

# Sung-Gu Han

## 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.

92  
papers

1,597  
citations

23  
h-index

36  
g-index

98  
ext. papers

2,050  
ext. citations

4.1  
avg, IF

5.04  
L-index

#	Paper	IF	Citations
92	EGCG protects endothelial cells against PCB 126-induced inflammation through inhibition of AhR and induction of Nrf2-regulated genes. <i>Toxicology and Applied Pharmacology</i> , <b>2012</b> , 261, 181-8	4.6	93
91	Nanotechnology in meat processing and packaging: potential applications - a review. <i>Asian-Australasian Journal of Animal Sciences</i> , <b>2015</b> , 28, 290-302	2.4	80
90	Titanium dioxide nanoparticles increase inflammatory responses in vascular endothelial cells. <i>Toxicology</i> , <b>2013</b> , 306, 1-8	4.4	75
89	Correlates of oxidative stress and free-radical activity in serum from asymptomatic shipyard welders. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2005</b> , 172, 1541-8	10.2	66
88	Acute pulmonary response of mice to multi-wall carbon nanotubes. <i>Inhalation Toxicology</i> , <b>2010</b> , 22, 340-7	7.7	64
87	Green tea diet decreases PCB 126-induced oxidative stress in mice by up-regulating antioxidant enzymes. <i>Journal of Nutritional Biochemistry</i> , <b>2014</b> , 25, 126-35	6.3	55
86	Size-dependent clearance of gold nanoparticles from lungs of Sprague-Dawley rats after short-term inhalation exposure. <i>Archives of Toxicology</i> , <b>2015</b> , 89, 1083-94	5.8	53
85	28-Day inhalation toxicity of graphene nanoplatelets in Sprague-Dawley rats. <i>Nanotoxicology</i> , <b>2016</b> , 10, 891-901	5.3	53
84	Moringa extract enhances the fermentative, textural, and bioactive properties of yogurt. <i>LWT - Food Science and Technology</i> , <b>2019</b> , 101, 276-284	5.4	51
83	Roles of microRNAs in mammalian reproduction: from the commitment of germ cells to peri-implantation embryos. <i>Biological Reviews</i> , <b>2019</b> , 94, 415-438	13.5	49
82	Bovine mastitis: risk factors, therapeutic strategies, and alternative treatments - A review. <i>Asian-Australasian Journal of Animal Sciences</i> , <b>2020</b> , 33, 1699-1713	2.4	41
81	Mitochondrial and metabolic remodeling during reprogramming and differentiation of the reprogrammed cells. <i>Stem Cells and Development</i> , <b>2015</b> , 24, 1366-73	4.4	40
80	Acute pulmonary effects of combined exposure to carbon nanotubes and ozone in mice. <i>Inhalation Toxicology</i> , <b>2008</b> , 20, 391-8	2.7	40
79	Effect of Swiss Chard () as Nitrite Replacement on Color Stability and Shelf-Life of Cooked Pork Patties during Refrigerated Storage. <i>Korean Journal for Food Science of Animal Resources</i> , <b>2017</b> , 37, 418-428		39
78	Physicochemical Properties of Meat Batter Added with Edible Silkworm Pupae () and Transglutaminase. <i>Korean Journal for Food Science of Animal Resources</i> , <b>2017</b> , 37, 351-359		35
77	Comparative cytotoxicity of cadmium and mercury in a human bronchial epithelial cell line (BEAS-2B) and its role in oxidative stress and induction of heat shock protein 70. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>2007</b> , 70, 852-60	3.2	34
76	Technical Functional Properties of Water- and Salt-soluble Proteins Extracted from Edible Insects. <i>Food Science of Animal Resources</i> , <b>2019</b> , 39, 643-654	3.2	31

