

Moon-Sik Yang

List of Publications by Year in descending order

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80
papers

2,103
citations

201385

27
h-index

288905

40
g-index

80
all docs

80
docs citations

80
times ranked

1332
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of the epitope region capable of inducing neutralizing antibodies against the porcine epidemic diarrhea virus. <i>Molecules and Cells</i> , 2002, 14, 295-9.	1.0	175
2	High level of expression of recombinant human granulocyte-macrophage colony stimulating factor in transgenic rice cell suspension culture. <i>Biotechnology and Bioengineering</i> , 2003, 82, 778-783.	1.7	131
3	Expression of the B Subunit of E. coli Heat-labile Enterotoxin in the Chloroplasts of Plants and its Characterization. <i>Transgenic Research</i> , 2003, 12, 683-691.	1.3	78
4	Expression of human growth hormone in transgenic rice cell suspension culture. <i>Plant Cell Reports</i> , 2008, 27, 885-891.	2.8	72
5	Rapid and reliable extraction of genomic DNA from various wild-type and transgenic plants. , 2004, 4, 20.		67
6	Characterization of the ERK homologue CpMK2 from the chestnut blight fungus <i>Cryphonectria parasitica</i> . <i>Microbiology (United Kingdom)</i> , 2005, 151, 1349-1358.	0.7	59
7	Synthesis and assembly of <i>Escherichia coli</i> heat-labile enterotoxin B subunit in transgenic lettuce (<i>Lactuca sativa</i>). <i>Protein Expression and Purification</i> , 2007, 51, 22-27.	0.6	54
8	Improvement of recombinant hGM-CSF production by suppression of cysteine proteinase gene expression using RNA interference in a transgenic rice culture. <i>Plant Molecular Biology</i> , 2008, 68, 263-275.	2.0	51
9	Production and characterization of human CTLA4Ig expressed in transgenic rice cell suspension cultures. <i>Protein Expression and Purification</i> , 2007, 51, 293-302.	0.6	49
10	Enhanced Expression of B-Subunit of <i>Escherichia coli</i> Heat-Labile Enterotoxin in Tobacco by Optimization of Coding Sequence. <i>Applied Biochemistry and Biotechnology</i> , 2004, 117, 175-188.	1.4	48
11	Induction of antigen-specific systemic and mucosal immune responses by feeding animals transgenic plants expressing the antigen. <i>Vaccine</i> , 2003, 21, 4052-4058.	1.7	47
12	Production of recombinant human granulocyte macrophage colony stimulating factor in rice cell suspension culture with a human N-glycan structure. <i>Plant Biotechnology Journal</i> , 2011, 9, 1109-1119.	4.1	47
13	Novel vaccination approach for dengue infection based on recombinant immune complex universal platform. <i>Vaccine</i> , 2015, 33, 1830-1838.	1.7	44
14	Expression of a Cholera Toxin B Subunit-Neutralizing Epitope of the Porcine Epidemic Diarrhea Virus Fusion Gene in Transgenic Lettuce (<i>Lactuca sativa</i> L.). <i>Molecular Biotechnology</i> , 2011, 48, 201-209.	1.3	41
15	Expression of a synthetic neutralizing epitope of porcine epidemic diarrhea virus fused with synthetic B subunit of <i>Escherichia coli</i> heat labile enterotoxin in rice endosperm. <i>Molecular Biotechnology</i> , 2007, 35, 215-23.	1.3	40
16	Induction of antigen-specific immune responses by oral vaccination with <i>Saccharomyces cerevisiae</i> expressing <i>Actinobacillus pleuropneumoniae</i> ApxIIA. <i>FEMS Immunology and Medical Microbiology</i> , 2005, 43, 155-164.	2.7	39
17	Immunogenicity of a neutralizing epitope from porcine epidemic diarrhea virus: M cell targeting ligand fusion protein expressed in transgenic rice calli. <i>Plant Cell Reports</i> , 2012, 31, 1933-1942.	2.8	37
18	Modification of the cholera toxin B subunit coding sequence to enhance expression in plants. <i>Molecular Breeding</i> , 2004, 13, 143-153.	1.0	36

