

# Kisung Ko

## List of Publications by Year in descending order

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91  
papers

1,743  
citations

331670

21  
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315739

38  
g-index

94  
all docs

94  
docs citations

94  
times ranked

1536  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of Tomato Productivity Using Flowering Time Variants. <i>Agronomy</i> , 2021, 11, 285.	3.0	7
2	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
3	Effect of Oak Tree Sawdust Fermentation Period on Peanut Seed Germination, Seedling Biomass, and Morphology. <i>Horticulturae</i> , 2021, 7, 182.	2.8	8
4	Enhanced Luminescent Detection of Circulating Tumor Cells by a 3D Printed Immunomagnetic Concentrator. <i>Biosensors</i> , 2021, 11, 278.	4.7	11
5	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
6	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
7	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
8	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
9	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
10	In vitro wound healing: Inhibition activity of insect-derived mAb CO17A1A in human colorectal cancer cell migration. <i>Entomological Research</i> , 2020, 50, 199-204.	1.1	3
11	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
12	Generation of human androgenetic induced pluripotent stem cells. <i>Scientific Reports</i> , 2020, 10, 3614.	3.3	0
13	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
14	Expression and in vitro function of anti-cancer mAbs in transgenic <i>Arabidopsis thaliana</i> . <i>BMB Reports</i> , 2020, 53, 229-233.	2.4	6
15	Peanut Sprout Extracts Cultivated with Fermented Sawdust Medium Inhibits Benign Prostatic Hyperplasia in Vitro and In Vivo. <i>World Journal of Men's Health</i> , 2020, 38, 385.	3.3	12
16	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
17	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
18	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

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19	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
20	Reprogramming of Cancer Cells into Induced Pluripotent Stem Cells Questioned. <i>International Journal of Stem Cells</i> , 2019, 12, 430-439.	1.8	12
21	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
22	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
23	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
24	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
25	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
26	Expression, glycosylation, and function of an anti-rabies virus monoclonal antibody in tobacco and Arabidopsis plants. <i>Horticulture Environment and Biotechnology</i> , 2018, 59, 285-292.	2.1	3
27	Optimization of episomal reprogramming for generation of human induced pluripotent stem cells from fibroblasts. <i>Animal Cells and Systems</i> , 2018, 22, 132-139.	2.2	33
28	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
29	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
30	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
31	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
32	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
33	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
34	Production of Recombinant Anti-Cancer Vaccines in Plants. <i>Biomolecules and Therapeutics</i> , 2017, 25, 345-353.	2.4	22
35	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
36	Plant Recycling for Molecular Biofarming to Produce Recombinant Anti-Cancer mAb. <i>Frontiers in Plant Science</i> , 2016, 7, 1037.	3.6	13

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37	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
38	Murine response studies of insect cell (<sc>S</sc>f9) expressed recombinant colorectal cancer vaccine candidate using surface plasmon resonance studies. <i>Entomological Research</i> , 2016, 46, 5-14.	1.1	4
39	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
40	Epigenetic alteration of imprinted genes during neural differentiation of germline-derived pluripotent stem cells. <i>Epigenetics</i> , 2016, 11, 177-183.	2.7	9
41	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
42	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
43	Purification of anti-colorectal cancer monoclonal antibody <sc>CO17</sc>-<sc>1A</sc> from insect cell culture using a <sc>F</sc>rench press and sonication. <i>Entomological Research</i> , 2015, 45, 102-109.	1.1	3
44	Functionality of insect-cell-derived colorectal cancer vaccine candidate protein <sc>E</sc>-<sc>CAM</sc>c in human dendritic cells. <i>Entomological Research</i> , 2015, 45, 162-166.	1.1	3
45	Optimization of Ammonium Sulfate Concentration for Purification of Colorectal Cancer Vaccine Candidate Recombinant Protein GA733-FcK Isolated from Plants. <i>Frontiers in Plant Science</i> , 2015, 6, 1040.	3.6	33
46	Production of Monoclonal Antibodies in Plants for Cancer Immunotherapy. <i>BioMed Research International</i> , 2015, 2015, 1-9.	1.9	27
47	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
48	Effect of cyclic stretching on cell shape and division. <i>Biochip Journal</i> , 2015, 9, 306-312.	4.9	10
49	Characterization of the Glycan Structures of Glycoprotein <sc>GA733</sc>-Fc Expressed in a Baculovirus-Insect Cell System. <i>Bulletin of the Korean Chemical Society</i> , 2015, 36, 139-149.	1.9	8
50	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
51	Optimization of Matrigel-based culture for expansion of neural stem cells. <i>Animal Cells and Systems</i> , 2015, 19, 175-180.	2.2	29
52	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
53	Optimization of colorectal cancer vaccine candidate protein <sc>GA733</sc>-<sc>F</sc>c expression in a baculovirus-insect cell system. <i>Entomological Research</i> , 2015, 45, 39-48.	1.1	10
54	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

