

Kisung Ko

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9557692/publications.pdf>

Version: 2024-02-01

91
papers

1,743
citations

331670

21
h-index

315739

38
g-index

94
all docs

94
docs citations

94
times ranked

1536
citing authors

#	ARTICLE	IF	CITATIONS
1	Function and glycosylation of plant-derived antiviral monoclonal antibody. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 8013-8018.	7.1	243
2	Anticancer Effects of Different Seaweeds on Human Colon and Breast Cancers. Marine Drugs, 2014, 12, 4898-4911.	4.6	103
3	Plant biopharming of monoclonal antibodies. Virus Research, 2005, 111, 93-100.	2.2	99
4	Controlled glycosylation of therapeutic antibodies in plants. Archives of Biochemistry and Biophysics, 2004, 426, 266-278.	3.0	85
5	Plant-derived anti-Lewis Y mAb exhibits biological activities for efficient immunotherapy against human cancer cells. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8804-8809.	7.1	80
6	Inhibition of tumor growth by plant-derived mAb. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 7026-7030.	7.1	71
7	Title is missing!. Biotechnology Letters, 2000, 22, 373-381.	2.2	56
8	Intracellular Reprogramming of Expression, Glycosylation, and Function of a Plant-Derived Antiviral Therapeutic Monoclonal Antibody. PLoS ONE, 2013, 8, e68772.	2.5	46
9	Expression of GA733-Fc Fusion Protein as a Vaccine Candidate for Colorectal Cancer in Transgenic Plants. Journal of Biomedicine and Biotechnology, 2012, 2012, 1-11.	3.0	44
10	Role of genetic factors and environmental conditions in recombinant protein production for molecular farming. Biotechnology Advances, 2009, 27, 914-923.	11.7	40
11	Effects of daunorubicin on ganglioside expression and neuronal differentiation of mouse embryonic stem cells. Biochemical and Biophysical Research Communications, 2007, 362, 313-318.	2.1	36
12	High-throughput quantitative analysis of plant N-glycan using a DNA sequencer. Biochemical and Biophysical Research Communications, 2009, 380, 223-229.	2.1	35
13	Optimization of Ammonium Sulfate Concentration for Purification of Colorectal Cancer Vaccine Candidate Recombinant Protein GA733-FcK Isolated from Plants. Frontiers in Plant Science, 2015, 6, 1040.	3.6	33
14	Optimization of episomal reprogramming for generation of human induced pluripotent stem cells from fibroblasts. Animal Cells and Systems, 2018, 22, 132-139.	2.2	33
15	Isolation and analysis of natural compounds from silkworm pupae and effect of its extracts on alcohol detoxification. Entomological Research, 2012, 42, 55-62.	1.1	31
16	Glyco-engineering of biotherapeutic proteins in plants. Molecules and Cells, 2008, 25, 494-503.	2.6	31
17	Optimization of Matrigel-based culture for expansion of neural stem cells. Animal Cells and Systems, 2015, 19, 175-180.	2.2	29
18	Production of Monoclonal Antibodies in Plants for Cancer Immunotherapy. BioMed Research International, 2015, 2015, 1-9.	1.9	27

