Sang-Ryeol Ryu

List of Publications by Citations

209 papers	5,375 citations	41 h-index	58 g-index
218 ext. papers	6,478 ext. citations	5.1 avg, IF	5.96 L-index

#	Paper	IF	Citations
209	Combined effect of ultrasound and organic acids to reduce Escherichia coli O157:H7, Salmonella Typhimurium, and Listeria monocytogenes on organic fresh lettuce. *International Journal of Food Microbiology*, **2011**, 145, 287-92	5.8	224
208	Outer membrane proteins A (OmpA) and X (OmpX) are essential for basolateral invasion of Cronobacter sakazakii. *Applied and Environmental Microbiology*, **2010**, 76, 5188-98	4.8	112
207	Characterization and comparative genomic analysis of a novel bacteriophage, SFP10, simultaneously inhibiting both Salmonella enterica and Escherichia coli O157:H7. *Applied and Environmental Microbiology*, **2012**, 78, 58-69	4.8	110
206	ppGpp-dependent stationary phase induction of genes on Salmonella pathogenicity island 1. *Journal of Biological Chemistry*, **2004**, 279, 34183-90	5.4	106
205	Use of organic acids to inactivate Escherichia coli O157:H7, Salmonella Typhimurium, and Listeria monocytogenes on organic fresh apples and lettuce. *Journal of Food Science*, **2011**, 76, M293-8	3.4	102
204	Radio-frequency heating to inactivate Salmonella Typhimurium and Escherichia coli O157:H7 on black and red pepper spice. *International Journal of Food Microbiology*, **2012**, 153, 171-5	5.8	85
203	Exceptional production of both prodigiosin and cycloprodigiosin as major metabolic constituents by a novel marine bacterium, Zooshikella rubidus S1-1. *Applied and Environmental Microbiology*, **2011**, 77, 4967-73	4.8	85
202	Biocontrol and Rapid Detection of Food-Borne Pathogens Using Bacteriophages and Endolysins. *Frontiers in Microbiology*, **2016**, 7, 474	5.7	78
201	Implication of quorum sensing in Salmonella enterica serovar typhimurium virulence: the luxS gene is necessary for expression of genes in pathogenicity island 1. *Infection and Immunity*, **2007**, 75, 4885-90	3.7	77
200	Characterization of LysB4, an endolysin from the Bacillus cereus-infecting bacteriophage B4. *BMC Microbiology*, **2012**, 12, 33	4.5	72
199	Characterization of a T5-like coliphage, SPC35, and differential development of resistance to SPC35 in Salmonella enterica serovar typhimurium and Escherichia coli. *Applied and Environmental Microbiology*, **2011**, 77, 2042-50	4.8	72
198	Receptor diversity and host interaction of bacteriophages infecting Salmonella enterica serovar Typhimurium. *PLoS ONE*, **2012**, 7, e43392	3.7	72
197	Stepwise phosphorylation of p65 promotes NF-B activation and NK cell responses during target cell recognition. *Nature Communications*, **2016**, 7, 11686	17.4	72
196	Lateral flow assay-based bacterial detection using engineered cell wall binding domains of a phage endolysin. *Biosensors and Bioelectronics*, **2017**, 96, 173-177	11.8	63
195	Regulation of oxidative stress response by CosR, an essential response regulator in Campylobacter jejuni. *PLoS ONE*, **2011**, 6, e22300	3.7	63
194	Screening for novel enzymes from metagenome and SIGEX, as a way to improve it. *Microbial Cell Factories*, **2005**, 4, 8	6.4	63
193	A suggested new bacteriophage genus: "Viunalikevirus". *Archives of Virology*, **2012**, 157, 2035-46	2.6	62

192	Spontaneous and transient defence against bacteriophage by phase-variable glucosylation of O-antigen in Salmonella enterica serovar Typhimurium. *Molecular Microbiology*, **2012**, 86, 411-25	4.1	61
191	Prevalence and genetic diversity of Enterobacter sakazakii in ingredients of infant foods. *International Journal of Food Microbiology*, **2008**, 122, 196-203	5.8	61
190	Prevalence, genetic diversity, and antibiotic resistance patterns of Campylobacter jejuni from retail raw chickens in Korea. *International Journal of Food Microbiology*, **2007**, 114, 50-9	5.8	61
189	Effects of quorum sensing on flaA transcription and autoagglutination in Campylobacter jejuni. *Microbiology and Immunology*, **2003**, 47, 833-9	2.7	60
188	Exogenous lytic activity of SPN9CC endolysin against gram-negative bacteria. *Journal of Microbiology and Biotechnology*, **2014**, 24, 803-11	3.3	57
187	Anti-tumoral effect of the mitochondrial target domain of Noxa delivered by an engineered Salmonella typhimurium. *PLoS ONE*, **2014**, 9, e80050	3.7	54
