

Dong Wook Kim

List of Publications by Year in descending order

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68
papers

4,668
citations

172457

29
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102487

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72
docs citations

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times ranked

4814
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of hydrophilic polymers on mechanical property and wound recovery of hybrid bilayer wound dressing system for delivering thermally unstable probiotic. <i>Materials Science and Engineering C</i> , 2022, 135, 112696.	7.3	8
2	23-valent polysaccharide vaccine (PPSV23)-targeted serotype-specific identification of <i>Streptococcus pneumoniae</i> using the loop-mediated isothermal amplification (LAMP) method. <i>PLoS ONE</i> , 2021, 16, e0246699.	2.5	1
3	VicPred: A <i>Vibrio cholerae</i> Genotype Prediction Tool. <i>Frontiers in Microbiology</i> , 2021, 12, 691895.	3.5	12
4	Cholera Toxin Production in <i>Vibrio cholerae</i> O1 El Tor Biotype Strains in Single-Phase Culture. <i>Frontiers in Microbiology</i> , 2020, 11, 825.	3.5	7
5	Alterations in glucose metabolism in <i>Vibrio cholerae</i> serogroup O1 El Tor biotype strains. <i>Scientific Reports</i> , 2020, 10, 308.	3.3	16
6	A human pathogenic bacterium <i>Shigella</i> proliferates in plants through adoption of type III effectors for shigellosis. <i>Plant, Cell and Environment</i> , 2019, 42, 2962-2978.	5.7	18
7	Intranasal immunization with pneumococcal surface protein A in the presence of nanoparticle forming polysorbitol transporter adjuvant induces protective immunity against the <i>Streptococcus pneumoniae</i> infection. <i>Acta Biomaterialia</i> , 2019, 90, 362-372.	8.3	20
8	Development of a Novel Loop-Mediated Isothermal Amplification Method to Detect Guiana Extended-Spectrum (GES) β -Lactamase Genes in <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 25.	3.5	27
9	Molecular serotype-specific identification of <i>Streptococcus pneumoniae</i> using loop-mediated isothermal amplification. <i>Scientific Reports</i> , 2019, 9, 19823.	3.3	10
10	Cross-Protective <i>Shigella</i> Whole-Cell Vaccine With a Truncated O-Polysaccharide Chain. <i>Frontiers in Microbiology</i> , 2018, 9, 2609.	3.5	21
11	Loop-Mediated Isothermal Amplification Methods for Diagnosis of Bacterial Meningitis. <i>Frontiers in Pediatrics</i> , 2018, 6, 57.	1.9	46
12	Replication of <i>Vibrio cholerae</i> classical CTX phage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 2343-2348.	7.1	27
13	Distinct pattern of immune tolerance in dendritic cells treated with lipopolysaccharide or lipoteichoic acid. <i>Molecular Immunology</i> , 2017, 91, 57-64.	2.2	8
14	Molecular Serotype-Specific Identification of Non-type b <i>Haemophilus influenzae</i> by Loop-Mediated Isothermal Amplification. <i>Frontiers in Microbiology</i> , 2017, 8, 1877.	3.5	12
15	Host Cell Nuclear Localization of <i>Shigella flexneri</i> Effector OspF Is Facilitated by SUMOylation. <i>Journal of Microbiology and Biotechnology</i> , 2017, 27, 610-615.	2.1	9
16	Selective and Efficient Elimination of <i>Vibrio cholerae</i> with a Chemical Modulator that Targets Glucose Metabolism. <i>Frontiers in Cellular and Infection Microbiology</i> , 2016, 6, 156.	3.9	7
17	Circulating Gut-Homing (β - γ - δ - ϵ - ζ - η - θ - ι - κ - λ - μ - ν - ξ - \omicron - π - ρ - σ - τ - υ - ϕ - χ - ψ - ω) Plasmablast Responses against <i>Shigella</i> Surface Protein Antigens among Hospitalized Patients with Diarrhea. <i>Vaccine Journal</i> , 2016, 23, 610-617.	3.1	6
18	Sequence Variations in the Non-Coding Sequence of CTX Phages in <i>Vibrio cholerae</i> . <i>Journal of Microbiology and Biotechnology</i> , 2016, 26, 1473-1480.	2.1	2