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19	High-level expression of the neutralizing epitope of porcine epidemic diarrhea virus by a tobacco mosaic virus-based vector. <i>Protein Expression and Purification</i> , 2004, 38, 129-135.	0.6	36
20	Expression of synthetic neutralizing epitope of porcine epidemic diarrhea virus fused with synthetic B subunit of <i>Escherichia coli</i> heat-labile enterotoxin in tobacco plants. <i>Protein Expression and Purification</i> , 2006, 46, 16-22.	0.6	33
21	Expression of dengue virus E glycoprotein domain III in non-nicotine transgenic tobacco plants. <i>Biotechnology and Bioprocess Engineering</i> , 2009, 14, 725-730.	1.4	32
22	Production of bioactive human granulocyte-colony stimulating factor in transgenic rice cell suspension cultures. <i>Protein Expression and Purification</i> , 2006, 47, 68-73.	0.6	31
23	Cholera toxin B subunit-domain III of dengue virus envelope glycoprotein E fusion protein production in transgenic plants. <i>Protein Expression and Purification</i> , 2010, 74, 236-241.	0.6	31
24	Production and characterization of recombinant human acid β -glucosidase in transgenic rice cell suspension culture. <i>Journal of Biotechnology</i> , 2016, 226, 44-53.	1.9	31
25	Molecular engineering and plant expression of an immunoglobulin heavy chain scaffold for delivery of a dengue vaccine candidate. <i>Plant Biotechnology Journal</i> , 2017, 15, 1590-1601.	4.1	31
26	Expression of the synthetic neutralizing epitope gene of porcine epidemic diarrhea virus in tobacco plants without nicotine. <i>Vaccine</i> , 2005, 23, 2294-2297.	1.7	29
27	Expression of a cholera toxin B subunit in transgenic lettuce (<i>Lactuca sativa</i>) using <i>Agrobacterium</i> -mediated transformation system. <i>Plant Cell, Tissue and Organ Culture</i> , 2006, 87, 203-210.	1.2	29
28	Mass production of somatic embryos expressing <i>Escherichia coli</i> heat-labile enterotoxin B subunit in Siberian ginseng. <i>Journal of Biotechnology</i> , 2006, 121, 124-133.	1.9	28
29	Production of functional recombinant bovine trypsin in transgenic rice cell suspension cultures. <i>Protein Expression and Purification</i> , 2011, 76, 121-126.	0.6	28
30	Plant-expressed Fc fusion protein tetraivalent dengue vaccine with inherent adjuvant properties. <i>Plant Biotechnology Journal</i> , 2018, 16, 1283-1294.	4.1	27
31	Expression and Immunogenicity of Enterotoxigenic <i>Escherichia coli</i> Heat-Labile Toxin B Subunit in Transgenic Rice Callus. <i>Molecular Biotechnology</i> , 2010, 44, 14-21.	1.3	26
32	Surface-Displayed Expression of a Neutralizing Epitope of ApxIIA Exotoxin in <i>Saccharomyces cerevisiae</i> and Oral Administration of It for Protective Immune Responses against Challenge by <i>Actinobacillus pleuropneumoniae</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2010, 74, 1362-1367.	0.6	25
33	Current trends in edible vaccine development using transgenic plants. <i>Biotechnology and Bioprocess Engineering</i> , 2010, 15, 61-65.	1.4	23
34	M Cell-Targeting Ligand and Consensus Dengue Virus Envelope Protein Domain III Fusion Protein Production in Transgenic Rice Calli. <i>Molecular Biotechnology</i> , 2013, 54, 880-887.	1.3	22
35	High-level production of bioactive heterodimeric protein human interleukin-12 in rice. <i>Enzyme and Microbial Technology</i> , 2010, 46, 347-351.	1.6	21
36	Production of recombinant human acid β -glucosidase with high-mannose glycans in gnt1 rice for the treatment of Pompe disease. <i>Journal of Biotechnology</i> , 2017, 249, 42-50.	1.9	21