186	Effective removal of staphylococcal biofilms on various food contact surfaces by Staphylococcus aureus phage endolysin LysCSA13. *Food Microbiology*, **2019**, 84, 103245	6	53
185	Bacteriophages BCP1-1 and BCP8-2 require divalent cations for efficient control of Bacillus cereus in fermented foods. *Food Microbiology*, **2012**, 31, 9-16	6	53
184	Characterization of endolysin from a Salmonella Typhimurium-infecting bacteriophage SPN1S. *Research in Microbiology*, **2012**, 163, 233-41	4	52
183	Promoter analysis and regulatory characteristics of vvhBA encoding cytolytic hemolysin of Vibrio vulnificus. *Journal of Biological Chemistry*, **2002**, 277, 47292-9	5.4	52
182	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, 125-9	5.8	49
181	gly gene cloning and expression and purification of glycinecin A, a bacteriocin produced by Xanthomonas campestris pv. glycines 8ra. *Applied and Environmental Microbiology*, **2001**, 67, 4105-10	4.8	49
180	Purification of Mlc and analysis of its effects on the pts expression in Escherichia coli. *Journal of Biological Chemistry*, **1999**, 274, 25398-402	5.4	49
179	Identification and characterization of a novel flagellum-dependent Salmonella-infecting bacteriophage, iEPS5. *Applied and Environmental Microbiology*, **2013**, 79, 4829-37	4.8	48
178	Transcriptional regulation of the CmeABC multidrug efflux pump and the KatA catalase by CosR in Campylobacter jejuni. *Journal of Bacteriology*, **2012**, 194, 6883-91	3.5	48
177	Analysis of the gene encoding cyclomaltodextrinase from alkalophilic Bacillus sp. I-5 and characterization of enzymatic properties. *Archives of Biochemistry and Biophysics*, **1998**, 353, 221-7	4.1	48
176	Identification and characterization of outer membrane vesicle-associated proteins in Salmonella enterica serovar Typhimurium. *Infection and Immunity*, **2014**, 82, 4001-10	3.7	47
175	Expression of ptsG encoding the major glucose transporter is regulated by ArcA in Escherichia coli. *Journal of Biological Chemistry*, **2004**, 279, 38513-8	5.4	46

174	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, 10-7	4.8	45
173	Effective inhibition of Salmonella Typhimurium in fresh produce by a phage cocktail targeting multiple host receptors. *Food Microbiology*, **2019**, 77, 52-60	6	45
172	Characterization of genes required for the pathogenicity of Pectobacterium carotovorum subsp. carotovorum Pcc21 in Chinese cabbage. *Microbiology (United Kingdom)*, **2013**, 159, 1487-1496	2.9	44
171	Prevalence and genetic diversity of Bacillus cereus in dried red pepper in Korea. *Journal of Food Protection*, **2007**, 70, 917-22	2.5	43
170	Combination effect of ozone and heat treatments for the inactivation of Escherichia coli O157:H7, Salmonella Typhimurium, and Listeria monocytogenes in apple juice. *International Journal of Food Microbiology*, **2014**, 171, 147-53	5.8	42
169	Salmonella pathogenicity island 2 expression negatively controlled by EIIANtr-SsrB interaction is required for Salmonella virulence. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 20506-11	11.5	42
168	Endolysin LysSA97 is synergistic with carvacrol in controlling Staphylococcus aureus in foods. *International Journal of Food Microbiology*, **2017**, 244, 19-26	5.8	41
167	LsrR-mediated quorum sensing controls invasiveness of Salmonella typhimurium by regulating SPI-1 and flagella genes. *PLoS ONE*, **2012**, 7, e37059	3.7	41
166	Bacteriophage PBC1 and its endolysin as an antimicrobial agent against Bacillus cereus. *Applied and Environmental Microbiology*, **2015**, 81, 2274-83	4.8	40
165	Inhibitory effects of collagen on the PCR for detection of Clostridium perfringens. *Applied and Environmental Microbiology*, **2000**, 66, 1213-5	4.8	40
164	Core lipopolysaccharide-specific phage SSU5 as an Auxiliary Component of a Phage Cocktail for Salmonella biocontrol. *Applied and Environmental Microbiology*, **2014**, 80, 1026-34	4.8	39
163	Development of an engineered bioluminescent reporter phage for the sensitive detection of viable Salmonella typhimurium. *Analytical Chemistry*, **2014**, 86, 5858-64	7.8	39
162	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	6	39
161	Inactivation of Escherichia coli O157:H7, Salmonella typhimurium and Listeria monocytogenes in apple juice with gaseous ozone. *Food Microbiology*, **2012**, 32, 191-5	6	39
