyme and Microbial Technology*, **2022**, 157, 110007	3.8	0
5	Commercial-scale Economic Comparison of Different Batch Modes for Upstream and Downstream Processing of Monoclonal Antibody. *Biotechnology and Bioprocess Engineering*, **2021**, 26, 993-1001	3.1	0
4	Characterization of human hybrid cell line, F2N78, through a comparison of culture performances and protein qualities. *Biotechnology Letters*, **2017**, 39, 501-509	3	
3	??????? ??? ?? ?? ?? ?? ??? ?? ???. *Tissue Engineering and Regenerative Medicine*, **2015**, 12, 53-59	4.5	
2	Effects of Mixing Performance and Conditioned Medium on hCTLA4Ig Production in Transgenic Rice Cell Suspension Cultures. *KSBB Journal*, **2015**, 30, 307-312	1.5	
1	Utilization of Glucocorticoids as Additives for Enhanced Sialylation of Fc-fusion Protein in CHO Cell Cultures. *Biotechnology and Bioprocess Engineering*, **2021**, 26, 286-293	3.1	