

Sangyong Lim

List of Publications by Year in descending order

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93
papers

1,730
citations

279798

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377865

34
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95
docs citations

95
times ranked

2103
citing authors

#	ARTICLE	IF	CITATIONS
1	The bifidogenic effects and dental plaque deformation of non-digestible isomaltooligosaccharides synthesized by dextransucrase and alternansucrase. <i>Enzyme and Microbial Technology</i> , 2022, 153, 109955.	3.2	4
2	Characterization of humoral and cellular immune features of gamma-irradiated influenza vaccine. <i>Human Vaccines and Immunotherapeutics</i> , 2021, 17, 485-496.	3.3	8
3	Characteristics of sourdough bread fermented with <i>Pediococcus pentosaceus</i> and <i>Saccharomyces cerevisiae</i> and its bio-preservative effect against <i>Aspergillus flavus</i> . <i>Food Chemistry</i> , 2021, 345, 128787.	8.2	43
4	<i>Spirosoma taeaanense</i> sp. nov., a radiation resistant bacterium isolated from a coastal sand dune. <i>Antonie Van Leeuwenhoek</i> , 2021, 114, 151-159.	1.7	10
5	Effects of Conserved Wedge Domain Residues on DNA Binding Activity of <i>Deinococcus radiodurans</i> RecG Helicase. <i>Frontiers in Genetics</i> , 2021, 12, 634615.	2.3	7
6	The Inhibitory Effects of Plant Derivate Polyphenols on the Main Protease of SARS Coronavirus 2 and Their Structure-Activity Relationship. <i>Molecules</i> , 2021, 26, 1924.	3.8	39
7	<i>Methylobacterium radiodurans</i> sp. nov., a novel radiation-resistant <i>Methylobacterium</i> . <i>Archives of Microbiology</i> , 2021, 203, 3435-3442.	2.2	5
8	Lack of the Bacterial Phytochrome Protein Decreases <i>Deinococcus radiodurans</i> Resistance to Mitomycin C. <i>Frontiers in Microbiology</i> , 2021, 12, 659233.	3.5	1
9	Atypical Bacilliredoxin AbxC Plays a Role in Responding to Oxidative Stress in Radiation-Resistant Bacterium <i>Deinococcus radiodurans</i> . <i>Antioxidants</i> , 2021, 10, 1148.	5.1	4
10	<i>Hymenobacter taeaanensis</i> sp. nov., radiation resistant bacterium isolated from coastal sand dune. <i>Antonie Van Leeuwenhoek</i> , 2021, 114, 1585-1593.	1.7	7
11	Molecular Characteristics of IS 1216 Carrying Multidrug Resistance Gene Cluster in Serotype III/Sequence Type 19 Group B <i>Streptococcus</i> . <i>MSphere</i> , 2021, 6, e0054321.	2.9	3
12	Introduction to polysaccharides. , 2021, , 3-46.		2
13	Structural and Biochemical Characterization of Thioredoxin-2 from <i>Deinococcus radiodurans</i> . <i>Antioxidants</i> , 2021, 10, 1843.	5.1	7
14	<i>Deinococcus radiodurans</i> Exopolysaccharide Inhibits <i>Staphylococcus aureus</i> Biofilm Formation. <i>Frontiers in Microbiology</i> , 2021, 12, 712086.	3.5	5
15	Antioxidant Activities of an Exopolysaccharide (DeinoPol) Produced by the Extreme Radiation-Resistant Bacterium <i>Deinococcus radiodurans</i> . <i>Scientific Reports</i> , 2020, 10, 55.	3.3	33
16	Improved tolerance of <i>Escherichia coli</i> to oxidative stress by expressing putative response regulator homologs from Antarctic bacteria. <i>Journal of Microbiology</i> , 2020, 58, 131-141.	2.8	4
17	Enzymatic synthesis and biological characterization of a novel mangiferin glucoside. <i>Enzyme and Microbial Technology</i> , 2020, 134, 109479.	3.2	12
18	Crystal structure of the AhpD-like protein DR1765 from <i>Deinococcus radiodurans</i> R1. <i>Biochemical and Biophysical Research Communications</i> , 2020, 529, 444-449.	2.1	7