160	Mlc regulation of Salmonella pathogenicity island I gene expression via hilE repression. *Nucleic Acids Research*, **2007**, 35, 1822-32	20.1	39
159	CRP-DNA complexes: inducing the A-like form in the binding sites with an extended central spacer. *Journal of Molecular Biology*, **1995**, 245, 228-40	6.5	39
158	A novel and highly specific phage endolysin cell wall binding domain for detection of Bacillus cereus. *European Biophysics Journal*, **2015**, 44, 437-46	1.9	38
157	RstA-promoted expression of the ferrous iron transporter FeoB under iron-replete conditions enhances Fur activity in Salmonella enterica. *Journal of Bacteriology*, **2008**, 190, 7326-34	3.5	38

156	Effect of the FruR regulator on transcription of the pts operon in Escherichia coli. *Journal of Biological Chemistry*, **1995**, 270, 2489-96	5.4	38
155	Characterization of an endolysin, LysBPS13, from a Bacillus cereus bacteriophage. *FEMS Microbiology Letters*, **2012**, 332, 76-83	2.9	36
154	Inactivation of Salmonella enterica serovar Typhimurium and Escherichia coli O157:H7 in peanut butter cracker sandwiches by radio-frequency heating. *Food Microbiology*, **2013**, 34, 145-50	6	36
153	Inactivation of biofilm cells of foodborne pathogen by aerosolized sanitizers. *International Journal of Food Microbiology*, **2012**, 154, 130-4	5.8	36
152	Prevalence of Bacillus cereus bacteriophages in fermented foods and characterization of phage JBP901. *Research in Microbiology*, **2011**, 162, 791-7	4	36
151	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, 3044-52	5.3	36
150	Mutasynthesis of geldanamycin by the disruption of a gene producing starter unit: generation of structural diversity at the benzoquinone ring. *ChemBioChem*, **2007**, 8, 1491-4	3.8	36
149	Isolation and Genome Characterization of the Virulent Staphylococcus aureus Bacteriophage SA97. *Viruses*, **2015**, 7, 5225-42	6.2	35
148	Prevalence and toxigenic profiles of Bacillus cereus isolated from dried red peppers, rice, and Sunsik in Korea. *Journal of Food Protection*, **2009**, 72, 578-82	2.5	35
147	Identification of host receptor and receptor-binding module of a newly sequenced T5-like phage EPS7. *FEMS Microbiology Letters*, **2008**, 289, 202-9	2.9	35
146	Inactivation of Escherichia coli O157:H7, Salmonella Typhimurium, and Listeria monocytogenes in orange and tomato juice using ohmic heating. *Journal of Food Protection*, **2011**, 74, 899-904	2.5	34
145	Characterization of a new bacteriocin, Carocin D, from Pectobacterium carotovorum subsp. carotovorum Pcc21. *Applied and Environmental Microbiology*, **2010**, 76, 7541-9	4.8	34
144	Inhibition of primary roots and stimulation of lateral root development in Arabidopsis thaliana by the rhizobacterium Serratia marcescens 90-166 is through both auxin-dependent and -independent signaling pathways. *Molecules and Cells*, **2010**, 29, 251-8	3.5	33
143	Glucose repression of the Escherichia coli sdhCDAB operon, revisited: regulation by the CRP*cAMP complex. *Nucleic Acids Research*, **2005**, 33, 6712-22	20.1	33
142	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	3.7	33
141	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. *Journal of Biological Chemistry*, **2001**, 276, 25871-5	5.4	32
140	Multiplexed Detection of Foodborne Pathogens from Contaminated Lettuces Using a Handheld Multistep Lateral Flow Assay Device. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 290-297	5.7	31
139	Complete genome sequence of Salmonella bacteriophage SPN3US. *Journal of Virology*, **2011**, 85, 13470-1	6.6	29

138	Promoter analysis of cytolethal distending toxin genes (cdtA , B, and C) and effect of a luxS mutation on CDT production in Campylobacter jejuni. *Microbiology and Immunology*, **2005**, 49, 599-603	2.7	28
137	Sensitive detection of viable Escherichia coli O157:H7 from foods using a luciferase-reporter phage phiV10lux. *International Journal of Food Microbiology*, **2017**, 254, 11-17	5.8	27
136	Hfq plays important roles in virulence and stress adaptation in Cronobacter sakazakii ATCC 29544. *Infection and Immunity*, **2015**, 83, 2089-98	3.7	27
135	Genetic Ablation of Butyrate Utilization Attenuates Gastrointestinal Salmonella Disease. *Cell Host and Microbe*, **2018**, 23, 266-273.e4	23.4	27
134	Complete genome sequence of bacteriophage SSU5 specific for Salmonella enterica serovar Typhimurium rough strains. *Journal of Virology*, **2012**, 86, 10894	6.6	27