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55	Anticancer Effects of Different Seaweeds on Human Colon and Breast Cancers. <i>Marine Drugs</i> , 2014, 12, 4898-4911.	4.6	103
56	<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
57	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
58	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
59	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
60	Expression of Recombinant Vaccines and Antibodies in Plants. <i>Monoclonal Antibodies in Immunodiagnosis and Immunotherapy</i> , 2014, 33, 192-198.	1.6	25
61	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
62	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
63	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
64	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
65	Expression analysis and immunohistochemical localization of putative tumor suppressor <i>QM</i> homologue from the cabbage butterfly, <i>Pieris rapae</i> . <i>Entomological Research</i> , 2013, 43, 262-270.	1.1	1
66	Transgenerational effects of paternal alcohol exposure in mouse offspring. <i>Animal Cells and Systems</i> , 2013, 17, 429-434.	2.2	15
67	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
68	Intracellular Reprogramming of Expression, Glycosylation, and Function of a Plant-Derived Antiviral Therapeutic Monoclonal Antibody. <i>PLoS ONE</i> , 2013, 8, e68772.	2.5	46
69	Expression of GA733-Fc Fusion Protein as a Vaccine Candidate for Colorectal Cancer in Transgenic Plants. <i>Journal of Biomedicine and Biotechnology</i> , 2012, 2012, 1-11.	3.0	44
70	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
71	Chimerism of multiple monoclonal antibodies expressed in a single plant. <i>Horticulture Environment and Biotechnology</i> , 2012, 53, 544-551.	2.1	13
72	Isolation and analysis of natural compounds from silkworm pupae and effect of its extracts on alcohol detoxification. <i>Entomological Research</i> , 2012, 42, 55-62.	1.1	31

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73	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
74	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
75	Expression of recombinant proteins in plants by using baculovirus vectors. <i>Horticulture Environment and Biotechnology</i> , 2011, 52, 95-104.	2.1	3
76	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
77	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
78	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
79	Biological Validation of Plant-derived Anti-human Colorectal Cancer Monoclonal Antibody CO17-1A. <i>Hybridoma</i> , 2009, 28, 7-12.	0.4	8
80	Role of genetic factors and environmental conditions in recombinant protein production for molecular farming. <i>Biotechnology Advances</i> , 2009, 27, 914-923.	11.7	40
81	High-throughput quantitative analysis of plant N-glycan using a DNA sequencer. <i>Biochemical and Biophysical Research Communications</i> , 2009, 380, 223-229.	2.1	35
82	Production of therapeutic proteins with baculovirus expression system in insect cell. <i>Entomological Research</i> , 2008, 38, S71.	1.1	17
83	Glyco-engineering of biotherapeutic proteins in plants. <i>Molecules and Cells</i> , 2008, 25, 494-503.	2.6	31
84	Effects of daunorubicin on ganglioside expression and neuronal differentiation of mouse embryonic stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2007, 362, 313-318.	2.1	36
85	Plant-derived anti-Lewis Y mAb exhibits biological activities for efficient immunotherapy against human cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 8804-8809.	7.1	80
86	Inhibition of tumor growth by plant-derived mAb. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 7026-7030.	7.1	71
87	Plant biopharming of monoclonal antibodies. <i>Virus Research</i> , 2005, 111, 93-100.	2.2	99
88	Controlled glycosylation of therapeutic antibodies in plants. <i>Archives of Biochemistry and Biophysics</i> , 2004, 426, 266-278.	3.0	85
89	Function and glycosylation of plant-derived antiviral monoclonal antibody. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 8013-8018.	7.1	243
90	Title is missing!. <i>Biotechnology Letters</i> , 2000, 22, 373-381.	2.2	56

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91	Functional expression of the sweet-tasting protein brazzein in transgenic tobacco. Food Science and Technology, 0, , .	1.7	4