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19	Development of a Multiplex PCR for Discrimination of the TLC:RS1:CTX array of <i>Vibrio cholerae</i> Wave 3 El Tor Strains. <i>Journal of Microbiology and Biotechnology</i> , 2016, 26, 2199-2205.	2.1	1
20	Species-wide whole genome sequencing reveals historical global spread and recent local persistence in <i>Shigella flexneri</i> . <i>ELife</i> , 2015, 4, e07335.	6.0	94
21	Whole-genome sequence comparisons reveal the evolution of <i>Vibrio cholerae</i> O1. <i>Trends in Microbiology</i> , 2015, 23, 479-489.	7.7	75
22	TLR2, but not TLR4, plays a predominant role in the immune responses to cholera vaccines. <i>Journal of Leukocyte Biology</i> , 2015, 98, 661-669.	3.3	7
23	<i>Shigella</i> Outer Membrane Protein PSSP-1 Is Broadly Protective against <i>Shigella</i> Infection. <i>Vaccine Journal</i> , 2015, 22, 381-388.	3.1	21
24	A Novel Loop-Mediated Isothermal Amplification Assay for Serogroup Identification of <i>Neisseria meningitidis</i> in Cerebrospinal Fluid. <i>Frontiers in Microbiology</i> , 2015, 6, 1548.	3.5	28
25	Detection of <i>Mycobacterium tuberculosis</i> complex in sputum specimens using a loop-mediated isothermal amplification assay in Korea. <i>Journal of Medical Microbiology</i> , 2015, 64, 1335-1340.	1.8	11
26	Clinical Evaluation of a Loop-Mediated Isothermal Amplification (LAMP) Assay for Rapid Detection of <i>Neisseria meningitidis</i> in Cerebrospinal Fluid. <i>PLoS ONE</i> , 2015, 10, e0122922.	2.5	56
27	Molecular Characterization of Enterotoxigenic <i>Escherichia coli</i> Strains Isolated from Diarrheal Patients in Korea during 2003-2011. <i>PLoS ONE</i> , 2014, 9, e96896.	2.5	24
28	Molecular Insights Into the Evolutionary Pathway of <i>Vibrio cholerae</i> O1 Atypical El Tor Variants. <i>PLoS Pathogens</i> , 2014, 10, e1004384.	4.7	45
29	CTX Prophages in <i>Vibrio cholerae</i> O1 Strains. <i>Journal of Microbiology and Biotechnology</i> , 2014, 24, 725-731.	2.1	22
30	Sublingual administration of bacteria-expressed influenza virus hemagglutinin 1 (HA1) induces protection against infection with 2009 pandemic H1N1 influenza virus. <i>Journal of Microbiology</i> , 2013, 51, 130-135.	2.8	14
31	Global Phylogeny of <i>Shigella sonnei</i> Strains from Limited Single Nucleotide Polymorphisms (SNPs) and Development of a Rapid and Cost-Effective SNP-Typing Scheme for Strain Identification by High-Resolution Melting Analysis. <i>Journal of Clinical Microbiology</i> , 2013, 51, 303-305.	3.9	20
32	Tracking the establishment of local endemic populations of an emergent enteric pathogen. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 17522-17527.	7.1	124
33	Autophagy Controls an Intrinsic Host Defense to Bacteria by Promoting Epithelial Cell Survival: A Murine Model. <i>PLoS ONE</i> , 2013, 8, e81095.	2.5	29
34	Draft Genome Sequence of <i>Klebsiella pneumoniae</i> subsp. <i>pneumoniae</i> DSM 30104 ^T . <i>Journal of Bacteriology</i> , 2012, 194, 5722-5723.	2.2	3
35	<i>Shigella sonnei</i> genome sequencing and phylogenetic analysis indicate recent global dissemination from Europe. <i>Nature Genetics</i> , 2012, 44, 1056-1059.	21.4	278
36	An expanded age range for meningococcal meningitis: molecular diagnostic evidence from population-based surveillance in Asia. <i>BMC Infectious Diseases</i> , 2012, 12, 310.	2.9	29