133	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	3.8	26
132	Evaluating the allergic risk of genetically modified soybean. *Yonsei Medical Journal*, **2006**, 47, 505-12	3	26
131	Predominance of bla and bla in extended-spectrum □lactamase-producing Escherichia coli from raw retail chicken in South Korea. *Journal of Global Antimicrobial Resistance*, **2019**, 17, 216-220	3.4	25
130	Synergistic effect of steam and lactic acid against Escherichia coli O157:H7, Salmonella Typhimurium, and Listeria monocytogenes biofilms on polyvinyl chloride and stainless steel. *International Journal of Food Microbiology*, **2012**, 157, 218-23	5.8	25
129	Isolation and characterization of bacteriophages specific for Campylobacter jejuni. *Microbiology and Immunology*, **2009**, 53, 559-66	2.7	25
128	Development of an improved selective and differential medium for isolation of Salmonella spp. *Journal of Clinical Microbiology*, **2012**, 50, 3222-6	9.7	25
127	Selective regulation of ptsG expression by Fis. Formation of either activating or repressing nucleoprotein complex in response to glucose. *Journal of Biological Chemistry*, **2003**, 278, 14776-81	5.4	25
126	Development of Multimodal Antibacterial Surfaces Using Porous Amine-Reactive Films Incorporating Lubricant and Silver Nanoparticles. *ACS Applied Materials & Interfaces*, **2019**, 11, 6550-6560	9.5	25
125	Regulation of perR expression by iron and PerR in Campylobacter jejuni. *Journal of Bacteriology*, **2011**, 193, 6171-8	3.5	24
124	Role of the DksA-like protein in the pathogenesis and diverse metabolic activity of Campylobacter jejuni. *Journal of Bacteriology*, **2008**, 190, 4512-20	3.5	24
123	Genomic investigation of lysogen formation and host lysis systems of the Salmonella temperate bacteriophage SPN9CC. *Applied and Environmental Microbiology*, **2014**, 80, 374-84	4.8	23
122	Complete genome sequence of Bacillus cereus bacteriophage BCP78. *Journal of Virology*, **2012**, 86, 637-8	6.6	23
121	A comparative evaluation of radiation-induced DNA damage using real-time PCR: influence of base composition. *Radiation Research*, **2006**, 165, 430-7	3.1	23

120	Plasmid-encoded MCP is involved in virulence, motility, and biofilm formation of Cronobacter sakazakii ATCC 29544. *Infection and Immunity*, **2015**, 83, 197-204	3.7	22
119	A Novel Bacteriophage Targeting Cronobacter sakazakii Is a Potential Biocontrol Agent in Foods. *Applied and Environmental Microbiology*, **2016**, 82, 192-201	4.8	22
118	Development of a novel selective and differential medium for the isolation of Listeria monocytogenes. *Applied and Environmental Microbiology*, **2014**, 80, 1020-5	4.8	22
117	Characterization and complete genome sequence of a virulent bacteriophage B4 infecting food-borne pathogenic Bacillus cereus. *Archives of Virology*, **2013**, 158, 2101-8	2.6	22
116	Characterization of a novel cell wall binding domain-containing Staphylococcus aureus endolysin LysSA97. *Applied Microbiology and Biotechnology*, **2017**, 101, 147-158	5.7	22
115	Clostridium perfringens Virulent Bacteriophage CPS2 and Its Thermostable Endolysin LysCPS2. *Viruses*, **2018**, 10,	6.2	21
114	Full-genomic analysis of a human norovirus recombinant GII.12/13 novel strain isolated from South Korea. *PLoS ONE*, **2013**, 8, e85063	3.7	21
113	High-level recombinant protein production by overexpression of Mlc in Escherichia coli. *Journal of Biotechnology*, **2005**, 119, 197-203	3.7	21
112	Expression of STM4467-encoded arginine deiminase controlled by the STM4463 regulator contributes to Salmonella enterica serovar Typhimurium virulence. *Infection and Immunity*, **2012**, 80, 4291-7	3.7	20
111	Proteome analysis of Salmonella enterica serovar Typhimurium fis mutant. *FEMS Microbiology Letters*, **2003**, 226, 391-6	2.9	20
110	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	4.5	19
109	The Novel Phage vB_EfaS_HEf13 Has Broad Lytic Activity Against Clinical Isolates of. *Frontiers in Microbiology*, **2019**, 10, 2877	5.7	19
108	Fine-tuning of amino sugar homeostasis by EIIA(Ntr) in Salmonella Typhimurium. *Scientific Reports*, **2016**, 6, 33055	4.9	18
107	Putative Inv is essential for basolateral invasion of Caco-2 cells and acts synergistically with OmpA to affect in vitro and in vivo virulence of Cronobacter sakazakii ATCC 29544. *Infection and Immunity*, **2014**, 82, 1755-65	3.7	18
