Sung-Gu Han

List of Publications by Year
in descending order

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98 papers	2,574 citations	201385 27 h-index	223531 46 g-index
98 all docs	98 docs citations	98 times ranked	3581 citing authors

#	Article	IF	Citations
1	Effect of Different Brine Injection Levels on the Drying Characteristics and Physicochemical Properties of Beef Jerky. Food Science of Animal Resources, 2022, 42, 98-110.	1.7	6
2	Effects of Chitosan and Duck Fat-Based Emulsion Coatings on the Quality Characteristics of Chicken Meat during Storage. Foods, 2022, 11, 245.	1.9	9
3	Effects of duck fat and Î²-carrageenan as replacements for beef fat and pork backfat in frankfurters. Animal Bioscience, 2022, 35, 927-937.	0.8	5
4	Drying Characteristics and Physicochemical Properties of Semi-Dried Restructured Sausage Depend on Initial Moisture Content. Food Science of Animal Resources, 2022, 42, 411-425.	1.7	6
5	On-Site Deployment of an Air-Liquid-Interphase Device to Assess Health Hazard Potency of Airborne Workplace Contaminants: The Case of 3-D Printers. Frontiers in Toxicology, 2022, 4, 818942.	1.6	2
6	Safety assessment of white colony-forming yeasts in kimchi. Food Microbiology, 2022, 106, 104057.	2.1	4
7	Development of Î²-Cyclodextrin/Konjac-Based Emulsion Gel for a Pork Backfat Substitute in Emulsion-Type Sausage. Gels, 2022, 8, 369.	2.1	7
8	Evaluation of gels formulated with whey proteins and sodium dodecyl sulfate as a fat replacer in low-fat sausage. Food Chemistry, 2021, 337, 127682.	4.2	30
9	In vitro toxicity assessment of crosslinking agents used in hyaluronic acid dermal filler. Toxicology in Vitro, 2021, 70, 105034.	1.1	36
10	Antioxidant Properties and Diet-Related Î±-Glucosidase and Lipase Inhibitory Activities of Yogurt Supplemented with Safflower (Carthamus tinctorius L.) Petal Extract. Food Science of Animal Resources, 2021, 41, 122-134.	1.7	17
11	Effects of kefir on doxorubicin-induced multidrug resistance in human colorectal cancer cells. Journal of Functional Foods, 2021, 78, 104371.	1.6	7
12	Current Issues and Technical Advances in Cultured Meat Production: A Review. Food Science of Animal Resources, 2021, 41, 355-372.	1.7	39
13	Effects of Flutriafol Fungicide on the Lipid Accumulation in Human Liver Cells and Rat Liver. Foods, 2021, 10, 1346.	1.9	6
14	In Vitro and In Vivo Study on the Toxic Effects of Propiconazole Fungicide in the Pathogenesis of Liver Fibrosis. Journal of Agricultural and Food Chemistry, 2021, 69, 7399-7408.	2.4	8
15	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. Journal of Dairy Science, 2021, 104, 7415-7425.	1.4	30
16	Tebuconazole Fungicide Induces Lipid Accumulation and Oxidative Stress in HepG2 Cells. Foods, 2021, 10, 2242.	1.9	8
17	Comparison of the Probiotic Potential between Lactiplantibacillus plantarum Isolated from Kimchi and Standard Probiotic Strains Isolated from Different Sources. Foods, 2021, 10, 2125.	1.9	17
18	Physicochemical properties and oxidative stability of duck fat-added margarine for reducing the use of fully hydrogenated soybean oil. Food Chemistry, 2021, 363, 130260.	4.2	15

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19	Noni juice-fortified yogurt mitigates dextran sodium sulfate-induced colitis in mice through the modulation of inflammatory cytokines. Journal of Functional Foods, 2021, 86, 104652.	1.6	6