#	ARTICLE	IF	CITATIONS
19	Effect of the developmental stage and tissue position on the expression and glycosylation of recombinant glycoprotein GA733-FcK in transgenic plants. <i>Frontiers in Plant Science</i> , 2015, 5, 778.	3.6	27
20	Expression of Recombinant Vaccines and Antibodies in Plants. <i>Monoclonal Antibodies in Immunodiagnosis and Immunotherapy</i> , 2014, 33, 192-198.	1.6	25
21	Relationship between ganglioside expression and anti-cancer effects of the monoclonal antibody against epithelial cell adhesion molecule in colon cancer. <i>Experimental and Molecular Medicine</i> , 2011, 43, 693.	7.7	23
22	Glycomodification and characterization of anti-colorectal cancer immunotherapeutic monoclonal antibodies in transgenic tobacco. <i>Plant Cell, Tissue and Organ Culture</i> , 2013, 113, 41-49.	2.3	22
23	Production of Recombinant Anti-Cancer Vaccines in Plants. <i>Biomolecules and Therapeutics</i> , 2017, 25, 345-353.	2.4	22
24	<i>N</i>-Glycosylation Modification of Plant-Derived Virus-Like Particles: An Application in Vaccines. <i>BioMed Research International</i> , 2014, 2014, 1-8.	1.9	19
25	Comparison of total soluble protein in various horticultural crops and evaluation of its quantification methods. <i>Horticulture Environment and Biotechnology</i> , 2015, 56, 123-129.	2.1	19
26	Characterization of N-glycan structures and biofunction of anti-colorectal cancer monoclonal antibody CO17-1A produced in baculovirus-insect cell expression system. <i>Journal of Bioscience and Bioengineering</i> , 2010, 110, 135-140.	2.2	18
27	Production of therapeutic proteins with baculovirus expression system in insect cell. <i>Entomological Research</i> , 2008, 38, S71.	1.1	17
28	Expression of a Human Prostatic Acid Phosphatase (PAP)-IgM Fc Fusion Protein in Plants Using In vitro Tissue Subculture. <i>Frontiers in Plant Science</i> , 2017, 08, 274.	3.6	16
29	Transgenerational effects of paternal alcohol exposure in mouse offspring. <i>Animal Cells and Systems</i> , 2013, 17, 429-434.	2.2	15
30	Molecular characterization of acidic peptide:N-glycanase from the dimorphic yeast <i>Yarrowia lipolytica</i> . <i>Journal of Biochemistry</i> , 2015, 157, 35-43.	1.7	15
31	Hydrangenol suppresses VEGF-stimulated angiogenesis by targeting p27KIP1-dependent G1-cell cycle arrest, VEGFR-2-mediated signaling, and MMP-2 expression. <i>Animal Cells and Systems</i> , 2019, 23, 72-81.	2.2	14
32	Chimerism of multiple monoclonal antibodies expressed in a single plant. <i>Horticulture Environment and Biotechnology</i> , 2012, 53, 544-551.	2.1	13
33	Expression, glycosylation and function of recombinant anti-colorectal cancer mAb CO17-1A in SfSWT4 insect cells. <i>Entomological Research</i> , 2014, 44, 39-46.	1.1	13
34	Plant Recycling for Molecular Biofarming to Produce Recombinant Anti-Cancer mAb. <i>Frontiers in Plant Science</i> , 2016, 7, 1037.	3.6	13
35	Endoplasmic reticulum retention motif fused to recombinant anti-cancer monoclonal antibody (mAb) CO17-1A affects mAb expression and plant stress response. <i>PLoS ONE</i> , 2018, 13, e0198978.	2.5	13
36	Expression and In Vitro Function of Anti-Breast Cancer Llama-Based Single Domain Antibody VHH Expressed in Tobacco Plants. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1354.	4.1	13

#	ARTICLE	IF	CITATIONS
37	Roles of gangliosides in the differentiation of mouse pluripotent stem cells to neural stem cells and neural cells. <i>Molecular Medicine Reports</i> , 2017, 16, 987-993.	2.4	12
38	Reprogramming of Cancer Cells into Induced Pluripotent Stem Cells Questioned. <i>International Journal of Stem Cells</i> , 2019, 12, 430-439.	1.8	12
39	Peanut Sprout Extracts Cultivated with Fermented Sawdust Medium Inhibits Benign Prostatic Hyperplasia <i>In Vitro</i> and <i>In Vivo</i> . <i>World Journal of Men's Health</i> , 2020, 38, 385.	3.3	12
40	Optimization of Expression Conditions for Production of Anti-colorectal Cancer Monoclonal Antibody CO17-1A in Baculovirus-insect Cell System. <i>Hybridoma</i> , 2011, 30, 419-426.	0.4	11
41	Enhanced Luminescent Detection of Circulating Tumor Cells by a 3D Printed Immunomagnetic Concentrator. <i>Biosensors</i> , 2021, 11, 278.	4.7	11
42	Expression of recombinant anti-breast cancer immunotherapeutic monoclonal antibody in baculovirus-insect cell system. <i>Entomological Research</i> , 2014, 44, 207-214.	1.1	10
43	Effect of cyclic stretching on cell shape and division. <i>Biochip Journal</i> , 2015, 9, 306-312.	4.9	10
44	Optimization of colorectal cancer vaccine candidate protein GA733-Fc expression in a baculovirus-insect cell system. <i>Entomological Research</i> , 2015, 45, 39-48.	1.1	10
45	Immune response of heterologous recombinant antigenic protein of viral hemorrhagic septicemia virus (VHSV) in mice. <i>Animal Cells and Systems</i> , 2019, 23, 97-105.	2.2	10
46	Effect of leaf position and days post-infiltration on transient expression of colorectal cancer vaccine candidate proteins GA733-Fc and GA733-FcK in <i>Nicotiana benthamiana</i> plant. <i>PeerJ</i> , 2021, 9, e10851.	2.0	10
47	Epigenetic alteration of imprinted genes during neural differentiation of germline-derived pluripotent stem cells. <i>Epigenetics</i> , 2016, 11, 177-183.	2.7	9
48	Two-Step Generation of Oligodendrocyte Progenitor Cells From Mouse Fibroblasts for Spinal Cord Injury. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 198.	3.7	9
49	Self-Reprogramming of Spermatogonial Stem Cells into Pluripotent Stem Cells without Microenvironment of Feeder Cells. <i>Molecules and Cells</i> , 2018, 41, 631-638.	2.6	9
50	Biological Validation of Plant-derived Anti-human Colorectal Cancer Monoclonal Antibody CO17-1A. <i>Hybridoma</i> , 2009, 28, 7-12.	0.4	8
51	Characterization of the Glycan Structures of Glycoprotein GA733-Fc Expressed in a Baculovirus-Insect Cell System. <i>Bulletin of the Korean Chemical Society</i> , 2015, 36, 139-149.	1.9	8
52	Effect of nitrogen deficiency on recombinant protein production and dimerization and growth in transgenic plants. <i>Horticulture Environment and Biotechnology</i> , 2016, 57, 299-307.	2.1	8
53	Novel imprinted single CpG sites found by global DNA methylation analysis in human parthenogenetic induced pluripotent stem cells. <i>Epigenetics</i> , 2018, 13, 343-351.	2.7	8
54	Effect of Oak Tree Sawdust Fermentation Period on Peanut Seed Germination, Seedling Biomass, and Morphology. <i>Horticulturae</i> , 2021, 7, 182.	2.8	8

