

# Sang-Ryeol Ryu

## List of Publications by Year in descending order

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214  
papers

7,452  
citations

43973

48  
h-index

91712

69  
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218  
all docs

218  
docs citations

218  
times ranked

7657  
citing authors

#	ARTICLE	IF	CITATIONS
1	Combined effect of ultrasound and organic acids to reduce <i>Escherichia coli</i> O157:H7, <i>Salmonella</i> Typhimurium, and <i>Listeria monocytogenes</i> on organic fresh lettuce. <i>International Journal of Food Microbiology</i> , 2011, 145, 287-292.	2.1	272
2	Outer Membrane Proteins A (OmpA) and X (OmpX) Are Essential for Basolateral Invasion of <i>Cronobacter sakazakii</i> . <i>Applied and Environmental Microbiology</i> , 2010, 76, 5188-5198.	1.4	161
3	Characterization and Comparative Genomic Analysis of a Novel Bacteriophage, SFP10, Simultaneously Inhibiting both <i>Salmonella enterica</i> and <i>Escherichia coli</i> O157:H7. <i>Applied and Environmental Microbiology</i> , 2012, 78, 58-69.	1.4	142
4	ppGpp-dependent Stationary Phase Induction of Genes on <i>Salmonella</i> Pathogenicity Island 1. <i>Journal of Biological Chemistry</i> , 2004, 279, 34183-34190.	1.6	129
5	Use of Organic Acids to Inactivate <i>Escherichia coli</i> O157:H7, <i>Salmonella</i> Typhimurium, and <i>Listeria monocytogenes</i> on Organic Fresh Apples and Lettuce. <i>Journal of Food Science</i> , 2011, 76, M293-8.	1.5	127
6	Exceptional Production of both Prodigiosin and Cycloprodigiosin as Major Metabolic Constituents by a Novel Marine Bacterium, <i>Zooshikella rubidus</i> S1-1. <i>Applied and Environmental Microbiology</i> , 2011, 77, 4967-4973.	1.4	107
7	Radio-frequency heating to inactivate <i>Salmonella</i> Typhimurium and <i>Escherichia coli</i> O157:H7 on black and red pepper spice. <i>International Journal of Food Microbiology</i> , 2012, 153, 171-175.	2.1	103
8	Stepwise phosphorylation of p65 promotes NF- $\kappa$ B activation and NK cell responses during target cell recognition. <i>Nature Communications</i> , 2016, 7, 11686.	5.8	101
9	Biocontrol and Rapid Detection of Food-Borne Pathogens Using Bacteriophages and Endolysins. <i>Frontiers in Microbiology</i> , 2016, 7, 474.	1.5	99
10	Characterization of a T5-Like Coliphage, SPC35, and Differential Development of Resistance to SPC35 in <i>Salmonella enterica</i> Serovar Typhimurium and <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2011, 77, 2042-2050.	1.4	98
11	Receptor Diversity and Host Interaction of Bacteriophages Infecting <i>Salmonella enterica</i> Serovar Typhimurium. <i>PLoS ONE</i> , 2012, 7, e43392.	1.1	98
12	Implication of Quorum Sensing in <i>Salmonella enterica</i> Serovar Typhimurium Virulence: the <i>luxS</i> Gene Is Necessary for Expression of Genes in Pathogenicity Island 1. <i>Infection and Immunity</i> , 2007, 75, 4885-4890.	1.0	93
13	Characterization of LysB4, an endolysin from the <i>Bacillus cereus</i> -infecting bacteriophage B4. <i>BMC Microbiology</i> , 2012, 12, 33.	1.3	90
14	Effective inhibition of <i>Salmonella</i> Typhimurium in fresh produce by a phage cocktail targeting multiple host receptors. <i>Food Microbiology</i> , 2019, 77, 52-60.	2.1	87
15	Spontaneous and transient defence against bacteriophage by phase-variable glucosylation of <i>O</i> -antigen in <i>Salmonella enterica</i> serovar <i>Typhimurium</i> . <i>Molecular Microbiology</i> , 2012, 86, 411-425.	1.2	84
16	Lateral flow assay-based bacterial detection using engineered cell wall binding domains of a phage endolysin. <i>Biosensors and Bioelectronics</i> , 2017, 96, 173-177.	5.3	84
17	Prevalence and genetic diversity of <i>Enterobacter sakazakii</i> in ingredients of infant foods. <i>International Journal of Food Microbiology</i> , 2008, 122, 196-203.	2.1	82
18	Screening for novel enzymes from metagenome and SIGEX, as a way to improve it. <i>Microbial Cell Factories</i> , 2005, 4, 8.	1.9	81