20	Quality characteristics of chia seed-added dry sausage for replacement of phosphate. Food and Life, 2021, 2021, 99-105.	0.3	0
21	Toxicity Assessment of a Single Dose of Poly(ethylene glycol) Diglycidyl Ether (PEGDE) Administered Subcutaneously in Mice. Toxics, 2021, 9, 354.	1.6	3
22	Comparative effects of nanoemulsions loaded with duck oil and lard oil on palmitateâ€induced lipotoxicity. Journal of Food Biochemistry, 2020, 44, e13117.	1.2	2
23	Zearalenone Induces Endoplasmic Reticulum Stress and Modulates the Expression of Phase I/II Enzymes in Human Liver Cells. Toxins, 2020, 12, 2.	1.5	24
24	Probiotic Properties of Lactiplantibacillus plantarum LB5 Isolated from Kimchi Based on Nitrate Reducing Capability. Foods, 2020, 9, 1777.	1.9	14
25	Aluminum exposure promotes the metastatic proclivity of human colorectal cancer cells through matrix metalloproteinases and the TGF-Î²/Smad signaling pathway. Food and Chemical Toxicology, 2020, 141, 111402.	1.8	9
26	Short communication: Effects of moringa extract on adhesion and invasion of Escherichia coli O55 in bovine mammary epithelial cells. Journal of Dairy Science, 2020, 103, 7416-7424.	1.4	6
27	Effects of Aluminum on the Integrity of the Intestinal Epithelium: An in Vitro and in Vivo Study. Environmental Health Perspectives, 2020, 128, 17013.	2.8	30
28	Dietary supplementation with combined extracts from garlic (Allium sativum), brown seaweed (Undaria pinnatifida), and pinecone (Pinus koraiensis) improves milk production in Holstein cows under heat stress conditions. Asian-Australasian Journal of Animal Sciences, 2020, 33, 111-119.	2.4	12
29	Bovine mastitis: risk factors, therapeutic strategies, and alternative treatments â€" A review. Asian-Australasian Journal of Animal Sciences, 2020, 33, 1699-1713.	2.4	166
30	Duck Oil-loaded Nanoemulsion Inhibits Senescence of Angiotensin II-treated Vascular Smooth Muscle Cells by Upregulating SIRT1. Food Science of Animal Resources, 2020, 40, 106-117.	1.7	11
31	Selection and Characterization of Staphylococcus hominis subsp. hominis WiKim0113 Isolated from Kimchi as a Starter Culture for the Production of Natural Pre-converted Nitrite. Food Science of Animal Resources, 2020, 40, 512-526.	1.7	8
32	Exploring the Probiotic and Compound Feed Fermentative Applications of Lactobacillus plantarum SK1305 Isolated from Korean Green Chili Pickled Pepper. Probiotics and Antimicrobial Proteins, 2019, 11, 801-812.	1.9	17
33	Moringa Extract Attenuates Inflammatory Responses and Increases Gene Expression of Casein in Bovine Mammary Epithelial Cells. Animals, 2019, 9, 391.	1.0	24
34	Effect of Fermented Medicinal Plants as Dietary Additives on Food Preference and Fecal Microbial Quality in Dogs. Animals, 2019, 9, 690.	1.0	11
35	Short communication: Chia seed extract enhances physiochemical and antioxidant properties of yogurt. Journal of Dairy Science, 2019, 102, 4870-4876.	1.4	58
36	Piperlongumine Induces Cell Cycle Arrest via Reactive Oxygen Species Accumulation and IKKÎ² Suppression in Human Breast Cancer Cells. Antioxidants, 2019, 8, 553.	2.2	34

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37	Roles of microRNAs in mammalian reproduction: from the commitment of germ cells to periâ€implantation embryos. Biological Reviews, 2019, 94, 415-438.	4.7	94
38	Moringa extract enhances the fermentative, textural, and bioactive properties of yogurt. LWT - Food Science and Technology, 2019, 101, 276-284.	2.5	104