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19	Enhancement of neuroprotection, antioxidant capacity, and water-solubility of crocins by transglucosylation using dextransucrase under high hydrostatic pressure. <i>Enzyme and Microbial Technology</i> , 2020, 140, 109630.	3.2	12
20	<i>Hymenobacter baengnokdamensis</i> sp. nov., Isolated from the Soil of a Crater Lake in Korea. <i>Current Microbiology</i> , 2020, 77, 4167-4173.	2.2	8
21	Fermented Wild Ginseng by <i>Rhizopus oligosporus</i> Improved l-Carnitine and Ginsenoside Contents. <i>Molecules</i> , 2020, 25, 2111.	3.8	17
22	ptsI gene in the phosphotransfer system is a potential target for developing a live attenuated <i>Salmonella</i> vaccine. <i>International Journal of Molecular Medicine</i> , 2020, 45, 1327-1340.	4.0	2
23	Development of Oxytolerant <i>Salmonella typhimurium</i> Using Radiation Mutation Technology (RMT) for Cancer Therapy. <i>Scientific Reports</i> , 2020, 10, 3764.	3.3	16
24	Changes in soil taxonomic and functional diversity resulting from gamma irradiation. <i>Scientific Reports</i> , 2019, 9, 7894.	3.3	15
25	Serotype-Independent Protection Against Invasive Pneumococcal Infections Conferred by Live Vaccine With <i>igt</i> Deletion. <i>Frontiers in Immunology</i> , 2019, 10, 1212.	4.8	14
26	Crystal structure of the highly radiation-inducible DinB/YfiT superfamily protein DR0053 from <i>Deinococcus radiodurans</i> R1. <i>Biochemical and Biophysical Research Communications</i> , 2019, 513, 354-359.	2.1	4
27	Truncated TALE-FP as DNA Staining Dye in a High-salt Buffer. <i>Scientific Reports</i> , 2019, 9, 17197.	3.3	9
28	Effective mucosal live attenuated <i>Salmonella</i> vaccine by deleting phosphotransferase system component genes <i>ptsI</i> and <i>crr</i> . <i>Journal of Microbiology</i> , 2019, 57, 64-73.	2.8	10
29	Rad53- and Chk1-Dependent DNA Damage Response Pathways Cooperatively Promote Fungal Pathogenesis and Modulate Antifungal Drug Susceptibility. <i>MBio</i> , 2019, 10, .	4.1	22
30	Conservation and diversity of radiation and oxidative stress resistance mechanisms in <i>Deinococcus</i> species. <i>FEMS Microbiology Reviews</i> , 2019, 43, 19-52.	8.6	141
31	Novel functions of peroxiredoxin Q from <i>Deinococcus radiodurans</i> R1 as a peroxidase and a molecular chaperone. <i>FEBS Letters</i> , 2019, 593, 219-229.	2.8	10
32	Vaccination With a Latch Peptide Provides Serotype-Independent Protection Against Group B <i>Streptococcus</i> Infection in Mice. <i>Journal of Infectious Diseases</i> , 2018, 217, 93-102.	4.0	13
33	Development of a multiplexed opsonophagocytic killing assay (MOPA) for group B <i>Streptococcus</i> . <i>Human Vaccines and Immunotherapeutics</i> , 2018, 14, 67-73.	3.3	15
34	Complete genome sequence of <i>Planococcus</i> sp. PAMC21323 isolated from Antarctica and its metabolic potential to detoxify pollutants. <i>Standards in Genomic Sciences</i> , 2018, 13, 31.	1.5	10
35	Status of group B streptococcal vaccine development. <i>Clinical and Experimental Vaccine Research</i> , 2018, 7, 76.	2.2	51
36	Progress toward a group B streptococcal vaccine. <i>Human Vaccines and Immunotherapeutics</i> , 2018, 14, 1-13.	3.3	29