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19	Effective removal of staphylococcal biofilms on various food contact surfaces by Staphylococcus aureus phage endolysin LysCSA13. Food Microbiology, 2019, 84, 103245.	2.1	80
20	Prevalence, genetic diversity, and antibiotic resistance patterns of Campylobacter jejuni from retail raw chickens in Korea. International Journal of Food Microbiology, 2007, 114, 50-59.	2.1	77
21	Regulation of Oxidative Stress Response by CosR, an Essential Response Regulator in Campylobacter jejuni. PLoS ONE, 2011, 6, e22300.	1.1	77
22	A suggested new bacteriophage genus: "Viunalikevirus". Archives of Virology, 2012, 157, 2035-2046.	0.9	77
23	Exogenous Lytic Activity of SPN9CC Endolysin Against Gram-Negative Bacteria. Journal of Microbiology and Biotechnology, 2014, 24, 803-811.	0.9	75
24	Bacteriophages BCP1-1 and BCP8-2 require divalent cations for efficient control of Bacillus cereus in fermented foods. Food Microbiology, 2012, 31, 9-16.	2.1	74
25	Effects of Quorum Sensing on <i>flaA</i> Transcription and Autoagglutination in <i>Campylobacter jejuni</i> . Microbiology and Immunology, 2003, 47, 833-839.	0.7	71
26	Anti-Tumoral Effect of the Mitochondrial Target Domain of Noxa Delivered by an Engineered Salmonella typhimurium. PLoS ONE, 2014, 9, e80050.	1.1	71
27	Identification and Characterization of Outer Membrane Vesicle-Associated Proteins in Salmonella enterica Serovar Typhimurium. Infection and Immunity, 2014, 82, 4001-4010.	1.0	70
28	Identification and Characterization of a Novel Flagellum-Dependent Salmonella-Infecting Bacteriophage, iEPS5. Applied and Environmental Microbiology, 2013, 79, 4829-4837.	1.4	68
29	Characterization of a novel endolysin LysSA11 and its utility as a potent biocontrol agent against Staphylococcus aureus on food and utensils. Food Microbiology, 2017, 68, 112-120.	2.1	65
30	Promoter Analysis and Regulatory Characteristics of <i>vvhBA</i> Encoding Cytolytic Hemolysin of <i>Vibrio vulnificus</i> . Journal of Biological Chemistry, 2002, 277, 47292-47299.	1.6	62
31	Characterization of endolysin from a Salmonella Typhimurium-infecting bacteriophage SPN1S. Research in Microbiology, 2012, 163, 233-241.	1.0	62
32	Transcriptional Regulation of the CmeABC Multidrug Efflux Pump and the KatA Catalase by CosR in Campylobacter jejuni. Journal of Bacteriology, 2012, 194, 6883-6891.	1.0	61
33	Characterization of genes required for the pathogenicity of Pectobacterium carotovorum subsp. carotovorum Pcc21 in Chinese cabbage. Microbiology (United Kingdom), 2013, 159, 1487-1496.	0.7	61
34	Inactivation of Escherichia coli O157:H7 and Salmonella Typhimurium in black pepper and red pepper by gamma irradiation. International Journal of Food Microbiology, 2014, 172, 125-129.	2.1	61
35	Effect of Frequency and Waveform on Inactivation of Escherichia coli O157:H7 and Salmonella enterica Serovar Typhimurium in Salsa by Ohmic Heating. Applied and Environmental Microbiology, 2013, 79, 10-17.	1.4	59
36	Characterization and Genomic Study of the Novel Bacteriophage HY01 Infecting Both Escherichia coli O157:H7 and Shigella flexneri: Potential as a Biocontrol Agent in Food. PLoS ONE, 2016, 11, e0168985.	1.1	59