39	Effects of konjac gel with vegetable powders as fat replacers in frankfurter-type sausage. Asian-Australasian Journal of Animal Sciences, 2019, 32, 1195-1204.	2.4	25
40	Oxidative Stability and Quality Characteristics of Duck, Chicken, Swine and Bovine Skin Fats Extracted by Pressurized Hot Water Extraction. Food Science of Animal Resources, 2019, 39, 446-458.	1.7	25
41	Technical Functional Properties of Water- and Salt-soluble Proteins Extracted from Edible Insects. Food Science of Animal Resources, 2019, 39, 643-654.	1.7	57
42	Green tea powder supplementation enhances fermentation and antioxidant activity of set-type yogurt. Food Science and Biotechnology, 2018, 27, 1419-1427.	1.2	38
43	Ligand-Activated Peroxisome Proliferator-Activated Receptor Î´ Attenuates Vascular Oxidative Stress by Inhibiting Thrombospondin-1 Expression. Journal of Vascular Research, 2018, 55, 75-86.	0.6	8
44	Activation of PPARÎ´ attenuates neurotoxicity by inhibiting lipopolysaccharideâ€triggered glutamate release in BVâ€2 microglial cells. Journal of Cellular Biochemistry, 2018, 119, 5609-5619.	1.2	6
45	Lutein suppresses hyperglycemia-induced premature senescence of retinal pigment epithelial cells by upregulating SIRT1. Journal of Food Biochemistry, 2018, 42, e12495.	1.2	11
46	Ligand-Dependent Interaction of PPARÎ´ With T-Cell Protein Tyrosine Phosphatase 45 Enhances Insulin Signaling. Diabetes, 2018, 67, 360-371.	0.3	13
47	Piperlongumine decreases cell proliferation and the expression of cell cycle-associated proteins by inhibiting Akt pathway in human lung cancer cells. Food and Chemical Toxicology, 2018, 111, 9-18.	1.8	28
48	Ligandâ€activated interaction of PPARÎ´ with câ€Myc governs the tumorigenicity of breast cancer. International Journal of Cancer, 2018, 143, 2985-2996.	2.3	10
49	Formononetin inhibits lipopolysaccharide-induced release of high mobility group box 1 by upregulating SIRT1 in a PPARÎ´-dependent manner. PeerJ, 2018, 6, e4208.	0.9	21
50	Arsenic downregulates tight junction claudin proteins through p38 and NF-Îºβ in intestinal epithelial cell line, HT-29. Toxicology, 2017, 379, 31-39.	2.0	38
51	Inorganic arsenic inhibits the nucleotide excision repair pathway and reduces the expression of XPC. DNA Repair, 2017, 52, 70-80.	1.3	27
52	Effect of cigarette smoke exposure and mutant Kras overexpression on pancreatic cell proliferation. Oncology Letters, 2017, 13, 1939-1943.	0.8	5
53	Subcritical water-hydrolyzed fish collagen ameliorates survival of endotoxemic mice by inhibiting HMGB1 release in a HO-1-dependent manner. Biomedicine and Pharmacotherapy, 2017, 93, 923-930.	2.5	12
54	Oxidative stress-induced inflammatory responses and effects of N-acetylcysteine in bovine mammary alveolar cells. Journal of Dairy Research, 2017, 84, 418-425.	0.7	25

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55	Comparison of trans-fatty acids on proliferation and migration of vascular smooth muscle cells. Food Science and Biotechnology, 2017, 26, 501-505.	1.2	1
56	Physicochemical Properties of Meat Batter Added with Edible Silkworm Pupae (Bombyx mori) and Transglutaminase. Korean Journal for Food Science of Animal Resources, 2017, 37, 351-359.	1.5	63
57	Effect of Swiss Chard (Beta vulgaris var. cicla) as Nitrite Replacement on Color Stability and Shelf-Life of Cooked Pork Patties during Refrigerated Storage. Korean Journal for Food Science of Animal Resources, 2017, 37, 418-428.	1.5	54