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37	Sublingual immunization with recombinant adenovirus encoding SARS-CoV spike protein induces systemic and mucosal immunity without redirection of the virus to the brain. <i>Virology Journal</i> , 2012, 9, 215.	3.4	41
38	Phenotypic and genetic characterization of <i>Vibrio cholerae</i> O1 clinical isolates collected through national antimicrobial resistance surveillance network in Nepal. <i>World Journal of Microbiology and Biotechnology</i> , 2012, 28, 2671-2678.	3.6	9
39	The Enhanced Pneumococcal LAMP Assay: A Clinical Tool for the Diagnosis of Meningitis Due to <i>Streptococcus pneumoniae</i> . <i>PLoS ONE</i> , 2012, 7, e42954.	2.5	42
40	Evidence for several waves of global transmission in the seventh cholera pandemic. <i>Nature</i> , 2011, 477, 462-465.	27.8	649
41	Loop-Mediated Isothermal Amplification Assay for Detection of <i>Haemophilus influenzae</i> Type b in Cerebrospinal Fluid. <i>Journal of Clinical Microbiology</i> , 2011, 49, 3621-3626.	3.9	40
42	Sublingual Immunization with M2-Based Vaccine Induces Broad Protective Immunity against Influenza. <i>PLoS ONE</i> , 2011, 6, e27953.	2.5	66
43	Multilocus variable-number tandem repeat analysis of <i>Vibrio cholerae</i> O1 El Tor strains harbouring classical toxin B. <i>Journal of Medical Microbiology</i> , 2010, 59, 763-769.	1.8	43
44	Classical RS1 and environmental RS1 elements in <i>Vibrio cholerae</i> O1 El Tor strains harbouring a tandem repeat of CTX prophage: revisiting Mozambique in 2005. <i>Journal of Medical Microbiology</i> , 2010, 59, 302-308.	1.8	19
45	Genomic evolution of <i>Vibrio cholerae</i> . <i>Current Opinion in Microbiology</i> , 2010, 13, 646-651.	5.1	50
46	Genetic Characterization of Atypical <i>Shigella flexneri</i> Isolated in Korea. <i>Journal of Microbiology and Biotechnology</i> , 2010, 20, 1457-1462.	2.1	10
47	Comparative genomics reveals mechanism for short-term and long-term clonal transitions in pandemic <i>Vibrio cholerae</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 15442-15447.	7.1	351
48	Cholera Outbreaks Caused by an Altered <i>Vibrio cholerae</i> O1 El Tor Biotype Strain Producing Classical Cholera Toxin B in Vietnam in 2007 to 2008. <i>Journal of Clinical Microbiology</i> , 2009, 47, 1568-1571.	3.9	104
49	Classification of hybrid and altered <i>Vibrio cholerae</i> strains by CTX prophage and RS1 element structure. <i>Journal of Microbiology</i> , 2009, 47, 783-788.	2.8	27
50	OspF directly attenuates the activity of extracellular signal-regulated kinase during invasion by <i>Shigella flexneri</i> in human dendritic cells. <i>Molecular Immunology</i> , 2008, 45, 3295-3301.	2.2	20
51	Characteristics of a pandemic clone of O3:H6 and O4:H6 <i>Vibrio parahaemolyticus</i> isolated in Beira, Mozambique. <i>Journal of Medical Microbiology</i> , 2008, 57, 1502-1507.	1.8	20
52	Multilocus sequence typing analysis of <i>Shigella flexneri</i> isolates collected in Asian countries. <i>Journal of Medical Microbiology</i> , 2007, 56, 1460-1466.	1.8	33
53	An injected bacterial effector targets chromatin access for transcription factor NF- κ B to alter transcription of host genes involved in immune responses. <i>Nature Immunology</i> , 2007, 8, 47-56.	14.5	353
54	Multilocus sequence typing (MLST) analysis of <i>Vibrio cholerae</i> O1 El Tor isolates from Mozambique that harbour the classical CTX prophage. <i>Journal of Medical Microbiology</i> , 2006, 55, 165-170.	1.8	74

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55	Isolation of <i>Salmonella enterica</i> subspecies <i>enterica</i> serovar Paratyphi B dT+, or <i>Salmonella Java</i> , from Indonesia and alteration of the d-tartrate fermentation phenotype by disrupting the ORF STM 3356. <i>Journal of Medical Microbiology</i> , 2006, 55, 1661-1665.	1.8	12
56	The <i>Shigella flexneri</i> effector OspG interferes with innate immune responses by targeting ubiquitin-conjugating enzymes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 14046-14051.	7.1	297
57	Anti-inflammatory activity of <i>Sedum kamschaticum</i> . <i>Journal of Ethnopharmacology</i> , 2004, 90, 409-414.	4.1	22
58	Anti-inflammatory activity of <i>Elsholtzia splendens</i> . <i>Archives of Pharmacal Research</i> , 2003, 26, 232-236.	6.3	16
59	Coupling of DNA Helicase and Endonuclease Activities of Yeast Dna2 Facilitates Okazaki Fragment Processing. <i>Journal of Biological Chemistry</i> , 2002, 277, 26632-26641.	3.4	66
60	Effects of sophoraflavanone g, a prenylated flavonoid from <i>sophoraFlavescens</i> , on cyclooxygenase-2 and In Vivo inflammatory response. <i>Archives of Pharmacal Research</i> , 2002, 25, 329-335.	6.3	81
61	Identification of an RNA Hairpin in Poliovirus RNA That Serves as the Primary Template in the In Vitro Uridylylation of VPg. <i>Journal of Virology</i> , 2000, 74, 10359-10370.	3.4	264
62	The endonuclease activity of the yeast Dna2 enzyme is essential in vivo. <i>Nucleic Acids Research</i> , 2000, 28, 2873-2881.	14.5	74
63	Genetic and Biochemical Studies of Poliovirus-Acting Replication Element cre in Relation to VPg Uridylylation. <i>Journal of Virology</i> , 2000, 74, 10371-10380.	3.4	147
64	RNA Helicase Activity of <i>Escherichia coli</i> SecA Protein. <i>Biochemical and Biophysical Research Communications</i> , 1997, 235, 593-597.	2.1	27
65	Towards defining a minimal functional domain for NTPase and RNA helicase activities of the hepatitis C virus NS3 protein. <i>Virus Research</i> , 1997, 49, 17-25.	2.2	38
66	DNA Helicase Activity of the Hepatitis C Virus Nonstructural Protein 3. <i>FEBS Journal</i> , 1997, 250, 47-54.	0.2	70
67	Characterization of RNA Binding Activity and RNA Helicase Activity of the Hepatitis C Virus NS3 Protein. <i>Biochemical and Biophysical Research Communications</i> , 1996, 225, 654-659.	2.1	148
68	C-Terminal Domain of the Hepatitis C Virus NS3 Protein Contains an RNA Helicase Activity. <i>Biochemical and Biophysical Research Communications</i> , 1995, 215, 160-166.	2.1	316