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37	Roseomonas radiodurans sp. nov., a gamma-radiation-resistant bacterium isolated from gamma ray-irradiated soil. International Journal of Systematic and Evolutionary Microbiology, 2018, 68, 2443-2447.	1.7	15
38	Deinococcus koreensis sp. nov., a gamma radiation-resistant bacterium isolated from river water. International Journal of Systematic and Evolutionary Microbiology, 2018, 68, 2545-2550.	1.7	7
39	Deinococcus irradiatisoli sp. nov., isolated from gamma ray-irradiated soil. International Journal of Systematic and Evolutionary Microbiology, 2018, 68, 3232-3236.	1.7	5
40	Molecular characterization of pneumococcal surface protein K, a potential pneumococcal vaccine antigen. Virulence, 2017, 8, 875-890.	4.4	11
41	Oxidative stress response of Deinococcus geothermalis via a cystine importer. Journal of Microbiology, 2017, 55, 137-146.	2.8	13
42	Microbial radiation-resistance mechanisms. Journal of Microbiology, 2017, 55, 499-507.	2.8	41
43	Deinococcus rubrus sp. nov., a Bacterium Isolated from Antarctic Coastal Sea Water. Journal of Microbiology and Biotechnology, 2017, 27, 535-541.	2.1	9
44	Enhancement of Lysine Production in Recombinant Corynebacterium glutamicum through Expression of Deinococcus radiodurans pprM and dr1558 Genes. Microbiology and Biotechnology Letters, 2017, 45, 271-275.	0.4	3
45	Transcriptional Analysis of the <i>lagB</i> within <i>Salmonella</i> Pathogenicity Island 1 (SPI1). Journal of Bacteriology and Virology, 2016, 46, 128.	0.1	1
46	Unraveling Fungal Radiation Resistance Regulatory Networks through the Genome-Wide Transcriptome and Genetic Analyses of Cryptococcus neoformans. MBio, 2016, 7, .	4.1	46
47	Deinococcus sedimenti sp. nov. isolated from river sediment. Journal of Microbiology, 2016, 54, 802-808.	2.8	8
48	Deinococcus rubellus sp. nov., bacteria isolated from the muscle of antarctic fish. Journal of Microbiology, 2016, 54, 796-801.	2.8	1
49	Analysis of alcohol-induced DNA damage in Escherichia coli by visualizing single genomic DNA molecules. Analyst, The, 2016, 141, 4326-4331.	3.5	16
50	Spirosoma fluminis sp. nov., a Gamma- ⁶⁰ Cobalt Radiation Resistant Bacterium Isolated from Sediment of the Han River in South Korea. Current Microbiology, 2016, 73, 689-695.	2.2	20
51	Deinococcus seoulensis sp. nov., a bacterium isolated from sediment at Han River in Seoul, Republic of Korea. Journal of Microbiology, 2016, 54, 537-542.	2.8	14
52	PprM is necessary for up-regulation of katE1, encoding the major catalase of Deinococcus radiodurans, under unstressed culture conditions. Journal of Microbiology, 2016, 54, 426-431.	2.8	14
53	Inactivation of fungal contaminants on Korean traditional cashbox by gamma irradiation. Radiation Physics and Chemistry, 2016, 118, 70-74.	2.8	22
54	Engineering Synthetic Multistress Tolerance in Escherichia coli by Using a Deinococcal Response Regulator, DR1558. Applied and Environmental Microbiology, 2016, 82, 1154-1166.	3.1	23