75	Arsenic downregulates tight junction claudin proteins through p38 and NF- $\kappa$ B in intestinal epithelial cell line, HT-29. <i>Toxicology</i> , <b>2017</b> , 379, 31-39	4.4	30
74	5-Day repeated inhalation and 28-day post-exposure study of graphene. <i>Nanotoxicology</i> , <b>2015</b> , 9, 1023-34	3.3	29
73	Polychlorinated biphenyl-induced VCAM-1 expression is attenuated in aortic endothelial cells isolated from caveolin-1 deficient mice. <i>Toxicology and Applied Pharmacology</i> , <b>2010</b> , 246, 74-82	4.6	29
72	Phytoncide Extracted from Pinecone Decreases LPS-Induced Inflammatory Responses in Bovine Mammary Epithelial Cells. <i>Journal of Microbiology and Biotechnology</i> , <b>2016</b> , 26, 579-87	3.3	26
71	Pulmonary Responses of Sprague-Dawley Rats in Single Inhalation Exposure to Graphene Oxide Nanomaterials. <i>BioMed Research International</i> , <b>2015</b> , 2015, 376756	3	23
70	Piperlongumine Induces Cell Cycle Arrest via Reactive Oxygen Species Accumulation and IKK $\alpha$ Suppression in Human Breast Cancer Cells. <i>Antioxidants</i> , <b>2019</b> , 8,	7.1	23
69	Short communication: Chia seed extract enhances physiochemical and antioxidant properties of yogurt. <i>Journal of Dairy Science</i> , <b>2019</b> , 102, 4870-4876	4	22
68	PCB 126 toxicity is modulated by cross-talk between caveolae and Nrf2 signaling. <i>Toxicology and Applied Pharmacology</i> , <b>2014</b> , 277, 192-9	4.6	22
67	PCB 77 dechlorination products modulate pro-inflammatory events in vascular endothelial cells. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 6354-64	5.1	22
66	Heat shock protein 70 as an indicator of early lung injury caused by exposure to arsenic. <i>Molecular and Cellular Biochemistry</i> , <b>2005</b> , 277, 153-64	4.2	21
65	Piperlongumine decreases cell proliferation and the expression of cell cycle-associated proteins by inhibiting Akt pathway in human lung cancer cells. <i>Food and Chemical Toxicology</i> , <b>2018</b> , 111, 9-18	4.7	18
64	Inorganic arsenic inhibits the nucleotide excision repair pathway and reduces the expression of XPC. <i>DNA Repair</i> , <b>2017</b> , 52, 70-80	4.3	17
63	Exercise protects against PCB-induced inflammation and associated cardiovascular risk factors. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 2201-11	5.1	17
62	Bee Venom Decreases LPS-Induced Inflammatory Responses in Bovine Mammary Epithelial Cells. <i>Journal of Microbiology and Biotechnology</i> , <b>2017</b> , 27, 1827-1836	3.3	17
61	Green tea powder supplementation enhances fermentation and antioxidant activity of set-type yogurt. <i>Food Science and Biotechnology</i> , <b>2018</b> , 27, 1419-1427	3	16
60	Atherogenic and pulmonary responses of ApoE- and LDL receptor-deficient mice to sidestream cigarette smoke. <i>Toxicology</i> , <b>2012</b> , 299, 133-8	4.4	16
59	Oxidative stress-induced inflammatory responses and effects of N-acetylcysteine in bovine mammary alveolar cells. <i>Journal of Dairy Research</i> , <b>2017</b> , 84, 418-425	1.6	16
58	Moringa Extract Attenuates Inflammatory Responses and Increases Gene Expression of Casein in Bovine Mammary Epithelial Cells. <i>Animals</i> , <b>2019</b> , 9,	3.1	15