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37	Endolysin LysSA97 is synergistic with carvacrol in controlling <i>Staphylococcus aureus</i> in foods. <i>International Journal of Food Microbiology</i> , 2017, 244, 19-26.	2.1	59
38	Characterization of a New Bacteriocin, Carocin D, from <i>Pectobacterium carotovorum</i> subsp. <i>carotovorum</i> Pcc21. <i>Applied and Environmental Microbiology</i> , 2010, 76, 7541-7549.	1.4	58
39	gly Gene Cloning and Expression and Purification of Glycinecin A, a Bacteriocin Produced by <i>Xanthomonas campestris</i> pv. <i>glycines</i> 8ra. <i>Applied and Environmental Microbiology</i> , 2001, 67, 4105-4110.	1.4	55
40	RstA-Promoted Expression of the Ferrous Iron Transporter FeoB under Iron-Replete Conditions Enhances Fur Activity in <i>Salmonella enterica</i> . <i>Journal of Bacteriology</i> , 2008, 190, 7326-7334.	1.0	55
41	Core Lipopolysaccharide-Specific Phage SSU5 as an Auxiliary Component of a Phage Cocktail for <i>Salmonella</i> Biocontrol. <i>Applied and Environmental Microbiology</i> , 2014, 80, 1026-1034.	1.4	55
42	Combination effect of ozone and heat treatments for the inactivation of <i>Escherichia coli</i> O157:H7, <i>Salmonella</i> Typhimurium, and <i>Listeria monocytogenes</i> in apple juice. <i>International Journal of Food Microbiology</i> , 2014, 171, 147-153.	2.1	54
43	LsrR-Mediated Quorum Sensing Controls Invasiveness of <i>Salmonella typhimurium</i> by Regulating SPI-1 and Flagella Genes. <i>PLoS ONE</i> , 2012, 7, e37059.	1.1	54
44	Purification of Mlc and Analysis of Its Effects on the pts Expression in <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 1999, 274, 25398-25402.	1.6	53
45	Development of an Engineered Bioluminescent Reporter Phage for the Sensitive Detection of Viable <i>Salmonella</i> Typhimurium. <i>Analytical Chemistry</i> , 2014, 86, 5858-5864.	3.2	53
46	Analysis of the Gene Encoding Cyclomaltodextrinase from Alkalophilic <i>Bacillus</i> sp. I-5 and Characterization of Enzymatic Properties. <i>Archives of Biochemistry and Biophysics</i> , 1998, 353, 221-227.	1.4	52
47	Identification of host receptor and receptor-binding module of a newly sequenced T5-like phage EPS7. <i>FEMS Microbiology Letters</i> , 2008, 289, 202-209.	0.7	52
48	Bacteriophage PBC1 and Its Endolysin as an Antimicrobial Agent against <i>Bacillus cereus</i> . <i>Applied and Environmental Microbiology</i> , 2015, 81, 2274-2283.	1.4	52
49	Prevalence of <i>Bacillus cereus</i> bacteriophages in fermented foods and characterization of phage JBP901. <i>Research in Microbiology</i> , 2011, 162, 791-797.	1.0	50
50	Multiplexed Detection of Foodborne Pathogens from Contaminated Lettuces Using a Handheld Multistep Lateral Flow Assay Device. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 290-297.	2.4	50
51	<i>Clostridium perfringens</i> Virulent Bacteriophage CPS2 and Its Thermostable Endolysin LysCPS2. <i>Viruses</i> , 2018, 10, 251.	1.5	50
52	Expression of ptsG Encoding the Major Glucose Transporter Is Regulated by ArcA in <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2004, 279, 38513-38518.	1.6	49
53	Prevalence and Genetic Diversity of <i>Bacillus cereus</i> in Dried Red Pepper in Korea. <i>Journal of Food Protection</i> , 2007, 70, 917-922.	0.8	49
54	Isolation and Genome Characterization of the Virulent <i>Staphylococcus aureus</i> Bacteriophage SA97. <i>Viruses</i> , 2015, 7, 5225-5242.	1.5	49