58	ADAMTS1-mediated targeting of TSP-1 by PPARÎ´ suppresses migration and invasion of breast cancer cells. Oncotarget, 2017, 8, 94091-94103.	0.8	14
59	Bee Venom Decreases LPS-Induced Inflammatory Responses in Bovine Mammary Epithelial Cells. Journal of Microbiology and Biotechnology, 2017, 27, 1827-1836.	0.9	22
60	Effect of the Duck Skin on Quality Characteristics of Duck Hams. Korean Journal for Food Science of Animal Resources, 2017, 37, 360-367.	1.5	12
61	Whey Protein Attenuates Angiotensin II-Primed Premature Senescence of Vascular Smooth Muscle Cells through Upregulation of SIRT1. Korean Journal for Food Science of Animal Resources, 2017, 37, 917-925.	1.5	3
62	Exposure of Human Lung Cells to Tobacco Smoke Condensate Inhibits the Nucleotide Excision Repair Pathway. PLoS ONE, 2016, 11, e0158858.	1.1	13
63	Bhas 42 cell transformation activity of cigarette smoke condensate is modulated by selenium and arsenic. Environmental and Molecular Mutagenesis, 2016, 57, 220-228.	0.9	5
64	Characteristics of Chinese chives (Allium tuberosum) fermented by Leuconostoc mesenteroides. Applied Biological Chemistry, 2016, 59, 349-357.	0.7	11
65	Dendritic Cell Immunotherapy Combined with Cytokine-Induced Killer Cells Effectively Suppresses Established Hepatocellular Carcinomas in Mice. Immunological Investigations, 2016, 45, 553-565.	1.0	14
66	Exercise protects against PCB-induced inflammation and associated cardiovascular risk factors. Environmental Science and Pollution Research, 2016, 23, 2201-2211.	2.7	22
67	Tolerogenic dendritic cells show gene expression profiles that are different from those of immunogenic dendritic cells in DBA/1 mice. Autoimmunity, 2016, 49, 90-101.	1.2	7
68	28-Day inhalation toxicity of graphene nanoplatelets in Sprague-Dawley rats. Nanotoxicology, 2016, 10, 891-901.	1.6	83
69	Effects of Multi-Walled Carbon Nanotubes in the Lungs and Aortas of ApoE-Deficient Mice Fed a Normal Diet. Journal of Nanoscience and Nanotechnology, 2016, 16, 8019-8024.	0.9	3
70	Phytoncide Extracted from Pinecone Decreases LPS-Induced Inflammatory Responses in Bovine Mammary Epithelial Cells. Journal of Microbiology and Biotechnology, 2016, 26, 579-587.	0.9	30
71	Pulmonary Responses of Sprague-Dawley Rats in Single Inhalation Exposure to Graphene Oxide Nanomaterials. BioMed Research International, 2015, 2015, 1-9.	0.9	33
72	Pulmonary and Atherogenic Effects of Multi-Walled Carbon Nanotubes (MWCNT) in Apolipoprotein-E-Deficient Mice. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2015, 78, 244-253.	1.1	15

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73	Nanotechnology in Meat Processing and Packaging: Potential Applications â€" A Review. Asian-Australasian Journal of Animal Sciences, 2015, 28, 290-302.	2.4	104
74	5-Day repeated inhalation and 28-day post-exposure study of graphene. Nanotoxicology, 2015, 9, 1023-1031.	1.6	44
75	Mitochondrial and Metabolic Remodeling During Reprogramming and Differentiation of the Reprogrammed Cells. Stem Cells and Development, 2015, 24, 1366-1373.	1.1	49
76	Size-dependent clearance of gold nanoparticles from lungs of Spragueâ€"Dawley rats after short-term inhalation exposure. Archives of Toxicology, 2015, 89, 1083-1094.	1.9	69
77	Pulmonary response of mice to a sequential exposure of side-stream cigarette smoke and multi-walled carbon nanotubes. Inhalation Toxicology, 2014, 26, 327-332.	0.8	3