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37	Expression of a consensus dengue virus envelope protein domain III in transgenic callus of rice. <i>Plant Cell, Tissue and Organ Culture</i> , 2012, 109, 509-515.	1.2	20
38	Production of biologically active hG-CSF by transgenic plant cell suspension culture. <i>Enzyme and Microbial Technology</i> , 2002, 30, 763-767.	1.6	19
39	Induction of protective immune responses against the challenge of <i>Actinobacillus pleuropneumoniae</i> by the oral administration of transgenic tobacco plant expressing ApxIIA toxin from the bacteria. <i>FEMS Immunology and Medical Microbiology</i> , 2006, 48, 381-389.	2.7	19
40	Immunogenicity of a Cholera Toxin B Subunit Porphyromonas <i>gingivalis</i> Fimbrial Antigen Fusion Protein Expressed in <i>E. coli</i> . <i>Molecular Biotechnology</i> , 2009, 41, 157-164.	1.3	17
41	Expression of Functional Pentameric Heat-Labile Enterotoxin B Subunit of <i>Escherichia coli</i> in <i>Saccharomyces cerevisiae</i> . <i>Journal of Microbiology and Biotechnology</i> , 2009, 19, 502-510.	0.9	17
42	Expression of fungal phytase on the cell surface of <i>Saccharomyces cerevisiae</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2005, 10, 576.	1.4	16
43	Tissue culture and expression of <i>Escherichia coli</i> heat-labile enterotoxin B subunit in transgenic <i>Peperomia pellucida</i> . <i>Protein Expression and Purification</i> , 2010, 72, 82-86.	0.6	16
44	Expression of a cholera toxin B subunit and consensus dengue virus envelope protein domain III fusion gene in transgenic rice callus. <i>Plant Cell, Tissue and Organ Culture</i> , 2013, 112, 311-320.	1.2	16
45	Production of functional human vascular endothelial growth factor 165 in transgenic rice cell suspension cultures. <i>Enzyme and Microbial Technology</i> , 2014, 63, 58-63.	1.6	16
46	Oral immunisation of mice with transgenic rice calli expressing cholera toxin B subunit fused to consensus dengue cEDIII antigen induces antibodies to all four dengue serotypes. <i>Plant Molecular Biology</i> , 2016, 92, 347-356.	2.0	16
47	Tumor targeting of humanized fragment antibody secreted from transgenic rice cell suspension culture. <i>Plant Molecular Biology</i> , 2008, 68, 413-422.	2.0	15
48	Functional Pentameric Formation via Coexpression of the <i>Escherichia coli</i> Heat-Labile Enterotoxin B Subunit and Its Fusion Protein Subunit with a Neutralizing Epitope of ApxIIA Exotoxin Improves the Mucosal Immunogenicity and Protection against Challenge by <i>Actinobacillus pleuropneumoniae</i> . <i>Vaccine Journal</i> , 2011, 18, 2168-2177.	3.2	15
49	Surface displayed expression of a neutralizing epitope of spike protein from a Korean strain of porcine epidemic diarrhea virus. <i>Biotechnology and Bioprocess Engineering</i> , 2007, 12, 690-695.	1.4	14
50	Amylase and cysteine proteinase gene knockdown in rice cells using RNA interference for enhancing production of recombinant proteins. <i>Plant Cell, Tissue and Organ Culture</i> , 2013, 114, 97-107.	1.2	14
51	High expression of consensus dengue virus envelope glycoprotein domain III using a viral expression system in tobacco. <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 122, 445-451.	1.2	14
52	Expression and characterization of an M cell-specific ligand-fused dengue virus tetravalent epitope using <i>Saccharomyces cerevisiae</i> . <i>Journal of Bioscience and Bioengineering</i> , 2015, 119, 19-27.	1.1	14
53	Production of a heat-labile enterotoxin B subunit-porcine epidemic diarrhea virus-neutralizing epitope fusion protein in transgenic lettuce (<i>Lactuca sativa</i>). <i>Biotechnology and Bioprocess Engineering</i> , 2009, 14, 731-737.	1.4	13
54	Production of monoclonal antibody against FimA protein from <i>Porphyromonas gingivalis</i> in rice cell suspension culture. <i>Plant Cell, Tissue and Organ Culture</i> , 2014, 118, 293-304.	1.2	13