57	Pulmonary and atherogenic effects of multi-walled carbon nanotubes (MWCNT) in apolipoprotein-E-deficient mice. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>2015</b> , 78, 244-53	3.2	15
56	Oxidative Stability and Quality Characteristics of Duck, Chicken, Swine and Bovine Skin Fats Extracted by Pressurized Hot Water Extraction. <i>Food Science of Animal Resources</i> , <b>2019</b> , 39, 446-458	3.2	15
55	Effects of Aluminum on the Integrity of the Intestinal Epithelium: An and Study. <i>Environmental Health Perspectives</i> , <b>2020</b> , 128, 17013	8.4	13
54	Effects of konjac gel with vegetable powders as fat replacers in frankfurter-type sausage. <i>Asian-Australasian Journal of Animal Sciences</i> , <b>2019</b> , 32, 1195-1204	2.4	13
53	Formononetin inhibits lipopolysaccharide-induced release of high mobility group box 1 by upregulating SIRT1 in a PPAR $\gamma$ -dependent manner. <i>PeerJ</i> , <b>2018</b> , 6, e4208	3.1	13
52	In vitro toxicity assessment of crosslinking agents used in hyaluronic acid dermal filler. <i>Toxicology in Vitro</i> , <b>2021</b> , 70, 105034	3.6	12
51	Zearalenone Induces Endoplasmic Reticulum Stress and Modulates the Expression of Phase I/II Enzymes in Human Liver Cells. <i>Toxins</i> , <b>2019</b> , 12,	4.9	11
50	Current Issues and Technical Advances in Cultured Meat Production: A Review. <i>Food Science of Animal Resources</i> , <b>2021</b> , 41, 355-372	3.2	11
49	Exposure of Human Lung Cells to Tobacco Smoke Condensate Inhibits the Nucleotide Excision Repair Pathway. <i>PLoS ONE</i> , <b>2016</b> , 11, e0158858	3.7	11
48	Ligand-Dependent Interaction of PPAR $\gamma$ With T-Cell Protein Tyrosine Phosphatase 45 Enhances Insulin Signaling. <i>Diabetes</i> , <b>2018</b> , 67, 360-371	0.9	11
47	Subcritical water-hydrolyzed fish collagen ameliorates survival of endotoxemic mice by inhibiting HMGB1 release in a HO-1-dependent manner. <i>Biomedicine and Pharmacotherapy</i> , <b>2017</b> , 93, 923-930	7.5	10
46	Effect of dietary selenium and cigarette smoke on pulmonary cell proliferation in mice. <i>Toxicological Sciences</i> , <b>2009</b> , 111, 247-53	4.4	10
45	Effect of the Duck Skin on Quality Characteristics of Duck Hams. <i>Korean Journal for Food Science of Animal Resources</i> , <b>2017</b> , 37, 360-367		10
44	Evaluation of gels formulated with whey proteins and sodium dodecyl sulfate as a fat replacer in low-fat sausage. <i>Food Chemistry</i> , <b>2021</b> , 337, 127682	8.5	10
43	Enhanced platelet reactivity and thrombosis in Apoe $^{-/-}$ mice exposed to cigarette smoke is attenuated by P2Y $_{12}$ antagonism. <i>Thrombosis Research</i> , <b>2010</b> , 126, e312-7	8.2	9
42	ADAMTS1-mediated targeting of TSP-1 by PPAR $\gamma$ suppresses migration and invasion of breast cancer cells. <i>Oncotarget</i> , <b>2017</b> , 8, 94091-94103	3.3	9
41	Dendritic Cell Immunotherapy Combined with Cytokine-Induced Killer Cells Effectively Suppresses Established Hepatocellular Carcinomas in Mice. <i>Immunological Investigations</i> , <b>2016</b> , 45, 553-65	2.9	8
40	Characteristics of Chinese chives ( <i>Allium tuberosum</i> ) fermented by <i>Leuconostoc mesenteroides</i> . <i>Applied Biological Chemistry</i> , <b>2016</b> , 59, 349-357	2.9	8