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55	DNA binding fluorescent proteins for the direct visualization of large DNA molecules. <i>Nucleic Acids Research</i> , 2016, 44, e6-e6.	14.5	24
56	The three catalases in <i>Deinococcus radiodurans</i> : Only two show catalase activity. <i>Biochemical and Biophysical Research Communications</i> , 2016, 469, 443-448.	2.1	29
57	Single-molecule visualization of ROS-induced DNA damage in large DNA molecules. <i>Analyst</i> , The, 2016, 141, 847-852.	3.5	38
58	PprM, a Cold Shock Domain-Containing Protein from <i>Deinococcus radiodurans</i> , Confers Oxidative Stress Tolerance to <i>Escherichia coli</i> . <i>Frontiers in Microbiology</i> , 2016, 7, 2124.	3.5	18
59	<i>Deinococcus actinosclerus</i> sp. nov., a novel bacterium isolated from soil of a rocky hillside. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 1003-1008.	1.7	22
60	<i>Flavisolibacter tropicus</i> sp. nov., isolated from tropical soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 3413-3419.	1.7	22
61	<i>Deinococcus persicinus</i> sp. nov., a radiation-resistant bacterium from soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 5077-5082.	1.7	11
62	Isolation and Proteomic Analysis of a <i>Chlamydomonas reinhardtii</i> Mutant with Enhanced Lipid Production by the Gamma Irradiation Method. <i>Journal of Microbiology and Biotechnology</i> , 2016, 26, 2066-2075.	2.1	5
63	Melittin, a honeybee venom-derived antimicrobial peptide, may target methicillin-resistant <i>Staphylococcus aureus</i> . <i>Molecular Medicine Reports</i> , 2015, 12, 6483-6490.	2.4	91
64	Microalgal lipid production using the hydrolysates of rice straw pretreated with gamma irradiation and alkali solution. <i>Biotechnology for Biofuels</i> , 2015, 8, 125.	6.2	33
65	Roles of Outer Membrane Vesicles (OMVs) in Bacterial Virulence. <i>Journal of Bacteriology and Virology</i> , 2015, 45, 1.	0.1	8
66	Transcriptional Profiling of an Attenuated <i>Salmonella Typhimurium</i> Mutant Strain Under Low-oxygen Conditions using Microarray Analysis. <i>Journal of Bacteriology and Virology</i> , 2015, 45, 200.	0.1	4
67	Expression and Mutational Analysis of DinB-Like Protein DR0053 in <i>Deinococcus radiodurans</i> . <i>PLoS ONE</i> , 2015, 10, e0118275.	2.5	14
68	Temporal regulation of <i>Salmonella</i> pathogenicity Island 1 (SPI-1) <i>hilA</i> by Hfq in <i>Salmonella enterica</i> serovar typhimurium. <i>Journal of the Korean Society for Applied Biological Chemistry</i> , 2015, 58, 169-172.	0.9	1
69	<i>Deinococcus puniceus</i> sp. nov., a Bacterium Isolated from Soil-Irradiated Gamma Radiation. <i>Current Microbiology</i> , 2015, 70, 464-469.	2.2	16
70	<i>Spirosoma pulveris</i> sp. nov., a bacterium isolated from a dust sample collected at Chungnam province, South Korea. <i>Journal of Microbiology</i> , 2015, 53, 750-755.	2.8	25
71	Effect of gamma irradiation on physiological and proteomic changes of Arctic <i>Zygnema</i> sp. (Chlorophyta, Zygnematales). <i>Phycologia</i> , 2015, 54, 333-341.	1.4	14
72	Antioxidant activities of fucoidan degraded by gamma irradiation and acidic hydrolysis. <i>Radiation Physics and Chemistry</i> , 2015, 109, 23-26.	2.8	21

