

Sung-Gu Han

List of Publications by Year in descending order

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98
papers

2,574
citations

201385

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docs citations

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times ranked

3581
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Bovine mastitis: risk factors, therapeutic strategies, and alternative treatments – A review. <i>Asian-Australasian Journal of Animal Sciences</i> , 2020, 33, 1699-1713. | 2.4 | 166 |
| 2 | 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> , 2012, 261, 181-188. | 1.3 | 121 |
| 3 | Nanotechnology in Meat Processing and Packaging: Potential Applications – A Review. <i>Asian-Australasian Journal of Animal Sciences</i> , 2015, 28, 290-302. | 2.4 | 104 |
| 4 | Moringa extract enhances the fermentative, textural, and bioactive properties of yogurt. <i>LWT - Food Science and Technology</i> , 2019, 101, 276-284. | 2.5 | 104 |
| 5 | Roles of microRNAs in mammalian reproduction: from the commitment of germ cells to peri-implantation embryos. <i>Biological Reviews</i> , 2019, 94, 415-438. | 4.7 | 94 |
| 6 | 28-Day inhalation toxicity of graphene nanoplatelets in Sprague-Dawley rats. <i>Nanotoxicology</i> , 2016, 10, 891-901. | 1.6 | 83 |
| 7 | Correlates of Oxidative Stress and Free-Radical Activity in Serum from Asymptomatic Shipyard Welders. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005, 172, 1541-1548. | 2.5 | 81 |
| 8 | Titanium dioxide nanoparticles increase inflammatory responses in vascular endothelial cells. <i>Toxicology</i> , 2013, 306, 1-8. | 2.0 | 77 |
| 9 | Acute pulmonary response of mice to multi-wall carbon nanotubes. <i>Inhalation Toxicology</i> , 2010, 22, 340-347. | 0.8 | 69 |
| 10 | Green tea diet decreases PCB 126-induced oxidative stress in mice by up-regulating antioxidant enzymes. <i>Journal of Nutritional Biochemistry</i> , 2014, 25, 126-135. | 1.9 | 69 |
| 11 | Size-dependent clearance of gold nanoparticles from lungs of Sprague-Dawley rats after short-term inhalation exposure. <i>Archives of Toxicology</i> , 2015, 89, 1083-1094. | 1.9 | 69 |
| 12 | Physicochemical Properties of Meat Batter Added with Edible Silkworm Pupae (<i>Bombyx mori</i>) and Transglutaminase. <i>Korean Journal for Food Science of Animal Resources</i> , 2017, 37, 351-359. | 1.5 | 63 |
| 13 | Short communication: Chia seed extract enhances physicochemical and antioxidant properties of yogurt. <i>Journal of Dairy Science</i> , 2019, 102, 4870-4876. | 1.4 | 58 |
| 14 | Technical Functional Properties of Water- and Salt-soluble Proteins Extracted from Edible Insects. <i>Food Science of Animal Resources</i> , 2019, 39, 643-654. | 1.7 | 57 |
| 15 | Effect of Swiss Chard (<i>Beta vulgaris</i> var. <i>cicla</i>) 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> , 2017, 37, 418-428. | 1.5 | 54 |
| 16 | Mitochondrial and Metabolic Remodeling During Reprogramming and Differentiation of the Reprogrammed Cells. <i>Stem Cells and Development</i> , 2015, 24, 1366-1373. | 1.1 | 49 |
| 17 | Acute Pulmonary Effects of Combined Exposure to Carbon Nanotubes and Ozone in Mice. <i>Inhalation Toxicology</i> , 2008, 20, 391-398. | 0.8 | 46 |
| 18 | 5-Day repeated inhalation and 28-day post-exposure study of graphene. <i>Nanotoxicology</i> , 2015, 9, 1023-1031. | 1.6 | 44 |