39	Lutein suppresses hyperglycemia-induced premature senescence of retinal pigment epithelial cells by upregulating SIRT1. <i>Journal of Food Biochemistry</i> , <b>2018</b> , 42, e12495	3.3	7
38	Exploring the Probiotic and Compound Feed Fermentative Applications of <i>Lactobacillus plantarum</i> SK1305 Isolated from Korean Green Chili Pickled Pepper. <i>Probiotics and Antimicrobial Proteins</i> , <b>2019</b> , 11, 801-812	5.5	7
37	Ligand-Activated Peroxisome Proliferator-Activated Receptor $\gamma$ Attenuates Vascular Oxidative Stress by Inhibiting Thrombospondin-1 Expression. <i>Journal of Vascular Research</i> , <b>2018</b> , 55, 75-86	1.9	6
36	Quality characteristics of yogurts fermented with short-chain fatty acid-producing probiotics and their effects on mucin production and probiotic adhesion onto human colon epithelial cells. <i>Journal of Dairy Science</i> , <b>2021</b> , 104, 7415-7425	4	6
35	Ligand-activated interaction of PPAR $\gamma$ with c-Myc governs the tumorigenicity of breast cancer. <i>International Journal of Cancer</i> , <b>2018</b> , 143, 2985-2996	7.5	6
34	Effect of Fermented Medicinal Plants as Dietary Additives on Food Preference and Fecal Microbial Quality in Dogs. <i>Animals</i> , <b>2019</b> , 9,	3.1	5
33	Activation of PPAR $\delta$ attenuates neurotoxicity by inhibiting lipopolysaccharide-triggered glutamate release in BV-2 microglial cells. <i>Journal of Cellular Biochemistry</i> , <b>2018</b> , 119, 5609-5619	4.7	5
32	Tolerogenic dendritic cells show gene expression profiles that are different from those of immunogenic dendritic cells in DBA/1 mice. <i>Autoimmunity</i> , <b>2016</b> , 49, 90-101	3	5
31	Dietary selenium fails to influence cigarette smoke-induced lung tumorigenesis in A/J mice. <i>Cancer Letters</i> , <b>2013</b> , 334, 127-32	9.9	5
30	Dietary supplementation with combined extracts from garlic ( <i>Allium sativum</i> ), brown seaweed ( <i>Undaria pinnatifida</i> ), and pinecone ( <i>Pinus koraiensis</i> ) improves milk production in Holstein cows under heat stress conditions. <i>Asian-Australasian Journal of Animal Sciences</i> , <b>2020</b> , 33, 111-119	2.4	5
29	Duck Oil-loaded Nanoemulsion Inhibits Senescence of Angiotensin II-treated Vascular Smooth Muscle Cells by Upregulating SIRT1. <i>Food Science of Animal Resources</i> , <b>2020</b> , 40, 106-117	3.2	5
28	Selection and Characterization of subsp. WiKim0113 Isolated from Kimchi as a Starter Culture for the Production of Natural Pre-converted Nitrite. <i>Food Science of Animal Resources</i> , <b>2020</b> , 40, 512-526	3.2	5
27	Bhas 42 cell transformation activity of cigarette smoke condensate is modulated by selenium and arsenic. <i>Environmental and Molecular Mutagenesis</i> , <b>2016</b> , 57, 220-8	3.2	5
26	Short communication: Effects of moringa extract on adhesion and invasion of <i>Escherichia coli</i> O55 in bovine mammary epithelial cells. <i>Journal of Dairy Science</i> , <b>2020</b> , 103, 7416-7424	4	4
25	In utero tobacco smoke exposure alters pulmonary responses of newborn rats to ozone. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>2011</b> , 74, 668-77	3.2	4
24	Probiotic Properties of LB5 Isolated from Kimchi Based on Nitrate Reducing Capability. <i>Foods</i> , <b>2020</b> , 9,	4.9	4
23	Comparison of the Probiotic Potential between Isolated from Kimchi and Standard Probiotic Strains Isolated from Different Sources. <i>Foods</i> , <b>2021</b> , 10,	4.9	4
22	Effect of cigarette smoke exposure and mutant Kras overexpression on pancreatic cell proliferation. <i>Oncology Letters</i> , <b>2017</b> , 13, 1939-1943	2.6	3