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55	<i>Salmonella</i> pathogenicity island 2 expression negatively controlled by EIA <sup>Ntr</sup> interaction is required for <i>Salmonella</i> virulence. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 20506-20511.	3.3	48
56	Genetic Ablation of Butyrate Utilization Attenuates Gastrointestinal Salmonella Disease. Cell Host and Microbe, 2018, 23, 266-273.e4.	5.1	48
57	Inactivation of biofilm cells of foodborne pathogen by aerosolized sanitizers. International Journal of Food Microbiology, 2012, 154, 130-134.	2.1	47
58	Inactivation of <i>Salmonella enterica</i> serovar Typhimurium and <i>Escherichia coli</i> O157:H7 in peanut butter cracker sandwiches by radio-frequency heating. Food Microbiology, 2013, 34, 145-150.	2.1	47
59	A novel and highly specific phage endolysin cell wall binding domain for detection of <i>Bacillus cereus</i> . European Biophysics Journal, 2015, 44, 437-446.	1.2	47
60	Preparation and characterization of endolysin-containing liposomes and evaluation of their antimicrobial activities against gram-negative bacteria. Enzyme and Microbial Technology, 2019, 128, 40-48.	1.6	47
61	Development of Multimodal Antibacterial Surfaces Using Porous Amine-Reactive Films Incorporating Lubricant and Silver Nanoparticles. ACS Applied Materials & Interfaces, 2019, 11, 6550-6560.	4.0	46
62	Inhibition of Primary Roots and Stimulation of Lateral Root Development in <i>Arabidopsis thaliana</i> by the Rhizobacterium <i>Serratia marcescens</i> 90-166 Is through Both Auxin-Dependent and -Independent Signaling Pathways. Molecules and Cells, 2010, 29, 251-258.	1.0	45
63	Complete Genome Sequence of <i>Salmonella</i> Bacteriophage SPN3US. Journal of Virology, 2011, 85, 13470-13471.	1.5	45
64	Inactivation of <i>Escherichia coli</i> O157:H7, <i>Salmonella typhimurium</i> and <i>Listeria monocytogenes</i> in apple juice with gaseous ozone. Food Microbiology, 2012, 32, 191-195.	2.1	45
65	Predominance of blaCTX-M-65 and blaCTX-M-55 in extended-spectrum $\beta$ -lactamase-producing <i>Escherichia coli</i> from raw retail chicken in South Korea. Journal of Global Antimicrobial Resistance, 2019, 17, 216-220.	0.9	45
66	Effect of the FruR Regulator on Transcription of the pts Operon in <i>Escherichia coli</i> . Journal of Biological Chemistry, 1995, 270, 2489-2496.	1.6	44
67	Mlc regulation of <i>Salmonella</i> pathogenicity island I gene expression via hilE repression. Nucleic Acids Research, 2007, 35, 1822-1832.	6.5	44
68	<i>hfq</i> Plays Important Roles in Virulence and Stress Adaptation in <i>Cronobacter sakazakii</i> ATCC 29544. Infection and Immunity, 2015, 83, 2089-2098.	1.0	44
69	Sensitive detection of viable <i>Escherichia coli</i> O157:H7 from foods using a luciferase-reporter phage phiV10lux. International Journal of Food Microbiology, 2017, 254, 11-17.	2.1	44
70	Prevalence and Toxigenic Profiles of <i>Bacillus cereus</i> Isolated from Dried Red Peppers, Rice, and Sunsik in Korea. Journal of Food Protection, 2009, 72, 578-582.	0.8	43
71	Glucose repression of the <i>Escherichia coli</i> sdhCDAB operon, revisited: regulation by the CRP-cAMP complex. Nucleic Acids Research, 2005, 33, 6712-6722.	6.5	42
72	Mucosa-Associated Epithelial Chemokine/CCL28 Expression in the Uterus Attracts CCR10+ IgA Plasma Cells following Mucosal Vaccination via Estrogen Control. Journal of Immunology, 2011, 187, 3044-3052.	0.4	41