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|----|--|-----|-----------|
| 19 | 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 ^{âˆ—} , <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2007, 70, 852-860. | 1.1 | 41 |
| 20 | Current Issues and Technical Advances in Cultured Meat Production: A Review. <i>Food Science of Animal Resources</i> , 2021, 41, 355-372. | 1.7 | 39 |
| 21 | Arsenic downregulates tight junction claudin proteins through p38 and NF- κ B in intestinal epithelial cell line, HT-29. <i>Toxicology</i> , 2017, 379, 31-39. | 2.0 | 38 |
| 22 | Green tea powder supplementation enhances fermentation and antioxidant activity of set-type yogurt. <i>Food Science and Biotechnology</i> , 2018, 27, 1419-1427. | 1.2 | 38 |
| 23 | In vitro toxicity assessment of crosslinking agents used in hyaluronic acid dermal filler. <i>Toxicology in Vitro</i> , 2021, 70, 105034. | 1.1 | 36 |
| 24 | Piperlongumine Induces Cell Cycle Arrest via Reactive Oxygen Species Accumulation and IKK β Suppression in Human Breast Cancer Cells. <i>Antioxidants</i> , 2019, 8, 553. | 2.2 | 34 |
| 25 | Polychlorinated biphenyl-induced VCAM-1 expression is attenuated in aortic endothelial cells isolated from caveolin-1 deficient mice. <i>Toxicology and Applied Pharmacology</i> , 2010, 246, 74-82. | 1.3 | 33 |
| 26 | Pulmonary Responses of Sprague-Dawley Rats in Single Inhalation Exposure to Graphene Oxide Nanomaterials. <i>BioMed Research International</i> , 2015, 2015, 1-9. | 0.9 | 33 |
| 27 | Effects of Aluminum on the Integrity of the Intestinal Epithelium: An <i>in Vitro</i> and <i>in Vivo</i> Study. <i>Environmental Health Perspectives</i> , 2020, 128, 17013. | 2.8 | 30 |
| 28 | Evaluation of gels formulated with whey proteins and sodium dodecyl sulfate as a fat replacer in low-fat sausage. <i>Food Chemistry</i> , 2021, 337, 127682. | 4.2 | 30 |
| 29 | 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> , 2021, 104, 7415-7425. | 1.4 | 30 |
| 30 | Phytoncide Extracted from Pinecone Decreases LPS-Induced Inflammatory Responses in Bovine Mammary Epithelial Cells. <i>Journal of Microbiology and Biotechnology</i> , 2016, 26, 579-587. | 0.9 | 30 |
| 31 | 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> , 2018, 111, 9-18. | 1.8 | 28 |
| 32 | Inorganic arsenic inhibits the nucleotide excision repair pathway and reduces the expression of XPC. <i>DNA Repair</i> , 2017, 52, 70-80. | 1.3 | 27 |
| 33 | Heat shock protein 70 as an indicator of early lung injury caused by exposure to arsenic. <i>Molecular and Cellular Biochemistry</i> , 2005, 277, 153-164. | 1.4 | 26 |
| 34 | PCB 126 toxicity is modulated by cross-talk between caveolae and Nrf2 signaling. <i>Toxicology and Applied Pharmacology</i> , 2014, 277, 192-199. | 1.3 | 25 |
| 35 | Oxidative stress-induced inflammatory responses and effects of N-acetylcysteine in bovine mammary alveolar cells. <i>Journal of Dairy Research</i> , 2017, 84, 418-425. | 0.7 | 25 |
| 36 | Effects of konjac gel with vegetable powders as fat replacers in frankfurter-type sausage. <i>Asian-Australasian Journal of Animal Sciences</i> , 2019, 32, 1195-1204. | 2.4 | 25 |