78	Protective effects of EGCG through Inhibition of NADPH oxidase expression in endothelial cells. Food Science and Biotechnology, 2014, 23, 1611-1614.	1.2	4
79	PCB 77 dechlorination products modulate pro-inflammatory events in vascular endothelial cells. Environmental Science and Pollution Research, 2014, 21, 6354-6364.	2.7	23
80	Green tea diet decreases PCB 126-induced oxidative stress in mice by up-regulating antioxidant enzymes. Journal of Nutritional Biochemistry, 2014, 25, 126-135.	1.9	69
81	PCB 126 toxicity is modulated by cross-talk between caveolae and Nrf2 signaling. Toxicology and Applied Pharmacology, 2014, 277, 192-199.	1.3	25
82	Gastric Fluid and Heat Stress Response of Listeria monocytogenes Inoculated on Frankfurters Formulated with 10%, 20%, and 30% Fat Content. Korean Journal for Food Science of Animal Resources, 2014, 34, 20-25.	1.5	2
83	Dietary selenium fails to influence cigarette smoke-induced lung tumorigenesis in A/J mice. Cancer Letters, 2013, 334, 127-132.	3.2	6
84	Tobacco smoke modulates ozone-induced toxicity in rat lungs and central nervous system. Inhalation Toxicology, 2013, 25, 21-28.	0.8	1
85	Titanium dioxide nanoparticles increase inflammatory responses in vascular endothelial cells. Toxicology, 2013, 306, 1-8.	2.0	77
86	Dietary DHA promotes an antiâ€oxidant response in mice exposed to environmental pollutants. FASEB Journal, 2013, 27, lb417.	0.2	0
87	EGCG protects endothelial cells against PCB 126-induced inflammation through inhibition of AhR and induction of Nrf2-regulated genes. Toxicology and Applied Pharmacology, 2012, 261, 181-188.	1.3	121
88	Atherogenic and pulmonary responses of ApoE- and LDL receptor-deficient mice to sidestream cigarette smoke. Toxicology, 2012, 299, 133-138.	2.0	17
89	In Utero Tobacco Smoke Exposure Alters Pulmonary Responses of Newborn Rats to Ozone. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2011, 74, 668-677.	1.1	4
90	Polychlorinated biphenyl-induced VCAM-1 expression is attenuated in aortic endothelial cells isolated from caveolin-1 deficient mice. Toxicology and Applied Pharmacology, 2010, 246, 74-82.	1.3	33

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91	Enhanced platelet reactivity and thrombosis in Apoe-/- mice exposed to cigarette smoke is attenuated by P2Y12 antagonism. Thrombosis Research, 2010, 126, e312-e317.	0.8	10
92	Acute pulmonary response of mice to multi-wall carbon nanotubes. Inhalation Toxicology, 2010, 22, 340-347.	0.8	69
93	Effect of Dietary Selenium and Cigarette Smoke on Pulmonary Cell Proliferation in Mice. Toxicological Sciences, 2009, 111, 247-253.	1.4	11
94	Acute Pulmonary Effects of Combined Exposure to Carbon Nanotubes and Ozone in Mice. Inhalation Toxicology, 2008, 20, 391-398.	0.8	46
95	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 70âˆ—. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2007, 70, 852-860.	1.1	41
96	Modification of Oropharyngeal Aspiration Technique for Mouse Using Syringe Pump. Toxicological Research, 2007, 23, 239-244.	1.1	0
97	Heat shock protein 70 as an indicator of early lung injury caused by exposure to arsenic. Molecular and Cellular Biochemistry, 2005, 277, 153-164.	1.4	26
98	Correlates of Oxidative Stress and Free-Radical Activity in Serum from Asymptomatic Shipyard Welders. American Journal of Respiratory and Critical Care Medicine, 2005, 172, 1541-1548.	2.5	81