

# Chang-Ho Kang

## List of Publications by Year in descending order

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62  
papers

2,046  
citations

393982

19  
h-index

253896

43  
g-index

63  
all docs

63  
docs citations

63  
times ranked

2011  
citing authors

#	ARTICLE	IF	CITATIONS
1	Formations of calcium carbonate minerals by bacteria and its multiple applications. SpringerPlus, 2016, 5, 250.	1.2	425
2	Bioremediation of heavy metals by using bacterial mixtures. Ecological Engineering, 2016, 89, 64-69.	1.6	240
3	Bioremediation of lead by ureolytic bacteria isolated from soil at abandoned metal mines in South Korea. Ecological Engineering, 2015, 74, 402-407.	1.6	134
4	Effects of different calcium salts on calcium carbonate crystal formation by <i>Sporosarcina pasteurii</i> KCTC 3558. Biotechnology and Bioprocess Engineering, 2013, 18, 903-908.	1.4	125
5	Bioremediation of Cd by Microbially Induced Calcite Precipitation. Applied Biochemistry and Biotechnology, 2014, 172, 2907-2915.	1.4	73
6	Heavy metal and antibiotic resistance of ureolytic bacteria and their immobilization of heavy metals. Ecological Engineering, 2016, 97, 304-312.	1.6	63
7	Antioxidant and Probiotic Properties of Lactobacilli and Bifidobacteria of Human Origins. Biotechnology and Bioprocess Engineering, 2020, 25, 421-430.	1.4	61
8	Prevalence and antimicrobial susceptibility of <i>Vibrio parahaemolyticus</i> isolated from oysters in Korea. Environmental Science and Pollution Research, 2016, 23, 918-926.	2.7	58
9	Characterization of <i>Vibrio parahaemolyticus</i> isolated from oysters in Korea: Resistance to various antibiotics and prevalence of virulence genes. Marine Pollution Bulletin, 2017, 118, 261-266.	2.3	58
10	Microbially Induced Calcite Precipitation-based Sequestration of Strontium by <i>Sporosarcina pasteurii</i> WJ-2. Applied Biochemistry and Biotechnology, 2014, 174, 2482-2491.	1.4	53
11	Antioxidant activity and short-chain fatty acid production of lactic acid bacteria isolated from Korean individuals and fermented foods. 3 Biotech, 2021, 11, 217.	1.1	47
12	Bioremediation of Cd by Microbially Induced Calcite Precipitation. Applied Biochemistry and Biotechnology, 2014, 172, 1929-1937.	1.4	44
13	Antioxidant Activity and Probiotic Properties of Lactic Acid Bacteria. Fermentation, 2022, 8, 29.	1.4	37
14	Antimicrobial susceptibility of <i>Vibrio alginolyticus</i> isolated from oyster in Korea. Environmental Science and Pollution Research, 2016, 23, 21106-21112.	2.7	35
15	Antibiotic resistance of <i>Vibrio harveyi</i> isolated from seawater in Korea. Marine Pollution Bulletin, 2014, 86, 261-265.	2.3	34
16	In Vitro Probiotic Properties of <i>Lactobacillus salivarius</i> MG242 Isolated from Human Vagina. Probiotics and Antimicrobial Proteins, 2018, 10, 343-349.	1.9	27
17	In vitro probiotic properties of vaginal <i>Lactobacillus fermentum</i> MG901 and <i>Lactobacillus plantarum</i> MC989 against <i>Candida albicans</i> . European Journal of Obstetrics, Gynecology and Reproductive Biology, 2018, 228, 232-237.	0.5	27
18	Antibiotic and heavy-metal resistance of <i>Vibrio parahaemolyticus</i> isolated from oysters in Korea. Marine Pollution Bulletin, 2018, 135, 69-74.	2.3	22