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73	<i>Deinococcus metallilatus</i> sp. nov. and <i>Deinococcus carri</i> sp. nov., isolated from a car air-conditioning system. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 3175-3182.	1.7	19
74	Complete genome sequence of <i>Hymenobacter swuensis</i> , an ionizing-radiation resistant bacterium isolated from mountain soil. <i>Journal of Biotechnology</i> , 2014, 178, 65-66.	3.8	10
75	Molecular cloning and expression of amylosucrase from highly radiation-resistant <i>Deinococcus radiopugnans</i> . <i>Food Science and Biotechnology</i> , 2014, 23, 2007-2012.	2.6	19
76	<i>Hymenobacter swuensis</i> sp. nov., a Gamma-Radiation-Resistant Bacteria Isolated from Mountain Soil. <i>Current Microbiology</i> , 2014, 68, 305-310.	2.2	30
77	<i>Spirosoma radiotolerans</i> sp. nov., a Gamma-Radiation-Resistant Bacterium Isolated from Gamma Ray-Irradiated Soil. <i>Current Microbiology</i> , 2014, 69, 286-291.	2.2	33
78	Hsp20, a Small Heat Shock Protein of <i>Deinococcus radiodurans</i> , Confers Tolerance to Hydrogen Peroxide in <i>Escherichia coli</i> . <i>Journal of Microbiology and Biotechnology</i> , 2014, 24, 1118-1122.	2.1	26
79	Comparative survival analysis of 12 histidine kinase mutants of <i>Deinococcus radiodurans</i> after exposure to DNA-damaging agents. <i>Bioprocess and Biosystems Engineering</i> , 2013, 36, 781-789.	3.4	40
80	Visualization of UV-induced damage on single DNA molecules. <i>Chemical Communications</i> , 2013, 49, 4740.	4.1	28
81	Transcriptome analysis of salt-stressed <i>Deinococcus radiodurans</i> and characterization of salt-sensitive mutants. <i>Research in Microbiology</i> , 2013, 164, 923-932.	2.1	15
82	Hfq and ArcA Are Involved in the Stationary Phase-Dependent Activation of <i>Salmonella</i> Pathogenicity Island 1 (SPI1) Under Shaking Culture Conditions. <i>Journal of Microbiology and Biotechnology</i> , 2013, 23, 1664-1672.	2.1	15
83	A Novel Radiation-Resistant Strain of <i>Filobasidium</i> sp. Isolated from the West Sea of Korea. <i>Journal of Microbiology and Biotechnology</i> , 2013, 23, 1493-1499.	2.1	9
84	<i>Deinococcus humi</i> sp. nov., isolated from soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2012, 62, 2844-2850.	1.7	38
85	Expression and delivery of tetanus toxin fragment C fused to the N-terminal domain of SipB enhances specific immune responses in mice. <i>Microbiology and Immunology</i> , 2012, 56, 595-604.	1.4	6
86	Shelf-life extension of preservative-free hydrated feed using gamma pasteurization and its effect on growth performance of eel. <i>Radiation Physics and Chemistry</i> , 2012, 81, 1095-1097.	2.8	1
87	<i>Deinococcus daejeonensis</i> sp. nov., isolated from sludge in a sewage disposal plant. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2012, 62, 1265-1270.	1.7	49
88	Analysis of HilC/D-dependent invF promoter expression under different culture conditions. <i>Microbial Pathogenesis</i> , 2012, 52, 359-366.	2.9	10
89	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.	2.5	54
90	Development of a Qualitative Dose Indicator for Gamma Radiation Using Lyophilized <i>Deinococcus</i> . <i>Journal of Microbiology and Biotechnology</i> , 2012, 22, 1296-1300.	2.1	10

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91	A Mutation in <i>tdcA</i> Attenuates the Virulence of <i>Salmonella enterica</i> Serovar Typhimurium. <i>Molecules and Cells</i> , 2010, 29, 509-518.	2.6	9
92	<i>Fis</i> is required for proper regulation of <i>ssaG</i> expression in <i>Salmonella enterica</i> serovar Typhimurium. <i>Microbial Pathogenesis</i> , 2006, 41, 33-42.	2.9	18
93	A Comparative Evaluation of Radiation-Induced DNA Damage using Real-Time PCR: Influence of Base Composition. <i>Radiation Research</i> , 2006, 165, 430-437.	1.5	27