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73	The Novel Enterococcus Phage vB_EfaS_HEf13 Has Broad Lytic Activity Against Clinical Isolates of Enterococcus faecalis. <i>Frontiers in Microbiology</i> , 2019, 10, 2877.	1.5	41
74	CRP-DNA Complexes: Inducing theA-likeForm in the Binding Sites with an Extended Central Spacer. <i>Journal of Molecular Biology</i> , 1995, 245, 228-240.	2.0	40
75	Inhibitory Effects of Collagen on the PCR for Detection of Clostridium perfringens. <i>Applied and Environmental Microbiology</i> , 2000, 66, 1213-1215.	1.4	40
76	Inactivation of Escherichia coli O157:H7, Salmonella Typhimurium, and Listeria monocytogenes in Orange and Tomato Juice Using Ohmic Heating. <i>Journal of Food Protection</i> , 2011, 74, 899-904.	0.8	40
77	Characterization of an endolysin, LysBPS13, from a Bacillus cereus bacteriophage. <i>FEMS Microbiology Letters</i> , 2012, 332, 76-83.	0.7	39
78	Mutasynthesis of Geldanamycin by the Disruption of a Gene Producing Starter Unit: Generation of Structural Diversity at the Benzoquinone Ring. <i>ChemBioChem</i> , 2007, 8, 1491-1494.	1.3	37
79	Genomic Investigation of Lysogen Formation and Host Lysis Systems of the Salmonella Temperate Bacteriophage SPN9CC. <i>Applied and Environmental Microbiology</i> , 2014, 80, 374-384.	1.4	37
80	Heat Shock RNA Polymerase (E $\sigma$ 32) Is Involved in the Transcription of mlc and Crucial for Induction of the Mlc Regulon by Glucose in Escherichia coli. <i>Journal of Biological Chemistry</i> , 2001, 276, 25871-25875.	1.6	36
81	Plasmid-Encoded MCP Is Involved in Virulence, Motility, and Biofilm Formation of Cronobacter sakazakii ATCC 29544. <i>Infection and Immunity</i> , 2015, 83, 197-204.	1.0	35
82	Comparative Analysis of Aerotolerance, Antibiotic Resistance, and Virulence Gene Prevalence in Campylobacter jejuni Isolates from Retail Raw Chicken and Duck Meat in South Korea. <i>Microorganisms</i> , 2019, 7, 433.	1.6	35
83	Complete Genome Sequence of Bacteriophage SSU5 Specific for Salmonella enterica serovar Typhimurium Rough Strains. <i>Journal of Virology</i> , 2012, 86, 10894-10894.	1.5	34
84	Genomic insights into the virulence and salt tolerance of Staphylococcus equorum. <i>Scientific Reports</i> , 2017, 7, 5383.	1.6	34
85	Promoter Analysis of Cytolethal Distending Toxin Genes ( <i>cdtA</i> , <i>B</i> , and <i>C</i> ) and Effect of a <i>luxS</i> Mutation on CDT Production in <i>Campylobacter jejuni</i> . <i>Microbiology and Immunology</i> , 2005, 49, 599-603.	0.7	33
86	Development of an Improved Selective and Differential Medium for Isolation of Salmonella spp. <i>Journal of Clinical Microbiology</i> , 2012, 50, 3222-3226.	1.8	33
87	Characterization of a novel cell wall binding domain-containing Staphylococcus aureus endolysin LysSA97. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 147-158.	1.7	33
88	Transcriptomic analysis of Staphylococcus aureus under the stress condition of antibacterial erythorbil laurate by RNA sequencing. <i>Food Control</i> , 2019, 96, 1-8.	2.8	33
89	Synergistic effect of steam and lactic acid against Escherichia coli O157:H7, Salmonella Typhimurium, and Listeria monocytogenes biofilms on polyvinyl chloride and stainless steel. <i>International Journal of Food Microbiology</i> , 2012, 157, 218-223.	2.1	32
90	Metagenomic Approach to Identifying Foodborne Pathogens on Chinese Cabbage. <i>Journal of Microbiology and Biotechnology</i> , 2018, 28, 227-235.	0.9	32