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19	Heat Adaptation Improved Cell Viability of Probiotic <i>Enterococcus faecium</i> HL7 upon Various Environmental Stresses. <i>Probiotics and Antimicrobial Proteins</i> , 2019, 11, 618-626.	1.9	22
20	Evaluating the Cryoprotective Encapsulation of the Lactic Acid Bacteria in Simulated Gastrointestinal Conditions. <i>Biotechnology and Bioprocess Engineering</i> , 2020, 25, 287-292.	1.4	22
21	Effects of Probiotic Culture Supernatant on Cariogenic Biofilm Formation and RANKL-Induced Osteoclastogenesis in RAW 264.7 Macrophages. <i>Molecules</i> , 2021, 26, 733.	1.7	22
22	The Antioxidant, Anti-Diabetic, and Anti-Adipogenesis Potential and Probiotic Properties of Lactic Acid Bacteria Isolated from Human and Fermented Foods. <i>Fermentation</i> , 2021, 7, 123.	1.4	22
23	Lactic Acid Bacteria Exert a Hepatoprotective Effect against Ethanol-Induced Liver Injury in HepG2 Cells. <i>Microorganisms</i> , 2021, 9, 1844.	1.6	21
24	Antioxidant and Anti-Inflammatory Effect and Probiotic Properties of Lactic Acid Bacteria Isolated from Canine and Feline Feces. <i>Microorganisms</i> , 2021, 9, 1971.	1.6	21
25	In Vitro Antidiabetic, Antioxidant Activity, and Probiotic Activities of <i>Lactiplantibacillus plantarum</i> and <i>Lacticaseibacillus paracasei</i> Strains. <i>Current Microbiology</i> , 2021, 78, 3181-3191.	1.0	20
26	Biosequestration of copper by bacteria isolated from an abandoned mine by using microbially induced calcite precipitation. <i>Journal of General and Applied Microbiology</i> , 2016, 62, 206-212.	0.4	18
27	Probiotics Alleviate Oxidative Stress in H <sub>2</sub> O <sub>2</sub> -Exposed Hepatocytes and t-BHP-Induced C57BL/6 Mice. <i>Microorganisms</i> , 2022, 10, 234.	1.6	18
28	Soil Bioconsolidation Through Microbially Induced Calcite Precipitation by <i>Lysinibacillus sphaericus</i> WJ-8. <i>Geomicrobiology Journal</i> , 2016, 33, 473-478.	1.0	17
29	Anti-adipogenic effect of <i>Lactobacillus fermentum</i> MG4231 and MG4244 through AMPK pathway in 3T3-L1 preadipocytes. <i>Food Science and Biotechnology</i> , 2020, 29, 1541-1551.	1.2	17
30	Heat-Killed Lactic Acid Bacteria Inhibit Nitric Oxide Production via Inducible Nitric Oxide Synthase and Cyclooxygenase-2 in RAW 264.7 Cells. <i>Probiotics and Antimicrobial Proteins</i> , 2021, 13, 1530-1538.	1.9	16
31	Antibiotic resistance of <i>Shewanella putrefaciens</i> isolated from shellfish collected from the West Sea in Korea. <i>Marine Pollution Bulletin</i> , 2013, 76, 85-88.	2.3	15
32	Antibiotic and heavy metal resistance in <i>Shewanella putrefaciens</i> strains isolated from shellfishes collected from West Sea, Korea. <i>Marine Pollution Bulletin</i> , 2016, 112, 111-116.	2.3	15
33	Anti-Tumor Effects of Heat-Killed <i>L. reuteri</i> MG5346 and <i>L. casei</i> MG4584 against Human Colorectal Carcinoma through Caspase-9-Dependent Apoptosis in Xenograft Model. <i>Microorganisms</i> , 2022, 10, 533.	1.6	15
34	Biocementation of Concrete Pavements Using Microbially Induced Calcite Precipitation. <i>Journal of Microbiology and Biotechnology</i> , 2017, 27, 1331-1335.	0.9	14
35	In Vivo Confirmation of the Antimicrobial Effect of Probiotic Candidates against <i>Gardnerella vaginalis</i> . <i>Microorganisms</i> , 2021, 9, 1690.	1.6	12
36	<i>Bifidobacterium animalis</i> ssp. <i>lactis</i> MG741 Reduces Body Weight and Ameliorates Nonalcoholic Fatty Liver Disease via Improving the Gut Permeability and Amelioration of Inflammatory Cytokines. <i>Nutrients</i> , 2022, 14, 1965.	1.7	12