#	ARTICLE	IF	CITATIONS
55	Expression and function of plant-derived recombinant multiple monoclonal antibodies for the recognition of human colorectal cancer cells. <i>Plant Biotechnology Reports</i> , 2015, 9, 361-368.	1.5	7
56	Optimization of Tomato Productivity Using Flowering Time Variants. <i>Agronomy</i> , 2021, 11, 285.	3.0	7
57	Epigenetic suppression of the anti-aging gene <i>KLOTHO</i> in human prostate cancer cell lines. <i>Animal Cells and Systems</i> , 2017, 21, 223-232.	2.2	6
58	Expression and <i>in vitro</i> function of anti-cancer mAbs in transgenic <i>Arabidopsis thaliana</i> . <i>BMB Reports</i> , 2020, 53, 229-233.	2.4	6
59	Purification of human carcinoma antigen GA733-2 expressed in <i>Escherichia coli</i> and production of its polyclonal antibody in rabbit. <i>Animal Cells and Systems</i> , 2015, 19, 188-193.	2.2	5
60	Multigenerational effects of maternal cigarette smoke exposure during pregnancy on sperm counts of F1 and F2 male offspring. <i>Reproductive Toxicology</i> , 2018, 78, 169-177.	2.9	5
61	Reprogramming of spermatogonial stem cells into pluripotent stem cells in the spheroidal state. <i>Animal Cells and Systems</i> , 2019, 23, 392-398.	2.2	5
62	Expression of a Large Single-Chain 13F6 Antibody with Binding Activity against Ebola Virus-Like Particles in a Plant System. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7007.	4.1	5
63	Expression of Colorectal Cancer Antigenic Protein Fused to IgM Fc in Chinese Cabbage (<i>Brassica rapa</i>). <i>Plants</i> , 2020, 9, 1466.	3.5	5
64	Expression, function, and glycosylation of anti-colorectal cancer large single-chain antibody (LSC) in plant. <i>Plant Biotechnology Reports</i> , 2020, 14, 363-371.	1.5	5
65	Purification of plant-derived anti-virus mAb through optimized pH conditions for coupling between protein A and epoxy-activated beads. <i>PeerJ</i> , 2019, 7, e6828.	2.0	5
66	Effect of an Endoplasmic Reticulum Retention Signal Tagged to Human Anti-Rabies mAb SO57 on Its Expression in <i>Arabidopsis</i> and Plant Growth. <i>Molecules and Cells</i> , 2021, 44, 770-779.	2.6	5
67	Murine response studies of insect cell (<i>Sf9</i>) expressed recombinant colorectal cancer vaccine candidate using surface plasmon resonance studies. <i>Entomological Research</i> , 2016, 46, 5-14.	1.1	4
68	Baculovirus titration method based on MOI values for optimizing recombinant protein expression of the anti-cancer vaccine candidate GA733-Fc using Sf9 insect cells. <i>Entomological Research</i> , 2018, 48, 73-79.	1.1	4
69	A Plant-Derived Antigen-Antibody Complex Induces Anti-Cancer Immune Responses by Forming a Large Quaternary Structure. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5603.	4.1	4
70	Functional expression of the sweet-tasting protein brazzein in transgenic tobacco. <i>Food Science and Technology</i> , 0, , .	1.7	4
71	Alteration of Genomic Imprinting Status of Human Parthenogenetic Induced Pluripotent Stem Cells during Neural Lineage Differentiation. <i>International Journal of Stem Cells</i> , 2019, 12, 31-42.	1.8	4
72	Expression of recombinant proteins in plants by using baculovirus vectors. <i>Horticulture Environment and Biotechnology</i> , 2011, 52, 95-104.	2.1	3