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91	Salmonella enterica serovar Typhimurium uses anaerobic respiration to overcome propionate-mediated colonization resistance. Cell Reports, 2022, 38, 110180.	2.9	32
92	Characterization and complete genome sequence of a virulent bacteriophage B4 infecting food-borne pathogenic Bacillus cereus. Archives of Virology, 2013, 158, 2101-2108.	0.9	31
93	Colanic Acid Is a Novel Phage Receptor of Pectobacterium carotovorum subsp. carotovorum Phage POP72. Frontiers in Microbiology, 2019, 10, 143.	1.5	30
94	Expression of <i>STM4467</i> -Encoded Arginine Deiminase Controlled by the <i>STM4463</i> Regulator Contributes to Salmonella enterica Serovar Typhimurium Virulence. Infection and Immunity, 2012, 80, 4291-4297.	1.0	29
95	Development of a Novel Selective and Differential Medium for the Isolation of Listeria monocytogenes. Applied and Environmental Microbiology, 2014, 80, 1020-1025.	1.4	29
96	A Novel Bacteriophage Targeting Cronobacter sakazakii Is a Potential Biocontrol Agent in Foods. Applied and Environmental Microbiology, 2016, 82, 192-201.	1.4	29
97	Weissella jogaejeotgali sp. nov., isolated from jogae jeotgal, a traditional Korean fermented seafood. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 4674-4681.	0.8	29
98	Selective Regulation of ptsG Expression by Fis. Journal of Biological Chemistry, 2003, 278, 14776-14781.	1.6	28
99	Evaluating the Allergic Risk of Genetically Modified Soybean. Yonsei Medical Journal, 2006, 47, 505.	0.9	28
100	Regulation of <i>perR</i> Expression by Iron and PerR in Campylobacter jejuni. Journal of Bacteriology, 2011, 193, 6171-6178.	1.0	28
101	Structural Insights into the FtsQ/FtsB/FtsL Complex, a Key Component of the Divisome. Scientific Reports, 2018, 8, 18061.	1.6	28
102	Characterization and Genome Analysis of Staphylococcus aureus Podovirus CSA13 and Its Anti-Biofilm Capacity. Viruses, 2019, 11, 54.	1.5	28
103	A Comparative Evaluation of Radiation-Induced DNA Damage using Real-Time PCR: Influence of Base Composition. Radiation Research, 2006, 165, 430-437.	0.7	27
104	LysPBC2, a Novel Endolysin Harboring a Bacillus cereus Spore Binding Domain. Applied and Environmental Microbiology, 2019, 85, .	1.4	27
105	Putative type 1 thymidylate synthase and dihydrofolate reductase as signature genes of a novel bastille-like group of phages in the subfamily Spounavirinae. BMC Genomics, 2015, 16, 582.	1.2	26
106	Fine-tuning of amino sugar homeostasis by EIIANtr in Salmonella Typhimurium. Scientific Reports, 2016, 6, 33055.	1.6	26
107	Structural basis for HOCl recognition and regulation mechanisms of HypT, a hypochlorite-specific transcriptional regulator. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3740-3745.	3.3	26
108	Isolation and characterization of bacteriophages specific for <i>Campylobacter jejuni</i> . Microbiology and Immunology, 2009, 53, 559-566.	0.7	25