21	Pulmonary response of mice to a sequential exposure of side-stream cigarette smoke and multi-walled carbon nanotubes. <i>Inhalation Toxicology</i> , <b>2014</b> , 26, 327-32	2.7	3
20	Protective effects of EGCG through Inhibition of NADPH oxidase expression in endothelial cells. <i>Food Science and Biotechnology</i> , <b>2014</b> , 23, 1611-1614	3	3
19	Effects of Multi-Walled Carbon Nanotubes in the Lungs and Aortas of ApoE-Deficient Mice Fed a Normal Diet. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2016</b> , 16, 8019-8024	1.3	3
18	Antioxidant Properties and Diet-Related $\alpha$ -Glucosidase and Lipase Inhibitory Activities of Yogurt Supplemented with Safflower (L.) Petal Extract. <i>Food Science of Animal Resources</i> , <b>2021</b> , 41, 122-134	3.2	3
17	Whey Protein Attenuates Angiotensin II-Primed Premature Senescence of Vascular Smooth Muscle Cells through Upregulation of SIRT1. <i>Korean Journal for Food Science of Animal Resources</i> , <b>2017</b> , 37, 917-925		2
16	Gastric Fluid and Heat Stress Response of <i>Listeria monocytogenes</i> Inoculated on Frankfurters Formulated with 10%, 20%, and 30% Fat Content. <i>Korean Journal for Food Science of Animal Resources</i> , <b>2014</b> , 34, 20-5		2
15	and Study on the Toxic Effects of Propiconazole Fungicide in the Pathogenesis of Liver Fibrosis. <i>Journal of Agricultural and Food Chemistry</i> , <b>2021</b> , 69, 7399-7408	5.7	2
14	Effects of kefir on doxorubicin-induced multidrug resistance in human colorectal cancer cells. <i>Journal of Functional Foods</i> , <b>2021</b> , 78, 104371	5.1	2
13	Aluminum exposure promotes the metastatic proclivity of human colorectal cancer cells through matrix metalloproteinases and the TGF- $\beta$ /Smad signaling pathway. <i>Food and Chemical Toxicology</i> , <b>2020</b> , 141, 111402	4.7	1
12	Comparison of trans-fatty acids on proliferation and migration of vascular smooth muscle cells. <i>Food Science and Biotechnology</i> , <b>2017</b> , 26, 501-505	3	1
11	Comparative effects of nanoemulsions loaded with duck oil and lard oil on palmitate-induced lipotoxicity. <i>Journal of Food Biochemistry</i> , <b>2020</b> , 44, e13117	3.3	1
10	Effects of Flutriafol Fungicide on the Lipid Accumulation in Human Liver Cells and Rat Liver. <i>Foods</i> , <b>2021</b> , 10,	4.9	1
9	Safety assessment of white colony-forming yeasts in kimchi. <i>Food Microbiology</i> , <b>2022</b> , 106, 104057	6	1
8	Tobacco smoke modulates ozone-induced toxicity in rat lungs and central nervous system. <i>Inhalation Toxicology</i> , <b>2013</b> , 25, 21-8	2.7	0
7	Effect of Different Brine Injection Levels on the Drying Characteristics and Physicochemical Properties of Beef Jerky.. <i>Food Science of Animal Resources</i> , <b>2022</b> , 42, 98-110	3.2	0
6	Physicochemical properties and oxidative stability of duck fat-added margarine for reducing the use of fully hydrogenated soybean oil. <i>Food Chemistry</i> , <b>2021</b> , 363, 130260	8.5	0
5	Noni juice-fortified yogurt mitigates dextran sodium sulfate-induced colitis in mice through the modulation of inflammatory cytokines. <i>Journal of Functional Foods</i> , <b>2021</b> , 86, 104652	5.1	0
4	On-Site Deployment of an Air-Liquid-Interphase Device to Assess Health Hazard Potency of Airborne Workplace Contaminants: The Case of 3-D Printers.. <i>Frontiers in Toxicology</i> , <b>2022</b> , 4, 818942	1.6	0

- 3 Quality characteristics of chia seed-added dry sausage for replacement of phosphate. *Food and Life*, **2021**, 2021, 99-105 0.8
- 2 Modification of Oropharyngeal Aspiration Technique for Mouse Using Syringe Pump. *Toxicological Research*, **2007**, 23, 239-244 3.7
- 1 Dietary DHA promotes an anti-oxidant response in mice exposed to environmental pollutants. *FASEB Journal*, **2013**, 27, lb417 0.9