106	Fis is required for proper regulation of ssaG expression in Salmonella enterica serovar Typhimurium. *Microbial Pathogenesis*, **2006**, 41, 33-42	3.8	18
105	Structure of bacteriophage SPN1S endolysin reveals an unusual two-module fold for the peptidoglycan lytic and binding activity. *Molecular Microbiology*, **2014**, 92, 316-25	4.1	17
104	Metagenomic Approach to Identifying Foodborne Pathogens on Chinese Cabbage. *Journal of Microbiology and Biotechnology*, **2018**, 28, 227-235	3.3	17
103	Detection of Bacillus Cereus Using Bioluminescence Assay with Cell Wall-binding Domain Conjugated Magnetic Nanoparticles. *Biochip Journal*, **2018**, 12, 287-293	4	17

102	Non-selective regulation of peroxide and superoxide resistance genes by PerR in Campylobacter jejuni. *Frontiers in Microbiology*, **2015**, 6, 126	5.7	16
101	Transcriptomic analysis of Staphylococcus aureus under the stress condition of antibacterial erythorbyl laurate by RNA sequencing. *Food Control*, **2019**, 96, 1-8	6.2	16
100	Complete genome sequence analysis of bacterial-flagellum-targeting bacteriophage chi. *Archives of Virology*, **2013**, 158, 2179-83	2.6	16
99	Genomic insights into the virulence and salt tolerance of Staphylococcus equorum. *Scientific Reports*, **2017**, 7, 5383	4.9	16
98	Norovirus contamination levels in ground water treatment systems used for food-catering facilities in South Korea. *Viruses*, **2013**, 5, 1646-54	6.2	16
97	Antirepression system associated with the life cycle switch in the temperate podoviridae phage SPC32H. *Journal of Virology*, **2013**, 87, 11775-86	6.6	16
96	Complete genome sequence of Bacillus cereus bacteriophage PBC1. *Journal of Virology*, **2012**, 86, 6379-80	6.6	16
95	Weissella jogaejeotgali sp. nov., isolated from jogae jeotgal, a traditional Korean fermented seafood. *International Journal of Systematic and Evolutionary Microbiology*, **2015**, 65, 4674-4681	2.2	16
94	Characterization of -Harboring Plasmids from Pan Drug-Resistant Strains Isolated from Retail Raw Chicken in South Korea. *Microorganisms*, **2019**, 7,	4.9	15
93	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	11.5	15
92	Characterization and Genome Analysis of Podovirus CSA13 and Its Anti-Biofilm Capacity. *Viruses*, **2019**, 11,	6.2	15
91	The Auxiliary Role of the Amidase Domain in Cell Wall Binding and Exolytic Activity of Staphylococcal Phage Endolysins. *Viruses*, **2018**, 10,	6.2	14
90	LysPBC2, a Novel Endolysin Harboring a Bacillus cereus Spore Binding Domain. *Applied and Environmental Microbiology*, **2019**, 85,	4.8	14
89	Characterization and genome analysis of novel bacteriophages infecting the opportunistic human pathogens Klebsiella oxytoca and K. pneumoniae. *Archives of Virology*, **2017**, 162, 1129-1139	2.6	13
88	NK cell function triggered by multiple activating receptors is negatively regulated by glycogen synthase kinase-3 *Cellular Signalling*, **2015**, 27, 1731-41	4.9	13
87	Characterization and comparative genomic analysis of bacteriophages infecting members of the Bacillus cereus group. *Archives of Virology*, **2014**, 159, 871-84	2.6	13
86	Characterization of LysPBC4, a novel Bacillus cereus-specific endolysin of bacteriophage PBC4. *FEMS Microbiology Letters*, **2016**, 363,	2.9	13
85	Complete genome sequence of Staphylococcus equorum KS1039 isolated from Saeu-jeotgal, Korean high-salt-fermented seafood. *Journal of Biotechnology*, **2016**, 219, 88-9	3.7	12

84	Structural Basis for Cell-Wall Recognition by Bacteriophage PBC5 Endolysin. *Structure*, **2019**, 27, 1355-1365.e4	5.7	12
83	Roles of the superoxide dismutase SodB and the catalase KatA in the antibiotic resistance of Campylobacter jejuni. *Journal of Antibiotics*, **2013**, 66, 351-3	3.7	12
82	Comparison of bactericidal efficiency of 7.5 MeV X-rays, gamma-rays, and 10 MeV e-beams. *Radiation Physics and Chemistry*, **2016**, 125, 106-108	2.5	12
81	Structural Insights into the FtsQ/FtsB/FtsL Complex, a Key Component of the Divisome. *Scientific Reports*, **2018**, 8, 18061	4.9	12
80	Enzyme IIA Regulates Salmonella Invasion Via 1,2-Propanediol And Propionate Catabolism. *Scientific Reports*, **2017**, 7, 44827	4.9	11