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55	Spontaneous pepsin C-catalyzed activation of human pepsinogen C in transgenic rice cell suspension culture: Production and characterization of human pepsin C. <i>Enzyme and Microbial Technology</i> , 2018, 108, 66-73.	1.6	13
56	Inactivation of the β (1, 2)-xylosyltransferase and the β (1, 3)-fucosyltransferase gene in rice (<i>Oryza</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.8	13
57	Expression of a Synthetic Cholera Toxin B Subunit in Tobacco Using Ubiquitin Promoter and β Gene as a Selectable Marker. <i>Molecular Biotechnology</i> , 2006, 32, 093-100.	1.3	12
58	Expression and assembly of ApxIIA toxin of <i>Actinobacillus pleuropneumoniae</i> fused with the enterotoxigenic <i>E. coli</i> heat-labile toxin B subunit in transgenic tobacco. <i>Plant Cell, Tissue and Organ Culture</i> , 2011, 105, 375-382.	1.2	12
59	Immunogenicity of an S1D epitope from porcine epidemic diarrhea virus and cholera toxin B subunit fusion protein transiently expressed in infiltrated <i>Nicotiana benthamiana</i> leaves. <i>Plant Cell, Tissue and Organ Culture</i> , 2016, 127, 369-380.	1.2	12
60	Expression and assembly of cholera toxin B subunit and domain III of dengue virus 2 envelope fusion protein in transgenic potatoes. <i>Protein Expression and Purification</i> , 2017, 139, 57-62.	0.6	12
61	Expression of the <i>Escherichia coli</i> heat-labile enterotoxin B subunit in transgenic watercress (<i>Nasturtium officinale</i> L.). <i>Plant Cell, Tissue and Organ Culture</i> , 2011, 105, 39-45.	1.2	11
62	Expression of a functional human tumor necrosis factor- β (hTNF- β) in yeast <i>Saccharomyces cerevisiae</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2004, 9, 292-296.	1.4	10
63	Expression of the B subunit of <i>E. coli</i> heat-labile enterotoxin in tobacco using a herbicide resistance gene as a selection marker. <i>Plant Cell, Tissue and Organ Culture</i> , 2005, 81, 165-174.	1.2	10
64	N-linked glycan analysis of glycoproteins secreted from rice cell suspension cultures under sugar starvation. <i>Enzyme and Microbial Technology</i> , 2010, 47, 189-193.	1.6	10
65	High-level production of recombinant trypsin in transgenic rice cell culture through utilization of an alternative carbon source and recycling system. <i>Enzyme and Microbial Technology</i> , 2014, 63, 21-27.	1.6	10
66	Production of recombinant human acid β -glucosidase with high mannose-type N-glycans in rice <i>gnt1</i> mutant for potential treatment of Gaucher disease. <i>Protein Expression and Purification</i> , 2019, 158, 81-88.	0.6	10
67	Comparing constitutive promoters using CAT activity in transgenic tobacco plants. <i>Molecules and Cells</i> , 2003, 16, 117-22.	1.0	10
68	Cultural characteristics and extraction of the fungal pigment phleichrome from the phytopathogenic fungus <i>Cladosporium phlei</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2007, 12, 508-515.	1.4	9
69	Highly expressed cholera toxin B subunit in the fruit of a transgenic tomato (<i>Lycopersicon</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.4	6
70	Improved production of phleichrome from the phytopathogenic fungus <i>Cladosporium phlei</i> using synthetic inducers and photodynamic ROS production by phleichrome. <i>Journal of Bioscience and Bioengineering</i> , 2015, 119, 289-296.	1.1	6
71	Production and immunogenicity of <i>Actinobacillus pleuropneumoniae</i> ApxIIA protein in transgenic rice callus. <i>Protein Expression and Purification</i> , 2017, 132, 116-123.	0.6	6
72	Systemic and Oral Immunogenicity of Porcine Epidemic Diarrhea Virus Antigen Fused to Poly-Fc of Immunoglobulin G and Expressed in β XT/FT <i>Nicotiana benthamiana</i> Plants. <i>Frontiers in Pharmacology</i> , 2021, 12, 653064.	1.6	6

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73	A simple purification procedure of biologically active recombinant human granulocyte macrophage colony stimulating factor (hGM-CSF) secreted in rice cell suspension culture. <i>Biotechnology and Bioprocess Engineering</i> , 2004, 9, 423-427.	1.4	5
74	Production of monoclonal antibodies against the FimA protein of <i>Porphyromonas gingivalis</i> in <i>Nicotiana benthamiana</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2012, 17, 420-426.	1.4	5
75	Production of monoclonal antibodies against 53-kDa protein of <i>Porphyromonas gingivalis</i> in transgenic rice cell suspension culture. <i>Plant Cell, Tissue and Organ Culture</i> , 2016, 126, 387-397.	1.2	5
76	Dengue Virus E Glycoprotein Production in Transgenic Rice Callus. <i>Molecular Biotechnology</i> , 2014, 56, 1069-1078.	1.3	4
77	Title is missing!. <i>Biotechnology Letters</i> , 1999, 21, 381-384.	1.1	1
78	Expression of nutritionally well-balanced protein, AmA1, in <i>Saccharomyces cerevisiae</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2001, 6, 173-178.	1.4	1
79	In vivo evaluation of transgenic watercress containing gene encoding <i>Escherichia coli</i> heat-labile toxin B subunit. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2015, 24, 129-134.	0.9	1
80	Synthesis and assembly of dengue virus envelope protein fused to cholera toxin B subunit into biologically active oligomers in transgenic tomato (<i>Solanum lycopersicum</i>). <i>Plant Biotechnology Reports</i> , 2016, 10, 219-226.	0.9	0