#	ARTICLE	IF	CITATIONS
73	Expression of recombinant anti-colorectal cancer large single-chain monoclonal antibody in insect cells. <i>Entomological Research</i> , 2012, 42, 291-298.	1.1	3
74	Enhanced activities of reproductive system in male rat treated with male silkworm pupae extract. <i>Entomological Research</i> , 2013, 43, 101-107.	1.1	3
75	Analysis of the Genome of a Korean Isolate of the <i>Pieris rapae</i> Granulovirus Enabled by Its Separation from Total Host Genomic DNA by Pulse-Field Electrophoresis. <i>PLoS ONE</i> , 2013, 8, e84183.	2.5	3
76	In vitro generation of functional dendritic cells differentiated from CD34 negative cells isolated from human umbilical cord blood. <i>Cell Biology International</i> , 2015, 39, 1080-1086.	3.0	3
77	Purification of anti-colorectal cancer monoclonal antibody CO17-1A from insect cell culture using a French press and sonication. <i>Entomological Research</i> , 2015, 45, 102-109.	1.1	3
78	Functionality of insect cell-derived colorectal cancer vaccine candidate protein pCAMF in human dendritic cells. <i>Entomological Research</i> , 2015, 45, 162-166.	1.1	3
79	Zinc induces LPS-mediated upregulation of HBD-2 via ERK1/2 and p38MAPK signaling pathways in human prostate epithelial cells. <i>Animal Cells and Systems</i> , 2016, 20, 317-324.	2.2	3
80	Expression, glycosylation, and function of an anti-rabies virus monoclonal antibody in tobacco and <i>Arabidopsis</i> plants. <i>Horticulture Environment and Biotechnology</i> , 2018, 59, 285-292.	2.1	3
81	Low risk of pollen-mediated gene flow in transgenic plants under greenhouse conditions. <i>Horticulture Environment and Biotechnology</i> , 2018, 59, 723-728.	2.1	3
82	In vitro wound healing: Inhibition activity of insect-derived mAb CO17-1A in human colorectal cancer cell migration. <i>Entomological Research</i> , 2020, 50, 199-204.	1.1	3
83	Plant-derived mAbs have effective anti-cancer activities by increasing ganglioside expression in colon cancers. <i>Biotechnology Letters</i> , 2013, 35, 2031-2038.	2.2	2
84	Relationship between ganglioside expression and anti-cancer effects of a plant-derived antibody in breast cancer cells. <i>Journal of Plant Biotechnology</i> , 2019, 46, 217-227.	0.4	2
85	Effect of gangliosides on LPS stimulation and nitric oxide release in porcine kidney cell line PK15. <i>Animal Cells and Systems</i> , 2013, 17, 341-347.	2.2	1
86	Expression analysis and immunohistochemical localization of putative tumor suppressor QM homologue from the cabbage butterfly, <i>Pieris rapae</i> . <i>Entomological Research</i> , 2013, 43, 262-270.	1.1	1
87	Growth Suppression of Colorectal Cancer by Plant-Derived Multiple mAb CO17-1A – BR55 via Inhibition of ERK1/2 Phosphorylation. <i>International Journal of Molecular Sciences</i> , 2014, 15, 21105-21119.	4.1	1
88	Application of Engineered Zinc Finger Proteins Immobilized on Paramagnetic Beads for Multiplexed Detection of Pathogenic DNA. <i>Journal of Microbiology and Biotechnology</i> , 2021, 31, 1323-1329.	2.1	1
89	Cloning and expression profiles of tumor suppressor QM homologue in response to granulovirus in <i>Pieris rapae</i> . <i>Entomological Research</i> , 2011, 41, 293-293.	1.1	0
90	Molecular cloning and expression patterns of FK506-binding protein 12, an immunophilin from the cabbage butterfly, <i>Pieris rapae</i> . <i>Entomological Research</i> , 2011, 41, 296-296.	1.1	0

#	ARTICLE	IF	CITATIONS
91	Generation of human androgenetic induced pluripotent stem cells. Scientific Reports, 2020, 10, 3614.	3.3	0