79	Mutation of a Staphylococcus aureus temperate bacteriophage to a virulent one and evaluation of its application. *Food Microbiology*, **2019**, 82, 523-532	6	11
78	Characterization and complete genome sequence analysis of Staphylococcus aureus bacteriophage SA12. *Virus Genes*, **2013**, 47, 389-93	2.3	11
77	Possible roles of LysR-type transcriptional regulator (LTTR) homolog as a global regulator in Cronobacter sakazakii ATCC 29544. *International Journal of Medical Microbiology*, **2012**, 302, 270-5	3.7	11
76	Complete genome sequence of Salmonella enterica serovar typhimurium bacteriophage SPN1S. *Journal of Virology*, **2012**, 86, 1284-5	6.6	11
75	Complete genome sequence of Cronobacter sakazakii temperate bacteriophage phiES15. *Journal of Virology*, **2012**, 86, 7713-4	6.6	11
74	ppGpp-mediated stationary phase induction of the genes encoded by horizontally acquired pathogenicity islands and cob/pdu locus in Salmonella enterica serovar Typhimurium. *Journal of Microbiology*, **2010**, 48, 89-95	3	11
73	The complete genome sequence of ATCC 29544, a food-borne pathogen, isolated from a child throat. *Gut Pathogens*, **2017**, 9, 2	5.4	10
72	Metagenomic analysis of isolation methods of a targeted microbe, Campylobacter jejuni, from chicken feces with high microbial contamination. *Microbiome*, **2019**, 7, 67	16.6	10
71	Complete genome sequence of Vibrio vulnificus FORC_017 isolated from a patient with a hemorrhagic rash after consuming raw dotted gizzard shad. *Gut Pathogens*, **2016**, 8, 22	5.4	10
70	Analysis of HilC/D-dependent invF promoter expression under different culture conditions. *Microbial Pathogenesis*, **2012**, 52, 359-66	3.8	10
69	Complete genome sequence of Cronobacter sakazakii bacteriophage CR3. *Journal of Virology*, **2012**, 86, 6367-8	6.6	10
68	Colanic Acid Is a Novel Phage Receptor of subsp. Phage POP72. *Frontiers in Microbiology*, **2019**, 10, 143	5.7	9
67	Developmental Dynamic Analysis of the Excreted Microbiome of Chickens Using Next-Generation Sequencing. *Journal of Molecular Microbiology and Biotechnology*, **2015**, 25, 262-8	0.9	9

66	Identification of red pepper powder irradiated with different types of radiation using luminescence methods: A comparative study. *Food Chemistry*, **2016**, 200, 293-300	8.5	9
65	Comparative Analysis of Aerotolerance, Antibiotic Resistance, and Virulence Gene Prevalence in Isolates from Retail Raw Chicken and Duck Meat in South Korea. *Microorganisms*, **2019**, 7,	4.9	9
64	Characterization and genome analysis of the Bacillus cereus-infecting bacteriophages BPS10C and BPS13. *Archives of Virology*, **2014**, 159, 2171-5	2.6	9
63	Subtyping of Listeria monocytogenes Based on Nucleotide Polymorphism in the clpC, inlA, hlyA, and plcA Genes and Rapid Identification of L. monocytogenes Genetically Similar to Clinical Isolates. *Food Science and Technology Research*, **2008**, 14, 557-564	0.8	9
62	Identification and in vitro Characterization of a Novel Phage Endolysin that Targets Gram-Negative Bacteria. *Microorganisms*, **2020**, 8,	4.9	9
61	Molecular analysis of the Salmonella typhimurium tdc operon regulation. *Journal of Microbiology and Biotechnology*, **2008**, 18, 1024-32	3.3	9
60	Regulation of Iron Uptake by Fine-Tuning the Iron Responsiveness of the Iron Sensor Fur. *Applied and Environmental Microbiology*, **2019**, 85,	4.8	8
59	Microbiota Analysis for the Optimization of Isolation From Chicken Carcasses Using Selective Media. *Frontiers in Microbiology*, **2019**, 10, 1381	5.7	8
58	A tdcA mutation reduces the invasive ability of Salmonella enterica serovar typhimurium. *Molecules and Cells*, **2009**, 28, 389-95	3.5	8
57	Comparative genomic analysis of Staphylococcus aureus FORC_001 and S. aureus MRSA252 reveals the characteristics of antibiotic resistance and virulence factors for human infection. *Journal of Microbiology and Biotechnology*, **2015**, 25, 98-108	3.3	8
56	Noncanonical DNA-binding mode of repressor and its disassembly by antirepressor. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E2480-8	11.5	8
55	Hyper-Aerotolerant from Duck Sources and Its Potential Threat to Public Health: Virulence, Antimicrobial Resistance, and Genetic Relatedness. *Microorganisms*, **2019**, 7,	4.9	8
54	Structure and function of the hypochlorous acid-induced flavoprotein RclA from. *Journal of Biological Chemistry*, **2020**, 295, 3202-3212	5.4	7