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|----|--|-----|-----------|
| 37 | 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> , 2019, 39, 446-458. | 1.7 | 25 |
| 38 | Moringa Extract Attenuates Inflammatory Responses and Increases Gene Expression of Casein in Bovine Mammary Epithelial Cells. <i>Animals</i> , 2019, 9, 391. | 1.0 | 24 |
| 39 | Zearalenone Induces Endoplasmic Reticulum Stress and Modulates the Expression of Phase I/II Enzymes in Human Liver Cells. <i>Toxins</i> , 2020, 12, 2. | 1.5 | 24 |
| 40 | PCB 77 dechlorination products modulate pro-inflammatory events in vascular endothelial cells. <i>Environmental Science and Pollution Research</i> , 2014, 21, 6354-6364. | 2.7 | 23 |
| 41 | Exercise protects against PCB-induced inflammation and associated cardiovascular risk factors. <i>Environmental Science and Pollution Research</i> , 2016, 23, 2201-2211. | 2.7 | 22 |
| 42 | Bee Venom Decreases LPS-Induced Inflammatory Responses in Bovine Mammary Epithelial Cells. <i>Journal of Microbiology and Biotechnology</i> , 2017, 27, 1827-1836. | 0.9 | 22 |
| 43 | Formononetin inhibits lipopolysaccharide-induced release of high mobility group box 1 by upregulating SIRT1 in a PPAR γ -dependent manner. <i>PeerJ</i> , 2018, 6, e4208. | 0.9 | 21 |
| 44 | Atherogenic and pulmonary responses of ApoE- and LDL receptor-deficient mice to sidestream cigarette smoke. <i>Toxicology</i> , 2012, 299, 133-138. | 2.0 | 17 |
| 45 | 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> , 2019, 11, 801-812. | 1.9 | 17 |
| 46 | Antioxidant Properties and Diet-Related α -Glucosidase and Lipase Inhibitory Activities of Yogurt Supplemented with Safflower (<i>Carthamus tinctorius</i> L.) Petal Extract. <i>Food Science of Animal Resources</i> , 2021, 41, 122-134. | 1.7 | 17 |
| 47 | Comparison of the Probiotic Potential between <i>Lactiplantibacillus plantarum</i> Isolated from Kimchi and Standard Probiotic Strains Isolated from Different Sources. <i>Foods</i> , 2021, 10, 2125. | 1.9 | 17 |
| 48 | 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> , 2015, 78, 244-253. | 1.1 | 15 |
| 49 | Physicochemical properties and oxidative stability of duck fat-added margarine for reducing the use of fully hydrogenated soybean oil. <i>Food Chemistry</i> , 2021, 363, 130260. | 4.2 | 15 |
| 50 | Dendritic Cell Immunotherapy Combined with Cytokine-Induced Killer Cells Effectively Suppresses Established Hepatocellular Carcinomas in Mice. <i>Immunological Investigations</i> , 2016, 45, 553-565. | 1.0 | 14 |
| 51 | Probiotic Properties of <i>Lactiplantibacillus plantarum</i> LB5 Isolated from Kimchi Based on Nitrate Reducing Capability. <i>Foods</i> , 2020, 9, 1777. | 1.9 | 14 |
| 52 | ADAMTS1-mediated targeting of TSP-1 by PPAR γ suppresses migration and invasion of breast cancer cells. <i>Oncotarget</i> , 2017, 8, 94091-94103. | 0.8 | 14 |
| 53 | Exposure of Human Lung Cells to Tobacco Smoke Condensate Inhibits the Nucleotide Excision Repair Pathway. <i>PLoS ONE</i> , 2016, 11, e0158858. | 1.1 | 13 |
| 54 | Ligand-Dependent Interaction of PPAR γ With T-Cell Protein Tyrosine Phosphatase 45 Enhances Insulin Signaling. <i>Diabetes</i> , 2018, 67, 360-371. | 0.3 | 13 |