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109	Full-Genomic Analysis of a Human Norovirus Recombinant GII.12/13 Novel Strain Isolated from South Korea. <i>PLoS ONE</i> , 2013, 8, e85063.	1.1	25
110	The Auxiliary Role of the Amidase Domain in Cell Wall Binding and Exolytic Activity of Staphylococcal Phage Endolysins. <i>Viruses</i> , 2018, 10, 284.	1.5	25
111	Role of the DksA-Like Protein in the Pathogenesis and Diverse Metabolic Activity of <i>Campylobacter jejuni</i> . <i>Journal of Bacteriology</i> , 2008, 190, 4512-4520.	1.0	24
112	Complete Genome Sequence of <i>Bacillus cereus</i> Bacteriophage BCP78. <i>Journal of Virology</i> , 2012, 86, 637-638.	1.5	24
113	Non-selective regulation of peroxide and superoxide resistance genes by PerR in <i>Campylobacter jejuni</i> . <i>Frontiers in Microbiology</i> , 2015, 6, 126.	1.5	24
114	Characterization of mcr-1-Harboring Plasmids from Pan Drug-Resistant <i>Escherichia coli</i> Strains Isolated from Retail Raw Chicken in South Korea. <i>Microorganisms</i> , 2019, 7, 344.	1.6	24
115	Development of a Novel Chimeric Endolysin, Lys109 With Enhanced Lytic Activity Against <i>Staphylococcus aureus</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 615887.	1.5	24
116	High-level recombinant protein production by overexpression of Mlc in <i>Escherichia coli</i> . <i>Journal of Biotechnology</i> , 2005, 119, 197-203.	1.9	23
117	Structure of bacteriophage $\phi$ SPN1 endolysin reveals an unusual two-module fold for the peptidoglycan lytic and binding activity. <i>Molecular Microbiology</i> , 2014, 92, 316-325.	1.2	23
118	Putative Inv Is Essential for Basolateral Invasion of Caco-2 Cells and Acts Synergistically with OmpA To Affect <i>In Vitro</i> and <i>In Vivo</i> Virulence of <i>Cronobacter sakazakii</i> ATCC 29544. <i>Infection and Immunity</i> , 2014, 82, 1755-1765.	1.0	23
119	Mutation of a <i>Staphylococcus aureus</i> temperate bacteriophage to a virulent one and evaluation of its application. <i>Food Microbiology</i> , 2019, 82, 523-532.	2.1	23
120	Antirepression System Associated with the Life Cycle Switch in the Temperate Podoviridae Phage SPC32H. <i>Journal of Virology</i> , 2013, 87, 11775-11786.	1.5	22
121	Enzyme IANtr Regulates <i>Salmonella</i> Invasion Via 1,2-Propanediol And Propionate Catabolism. <i>Scientific Reports</i> , 2017, 7, 44827.	1.6	22
122	Development of an endolysin enzyme and its cell wall-binding domain protein and their applications for biocontrol and rapid detection of <i>Clostridium perfringens</i> in food. <i>Food Chemistry</i> , 2021, 345, 128562.	4.2	22
123	Proteome analysis of <i>Salmonella enterica</i> serovar Typhimurium fismutant. <i>FEMS Microbiology Letters</i> , 2003, 226, 391-396.	0.7	21
124	Detection of <i>Bacillus Cereus</i> Using Bioluminescence Assay with Cell Wall-binding Domain Conjugated Magnetic Nanoparticles. <i>Biochip Journal</i> , 2018, 12, 287-293.	2.5	21
125	Development of Advanced Chimeric Endolysin to Control Multidrug-Resistant <i>Staphylococcus aureus</i> through Domain Shuffling. <i>ACS Infectious Diseases</i> , 2021, 7, 2081-2092.	1.8	21
126	Complete Genome Sequence of <i>Bacillus cereus</i> Bacteriophage PBC1. <i>Journal of Virology</i> , 2012, 86, 6379-6380.	1.5	20



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127	Metagenomic analysis of isolation methods of a targeted microbe, <i>Campylobacter jejuni</i> , from chicken feces with high microbial contamination. <i>Microbiome</i> , 2019, 7, 67.	4.9	20
128	An Antibacterial Nanorobotic Approach for the Specific Targeting and Removal of Multiple Drug-Resistant <i>Staphylococcus aureus</i> . <i>Small</i> , 2021, 17, e2100257.	5.2	20
129	Development of new strategy combining heat treatment and phage cocktail for post-contamination prevention. <i>Food Research International</i> , 2021, 145, 110415.	2.9	20
130	Roles of the superoxide dismutase SodB and the catalase KatA in the antibiotic resistance of <i>Campylobacter jejuni</i> . <i>Journal of Antibiotics</i> , 2013, 66, 351-353.	1.0	19
131	Norovirus Contamination Levels in Ground Water Treatment Systems Used for Food-Catering Facilities in South Korea. <i>Viruses</i> , 2013, 5, 1646-1654.	1.5	19
132	Characterization and comparative genomic analysis of bacteriophages infecting members of the <i>Bacillus cereus</i> group. <i>Archives of Virology</i> , 2014, 159, 871-884.	0.9	19
133	Complete genome sequence of <i>Staphylococcus equorum</i> KS1039 isolated from Saeu-jeotgal, Korean high-salt-fermented seafood. <i>Journal of Biotechnology</i> , 2016, 219, 88-89.	1.9	19
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