53	Yeast Surface Display System for Facilitated Production and Application of Phage Endolysin. *ACS Synthetic Biology*, **2020**, 9, 508-516	5.7	7
52	Characterization and genomic analysis of two Staphylococcus aureus bacteriophages isolated from poultry/livestock farms. *Journal of General Virology*, **2013**, 94, 2569-2576	4.9	7
51	Full sequence analysis and characterization of the South Korean Norovirus GII-4 variant CUK-3. *Virology Journal*, **2011**, 8, 167	6.1	7
50	An Antibacterial Nanorobotic Approach for the Specific Targeting and Removal of Multiple Drug-Resistant Staphylococcus aureus. *Small*, **2021**, 17, e2100257	11	7
49	Development of a Novel Chimeric Endolysin, Lys109 With Enhanced Lytic Activity Against. *Frontiers in Microbiology*, **2020**, 11, 615887	5.7	7

48	Peptidoglycan reshaping by a noncanonical peptidase for helical cell shape in Campylobacter jejuni. *Nature Communications*, **2020**, 11, 458	17.4	6
47	Capsular Polysaccharide Is a Receptor of a Bacteriophage CPS1. *Viruses*, **2019**, 11,	6.2	6
46	A mutation in tdcA attenuates the virulence of Salmonella enterica serovar Typhimurium. *Molecules and Cells*, **2010**, 29, 509-17	3.5	6
45	Transducer-Like Protein in With a Role in Mediating Chemotaxis to Iron and Phosphate. *Frontiers in Microbiology*, **2018**, 9, 2674	5.7	6
44	Complete genome sequence of enterobacteria phage 4MG, a new member of the subgroup "PVP-SE1-like phage" of the "rV5-like viruses". *Archives of Virology*, **2014**, 159, 3137-40	2.6	5
43	Salmonella enterica serovar Typhimurium ruvB mutant can confer protection against salmonellosis in mice. *Vaccine*, **2010**, 28, 6436-44	4.1	5
42	Characterization and Genomic Analysis of PALS2, a Novel Jumbo Bacteriophage. *Frontiers in Microbiology*, **2021**, 12, 622755	5.7	5
41	Development of Advanced Chimeric Endolysin to Control Multidrug-Resistant through Domain Shuffling. *ACS Infectious Diseases*, **2021**, 7, 2081-2092	5.5	5
40	Development of an endolysin enzyme and its cell wall-binding domain protein and their applications for biocontrol and rapid detection of Clostridium perfringens in food. *Food Chemistry*, **2021**, 345, 128562	8.5	5
39	Programmed Delay of a Virulence Circuit Promotes Pathogenicity. *MBio*, **2019**, 10,	7.8	4
38	Complete genome sequence and phylogenetic position of the Bacillus cereus group phage JBP901. *Archives of Virology*, **2015**, 160, 2381-4	2.6	4
37	Complete genome of FORC014 isolated from the toothfish. *Gut Pathogens*, **2016**, 8, 59	5.4	4
36	Draft genome sequence of Xanthomonas axonopodis pv. glycines 8ra possessing transcription activator-like effectors used for genetic engineering. *Journal of Biotechnology*, **2014**, 179, 15-6	3.7	4
35	Comparative genomic analysis reveals genetic features related to the virulence of FORC_013. *Gut Pathogens*, **2017**, 9, 29	5.4	4
34	Complete genome sequence of Bacillus cereus FORC_005, a food-borne pathogen from the soy sauce braised fish-cake with quail-egg. *Standards in Genomic Sciences*, **2015**, 10, 97		4
33	Up-regulation of the cellular level of Escherichia coli PTS components by stabilizing reduced transcripts of the genes in response to the low oxygen level. *Biochemical and Biophysical Research Communications*, **2008**, 370, 609-12	3.4	4
32	Divergent distribution of the sensor kinase CosS in non-thermotolerant campylobacter species and its functional incompatibility with the response regulator CosR of Campylobacter jejuni. *PLoS ONE*, **2014**, 9, e89774	3.7	4
31	Identification of a Bacteria-Specific Binding Protein from the Sequenced Bacterial Genome. *Journal of Microbiology and Biotechnology*, **2016**, 26, 38-43	3.3	4

30	Simultaneous Control of and Using a Hybrid Endolysin LysB4EAD-LysSA11. *Antibiotics*, **2020**, 9,	4.9	4
29	Presence of plasmid-mediated quinolone resistance (PMQR) genes in non-typhoidal Salmonella strains with reduced susceptibility to fluoroquinolones isolated from human salmonellosis in Gyeonggi-do, South Korea from 2016 to 2019. *Gut Pathogens*, **2021**, 13, 35	5.4	4
28	Salt content dependent dielectric properties of pistachios relevant to radio-frequency pasteurization. *Scientific Reports*, **2019**, 9, 2400	4.9	3
27	Complete genome sequence analysis and identification of putative metallo-beta-lactamase and SpoIIIE homologs in Bacillus cereus group phage BCP8-2, a new member of the proposed Bastille-like group. *Archives of Virology*, **2015**, 160, 2647-50	2.6	3