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|----|--|-----|-----------|
| 55 | 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> , 2017, 93, 923-930. | 2.5 | 12 |
| 56 | 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> , 2020, 33, 111-119. | 2.4 | 12 |
| 57 | Effect of the Duck Skin on Quality Characteristics of Duck Hams. <i>Korean Journal for Food Science of Animal Resources</i> , 2017, 37, 360-367. | 1.5 | 12 |
| 58 | Effect of Dietary Selenium and Cigarette Smoke on Pulmonary Cell Proliferation in Mice. <i>Toxicological Sciences</i> , 2009, 111, 247-253. | 1.4 | 11 |
| 59 | Characteristics of Chinese chives (<i>Allium tuberosum</i>) fermented by <i>Leuconostoc mesenteroides</i> . <i>Applied Biological Chemistry</i> , 2016, 59, 349-357. | 0.7 | 11 |
| 60 | Lutein suppresses hyperglycemia-induced premature senescence of retinal pigment epithelial cells by upregulating SIRT1. <i>Journal of Food Biochemistry</i> , 2018, 42, e12495. | 1.2 | 11 |
| 61 | Effect of Fermented Medicinal Plants as Dietary Additives on Food Preference and Fecal Microbial Quality in Dogs. <i>Animals</i> , 2019, 9, 690. | 1.0 | 11 |
| 62 | Duck Oil-loaded Nanoemulsion Inhibits Senescence of Angiotensin II-treated Vascular Smooth Muscle Cells by Upregulating SIRT1. <i>Food Science of Animal Resources</i> , 2020, 40, 106-117. | 1.7 | 11 |
| 63 | Enhanced platelet reactivity and thrombosis in Apoe ^{-/-} mice exposed to cigarette smoke is attenuated by P2Y ₁₂ antagonism. <i>Thrombosis Research</i> , 2010, 126, e312-e317. | 0.8 | 10 |
| 64 | Ligand-Activated interaction of PPAR γ with c-Myc governs the tumorigenicity of breast cancer. <i>International Journal of Cancer</i> , 2018, 143, 2985-2996. | 2.3 | 10 |
| 65 | Aluminum exposure promotes the metastatic proclivity of human colorectal cancer cells through matrix metalloproteinases and the TGF- β /Smad signaling pathway. <i>Food and Chemical Toxicology</i> , 2020, 141, 111402. | 1.8 | 9 |
| 66 | Effects of Chitosan and Duck Fat-Based Emulsion Coatings on the Quality Characteristics of Chicken Meat during Storage. <i>Foods</i> , 2022, 11, 245. | 1.9 | 9 |
| 67 | Ligand-Activated Peroxisome Proliferator-Activated Receptor γ Attenuates Vascular Oxidative Stress by Inhibiting Thrombospondin-1 Expression. <i>Journal of Vascular Research</i> , 2018, 55, 75-86. | 0.6 | 8 |
| 68 | <i>In Vitro</i> and <i>In Vivo</i> Study on the Toxic Effects of Propiconazole Fungicide in the Pathogenesis of Liver Fibrosis. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 7399-7408. | 2.4 | 8 |
| 69 | Tebuconazole Fungicide Induces Lipid Accumulation and Oxidative Stress in HepG2 Cells. <i>Foods</i> , 2021, 10, 2242. | 1.9 | 8 |
| 70 | Selection and Characterization of <i>Staphylococcus hominis</i> subsp. <i>hominis</i> WIKim0113 Isolated from Kimchi as a Starter Culture for the Production of Natural Pre-converted Nitrite. <i>Food Science of Animal Resources</i> , 2020, 40, 512-526. | 1.7 | 8 |
| 71 | Tolerogenic dendritic cells show gene expression profiles that are different from those of immunogenic dendritic cells in DBA/1 mice. <i>Autoimmunity</i> , 2016, 49, 90-101. | 1.2 | 7 |
| 72 | Effects of kefir on doxorubicin-induced multidrug resistance in human colorectal cancer cells. <i>Journal of Functional Foods</i> , 2021, 78, 104371. | 1.6 | 7 |