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37	Antibacterial Characteristics of Lotus-Type Porous Copper. <i>Advances in Materials Science and Engineering</i> , 2013, 2013, 1-4.	1.0	11
38	Inhibition of Nitric Oxide Production, Oxidative Stress Prevention, and Probiotic Activity of Lactic Acid Bacteria Isolated from the Human Vagina and Fermented Food. <i>Microorganisms</i> , 2019, 7, 109.	1.6	11
39	Anti-obesity Potential of <i>Lactobacillus</i> spp. Isolated from Infant Feces. <i>Biotechnology and Bioprocess Engineering</i> , 2021, 26, 575-585.	1.4	11
40	Heat adaptation improves viability of <i>Lactococcus lactis</i> subsp. <i>lactis</i> HE-1 after heat stress. <i>Food Science and Biotechnology</i> , 2015, 24, 1823-1827.	1.2	10
41	Anti-adipogenic effects of <i>Corni fructus</i> in 3T3-L1 preadipocytes. <i>Biotechnology and Bioprocess Engineering</i> , 2014, 19, 52-57.	1.4	9
42	<i>Lactiplantibacillus plantarum</i> MG4296 and <i>Lactiaseibacillus paracasei</i> MG5012 Ameliorates Insulin Resistance in Palmitic Acid-Induced HepG2 Cells and High Fat Diet-Induced Mice. <i>Microorganisms</i> , 2021, 9, 1139.	1.6	9
43	<i>Lactobacilli</i> Strain Mixture Alleviates Bacterial Vaginosis through Antibacterial and Antagonistic Activity in <i>Gardnerella vaginalis</i> -Infected C57BL/6 Mice. <i>Microorganisms</i> , 2022, 10, 471.	1.6	9
44	Isolation of <i>Lactobacillus</i> strains from shellfish for their potential use as probiotics. <i>Biotechnology and Bioprocess Engineering</i> , 2016, 21, 46-52.	1.4	8
45	Possible Probiotic Lactic Acid Bacteria Isolated from Oysters ( <i>Crassostrea gigas</i> ). <i>Probiotics and Antimicrobial Proteins</i> , 2018, 10, 728-739.	1.9	8
46	Antibacterial Activity and Probiotic Properties of Lactic Acid Bacteria Isolated from Traditional Fermented Foods. <i>KSBB Journal</i> , 2017, 32, 199-205.	0.1	8
47	Improvements in Human Keratinocytes and Antimicrobial Effect Mediated by Cell-Free Supernatants Derived from Probiotics. <i>Fermentation</i> , 2022, 8, 332.	1.4	8
48	Survivability of Collagen-Peptide Microencapsulated Lactic Acid Bacteria during Storage and Simulated Gastrointestinal Conditions. <i>Fermentation</i> , 2021, 7, 177.	1.4	7
49	Expression of the sweet-tasting protein brazzein in <i>Lactobacillus</i> spp.. <i>Food Science and Biotechnology</i> , 2012, 21, 895-898.	1.2	6
50	Effects of <i>Lactobacillus curvatus</i> MG5246 on inflammatory markers in <i>Porphyromonas gingivalis</i> lipopolysaccharide-sensitized human gingival fibroblasts and periodontitis rat model. <i>Food Science and Biotechnology</i> , 2022, 31, 111-120.	1.2	6
51	<i>Limosilactobacillus fermentum</i> MG4295 Improves Hyperglycemia in High-Fat Diet-Induced Mice. <i>Foods</i> , 2022, 11, 231.	1.9	6
52	<i>Lactobacillus gasseri</i> MG4247 and <i>Lactiaseibacillus paracasei</i> MG4272 and MG4577 Modulate Allergic Inflammatory Response in RAW 264.7 and RBL-2H3 cells. <i>Probiotics and Antimicrobial Proteins</i> , 2023, 15, 1092-1101.	1.9	6
53	<i>Chrysanthemum zawadskii</i> var. <i>latilobum</i> extract inhibits the production of nitric oxide and PGE2 through inducible nitric oxide synthase (iNOS) and cyclooxygenase-2(COX-2) in RAW 264. 7 cells. <i>Biotechnology and Bioprocess Engineering</i> , 2013, 18, 501-506.	1.4	4
54	Characterization and Inhibitory Activity of <i>Lactobacillus plantarum</i> MG989 and <i>Lactobacillus fermentum</i> MG901 Isolated from Vaginal Microbiota of Korean Women against <i>Gardnerella vaginalis</i> and <i>Candida albicans</i> . <i>KSBB Journal</i> , 2016, 31, 40-45.	0.1	4

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55	Effect of Pumpkin Powder as Cryoprotectant to Improve the Viability of Freeze Dried Lactic Acid Bacteria. <i>KSBB Journal</i> , 2017, 32, 251-255.	0.1	4
56	Anti-Oxidative and Anti-Inflammatory Activities of <i>Astragalus membranaceus</i> Fermented by <i>Lactiplantibacillus plantarum</i> on LPS-Induced RAW 264.7 Cells. <i>Fermentation</i> , 2021, 7, 252.	1.4	4
57	Impact of inland pollution sources on the bacteriological water quality of the Southern Ganghwa Bay Area, South Korea. <i>Urban Water Journal</i> , 2017, 14, 69-73.	1.0	3
58	Antibacterial Activity and Probiotic Properties of Lactic Acid Bacteria from Korean Intestine Origin. <i>KSBB Journal</i> , 2017, 32, 153-159.	0.1	3
59	Inhibitory Effects of <i>Aralia cordata</i> Thunb Extracts on Nitric Oxide Synthesis in RAW 264.7 Macrophage Cells. <i>Korean Journal of Food Science and Technology</i> , 2012, 44, 621-627.	0.0	3
60	Antioxidant Effect via Bioconversion of Isoflavonoid in <i>Astragalus membranaceus</i> Fermented by <i>Lactiplantibacillus plantarum</i> MG5276 In Vitro and In Vivo. <i>Fermentation</i> , 2022, 8, 34.	1.4	3
61	Probiotic Properties of Bifidobacteria Isolated from Feces of Infants. <i>Journal of Milk Science and Biotechnology</i> , 2019, 37, 40-48.	0.3	1
62	Improved Cell Viability and Anti-Candida Activity of Probiotic <i>Lactobacillus salivarius</i> MG242 by Heat Adaptation. <i>Journal of Milk Science and Biotechnology</i> , 2019, 37, 49-56.	0.3	0