26	Potential Survival and Pathogenesis of a Novel Strain, FORC_022, Isolated From a Soy Sauce Marinated Crab by Genome and Transcriptome Analyses. *Frontiers in Microbiology*, **2018**, 9, 1504	5.7	3
25	Genome Sequence of FORC_021, a Food-Borne Pathogen Isolated from a Knife at a Sashimi Restaurant. *Journal of Microbiology and Biotechnology*, **2016**, 26, 2030-2035	3.3	3
24	Genomic Insights and Its Comparative Analysis with Reveals the Potential Virulence Determinants and Further Pathogenicity for Foodborne Outbreaks. *Journal of Microbiology and Biotechnology*, **2017**, 27, 262-270	3.3	3
23	Complete genome sequence of Vibrio parahaemolyticus strain FORC_008, a foodborne pathogen from a flounder fish in South Korea. *Pathogens and Disease*, **2016**, 74,	4.2	3
22	Whole-Genome Sequencing-Based Characteristics in Extended-Spectrum Beta-Lactamase-Producing Isolated from Retail Meats in Korea. *Microorganisms*, **2020**, 8,	4.9	3
21	Development of new strategy combining heat treatment and phage cocktail for post-contamination prevention. *Food Research International*, **2021**, 145, 110415	7	3
20	ptsI gene in the phosphotransfer system is a potential target for developing a live attenuated Salmonella vaccine. *International Journal of Molecular Medicine*, **2020**, 45, 1327-1340	4.4	2
19	New virulence factor CSK29544_02616 as LpxA binding partner in Cronobacter sakazakii. *Scientific Reports*, **2018**, 8, 835	4.9	2
18	The role of the FliD C-terminal domain in pentamer formation and interaction with FliT. *Scientific Reports*, **2017**, 7, 4418	4.9	2
17	Crystal Structure of LysB4, an Endolysin from -Targeting Bacteriophage B4. *Molecules and Cells*, **2019**, 42, 79-86	3.5	2
16	Antimicrobial Resistance of Escherichia coli from Retail Poultry Meats in Korea. *Journal of Food Protection*, **2020**, 83, 1673-1678	2.5	2
15	CosR Regulation of Transcription for the Control of Oxidative Stress Defense in. *Microorganisms*, **2021**, 9,	4.9	2
14	Inhibition of Antimicrobial-Resistant Using a Broad Host Range Phage Cocktail Targeting Various Bacterial Phylogenetic Groups. *Frontiers in Microbiology*, **2021**, 12, 699630	5.7	2
13	Analysis of Microbiota in Bellflower Root, , Obtained from South Korea. *Journal of Microbiology and Biotechnology*, **2018**, 28, 551-560	3.3	1

12	Prevalence and Genetic Characterization of -Positive Isolated from Retail Meats in South Korea. *Journal of Microbiology and Biotechnology*, **2020**, 30, 1862-1869	3.3	1
11	Structure and Function of the Autolysin SagA in the Type IV Secretion System of. *Molecules and Cells*, **2021**, 44, 517-528	3.5	1
10	Atypical Bacilliredoxin AbxC Plays a Role in Responding to Oxidative Stress in Radiation-Resistant Bacterium. *Antioxidants*, **2021**, 10,	7.1	1
9	Complete genome sequence of Vibrio parahaemolyticus FORC_023 isolated from raw fish storage water. *Pathogens and Disease*, **2016**, 74, ftw032	4.2	1
8	Complete Genome Sequence of Staphylococcus aureus Phage SA75, Isolated from Goat Feces. *Microbiology Resource Announcements*, **2020**, 9,	1.3	1
7	Bacteriophage and endolysin engineering for biocontrol of food pathogens/pathogens in the food: recent advances and future trends.. *Critical Reviews in Food Science and Nutrition*, **2022**, 1-20	11.5	1
6	Bacteriophage-Mediated Modulation of Bacterial Competition during Selective Enrichment of Campylobacter.. *Microbiology Spectrum*, **2021**, 9, e0170321	8.9	1
5	Structure-based inhibitor design for reshaping bacterial morphology.. *Communications Biology*, **2022**, 5, 395	6.7	1
4	Salmonella enterica serovar Typhimurium uses anaerobic respiration to overcome propionate-mediated colonization resistance.. *Cell Reports*, **2022**, 38, 110180	10.6	0
3	A Nitrogen Metabolic Enzyme Provides Fitness Advantage by Promoting Utilization of Microbiota-Derived Carbon Source. *ACS Infectious Diseases*, **2021**, 7, 1208-1220	5.5	0
2	Crystal structures of YeiE from and the role of sulfite tolerance in gram-negative bacteria.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119, e2118002119	11.5	0
1	Hyper-aerotolerant Campylobacter coli, an emerging foodborne pathogen, shows differential expressions of oxidative stress-related genes.. *Veterinary Microbiology*, **2021**, 264, 109308	3.3	