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|----|---|-----|-----------|
| 73 | Development of β -Cyclodextrin/Konjac-Based Emulsion Gel for a Pork Backfat Substitute in Emulsion-Type Sausage. <i>Gels</i> , 2022, 8, 369. | 2.1 | 7 |
| 74 | Dietary selenium fails to influence cigarette smoke-induced lung tumorigenesis in A/J mice. <i>Cancer Letters</i> , 2013, 334, 127-132. | 3.2 | 6 |
| 75 | Activation of PPAR γ attenuates neurotoxicity by inhibiting lipopolysaccharide-triggered glutamate release in BV-2 microglial cells. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 5609-5619. | 1.2 | 6 |
| 76 | Short communication: Effects of moringa extract on adhesion and invasion of Escherichia coli O55 in bovine mammary epithelial cells. <i>Journal of Dairy Science</i> , 2020, 103, 7416-7424. | 1.4 | 6 |
| 77 | Effects of Flutriafol Fungicide on the Lipid Accumulation in Human Liver Cells and Rat Liver. <i>Foods</i> , 2021, 10, 1346. | 1.9 | 6 |
| 78 | Noni juice-fortified yogurt mitigates dextran sodium sulfate-induced colitis in mice through the modulation of inflammatory cytokines. <i>Journal of Functional Foods</i> , 2021, 86, 104652. | 1.6 | 6 |
| 79 | Effect of Different Brine Injection Levels on the Drying Characteristics and Physicochemical Properties of Beef Jerky. <i>Food Science of Animal Resources</i> , 2022, 42, 98-110. | 1.7 | 6 |
| 80 | Drying Characteristics and Physicochemical Properties of Semi-Dried Restructured Sausage Depend on Initial Moisture Content. <i>Food Science of Animal Resources</i> , 2022, 42, 411-425. | 1.7 | 6 |
| 81 | Bhas 42 cell transformation activity of cigarette smoke condensate is modulated by selenium and arsenic. <i>Environmental and Molecular Mutagenesis</i> , 2016, 57, 220-228. | 0.9 | 5 |
| 82 | Effect of cigarette smoke exposure and mutant Kras overexpression on pancreatic cell proliferation. <i>Oncology Letters</i> , 2017, 13, 1939-1943. | 0.8 | 5 |
| 83 | Effects of duck fat and λ -carrageenan as replacements for beef fat and pork backfat in frankfurters. <i>Animal Bioscience</i> , 2022, 35, 927-937. | 0.8 | 5 |
| 84 | 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> , 2011, 74, 668-677. | 1.1 | 4 |
| 85 | Protective effects of EGCG through Inhibition of NADPH oxidase expression in endothelial cells. <i>Food Science and Biotechnology</i> , 2014, 23, 1611-1614. | 1.2 | 4 |
| 86 | Safety assessment of white colony-forming yeasts in kimchi. <i>Food Microbiology</i> , 2022, 106, 104057. | 2.1 | 4 |
| 87 | Pulmonary response of mice to a sequential exposure of side-stream cigarette smoke and multi-walled carbon nanotubes. <i>Inhalation Toxicology</i> , 2014, 26, 327-332. | 0.8 | 3 |
| 88 | 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> , 2016, 16, 8019-8024. | 0.9 | 3 |
| 89 | 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> , 2017, 37, 917-925. | 1.5 | 3 |
| 90 | Toxicity Assessment of a Single Dose of Poly(ethylene glycol) Diglycidyl Ether (PEGDE) Administered Subcutaneously in Mice. <i>Toxics</i> , 2021, 9, 354. | 1.6 | 3 |

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|----|---|-----|-----------|
| 91 | Comparative effects of nanoemulsions loaded with duck oil and lard oil on palmitate-induced lipotoxicity. <i>Journal of Food Biochemistry</i> , 2020, 44, e13117. | 1.2 | 2 |
| 92 | 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> , 2014, 34, 20-25. | 1.5 | 2 |
| 93 | 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> , 2022, 4, 818942. | 1.6 | 2 |
| 94 | Tobacco smoke modulates ozone-induced toxicity in rat lungs and central nervous system. <i>Inhalation Toxicology</i> , 2013, 25, 21-28. | 0.8 | 1 |
| 95 | Comparison of trans-fatty acids on proliferation and migration of vascular smooth muscle cells. <i>Food Science and Biotechnology</i> , 2017, 26, 501-505. | 1.2 | 1 |
| 96 | Modification of Oropharyngeal Aspiration Technique for Mouse Using Syringe Pump. <i>Toxicological Research</i> , 2007, 23, 239-244. | 1.1 | 0 |
| 97 | Dietary DHA promotes an anti-oxidant response in mice exposed to environmental pollutants. <i>FASEB Journal</i> , 2013, 27, lb417. | 0.2 | 0 |
| 98 | Quality characteristics of chia seed-added dry sausage for replacement of phosphate. <i>Food and Life</i> , 2021, 2021, 99-105. | 0.3 | 0 |