

Dong Wook Kim

List of Publications by Year in descending order

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68
papers

4,668
citations

172457

29
h-index

102487

66
g-index

72
all docs

72
docs citations

72
times ranked

4814
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence for several waves of global transmission in the seventh cholera pandemic. <i>Nature</i> , 2011, 477, 462-465.	27.8	649
2	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
3	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
4	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
5	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
6	<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
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	The endonuclease activity of the yeast Dna2 enzyme is essential in vivo. <i>Nucleic Acids Research</i> , 2000, 28, 2873-2881.	14.5	74
16	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
17	DNA Helicase Activity of the Hepatitis C Virus Nonstructural Protein 3. <i>FEBS Journal</i> , 1997, 250, 47-54.	0.2	70
18	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

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19	Sublingual Immunization with M2-Based Vaccine Induces Broad Protective Immunity against Influenza. PLoS ONE, 2011, 6, e27953.	2.5	66
20	Clinical Evaluation of a Loop-Mediated Isothermal Amplification (LAMP) Assay for Rapid Detection of Neisseria meningitidis in Cerebrospinal Fluid. PLoS ONE, 2015, 10, e0122922.	2.5	56
21	Genomic evolution of Vibrio cholerae. Current Opinion in Microbiology, 2010, 13, 646-651.	5.1	50
22	Loop-Mediated Isothermal Amplification Methods for Diagnosis of Bacterial Meningitis. Frontiers in Pediatrics, 2018, 6, 57.	1.9	46
23	Molecular Insights Into the Evolutionary Pathway of Vibrio cholerae O1 Atypical El Tor Variants. PLoS Pathogens, 2014, 10, e1004384.	4.7	45
24	Multilocus variable-number tandem repeat analysis of Vibrio cholerae O1 El Tor strains harbouring classical toxin B. Journal of Medical Microbiology, 2010, 59, 763-769.	1.8	43
25	The Enhanced Pneumococcal LAMP Assay: A Clinical Tool for the Diagnosis of Meningitis Due to Streptococcus pneumoniae. PLoS ONE, 2012, 7, e42954.	2.5	42
26	Sublingual immunization with recombinant adenovirus encoding SARS-CoV spike protein induces systemic and mucosal immunity without redirection of the virus to the brain. Virology Journal, 2012, 9, 215.	3.4	41
27	Loop-Mediated Isothermal Amplification Assay for Detection of Haemophilus influenzae Type b in Cerebrospinal Fluid. Journal of Clinical Microbiology, 2011, 49, 3621-3626.	3.9	40
28	Towards defining a minimal functional domain for NTPase and RNA helicase activities of the hepatitis C virus NS3 protein. Virus Research, 1997, 49, 17-25.	2.2	38
29	Multilocus sequence typing analysis of Shigella flexneri isolates collected in Asian countries. Journal of Medical Microbiology, 2007, 56, 1460-1466.	1.8	33
30	An expanded age range for meningococcal meningitis: molecular diagnostic evidence from population-based surveillance in Asia. BMC Infectious Diseases, 2012, 12, 310.	2.9	29
31	Autophagy Controls an Intrinsic Host Defense to Bacteria by Promoting Epithelial Cell Survival: A Murine Model. PLoS ONE, 2013, 8, e81095.	2.5	29
32	A Novel Loop-Mediated Isothermal Amplification Assay for Serogroup Identification of Neisseria meningitidis in Cerebrospinal Fluid. Frontiers in Microbiology, 2015, 6, 1548.	3.5	28
33	RNA Helicase Activity of Escherichia coli SecA Protein. Biochemical and Biophysical Research Communications, 1997, 235, 593-597.	2.1	27
34	Classification of hybrid and altered Vibrio cholerae strains by CTX prophage and RS1 element structure. Journal of Microbiology, 2009, 47, 783-788.	2.8	27
35	Replication of <i>Vibrio cholerae</i> classical CTX phage. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2343-2348.	7.1	27
36	Development of a Novel Loop-Mediated Isothermal Amplification Method to Detect Guiana Extended-Spectrum (GES) β -Lactamase Genes in Pseudomonas aeruginosa. Frontiers in Microbiology, 2019, 10, 25.	3.5	27

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37	Molecular Characterization of Enterotoxigenic Escherichia coli Strains Isolated from Diarrheal Patients in Korea during 2003–2011. PLoS ONE, 2014, 9, e96896.	2.5	24
38	Anti-inflammatory activity of Sedum kamschaticum. Journal of Ethnopharmacology, 2004, 90, 409-414.	4.1	22
39	CTX Prophages in Vibrio cholerae O1 Strains. Journal of Microbiology and Biotechnology, 2014, 24, 725-731.	2.1	22
40	Shigella Outer Membrane Protein PSSP-1 Is Broadly Protective against Shigella Infection. Vaccine Journal, 2015, 22, 381-388.	3.1	21
41	Cross-Protective Shigella Whole-Cell Vaccine With a Truncated O-Polysaccharide Chain. Frontiers in Microbiology, 2018, 9, 2609.	3.5	21
42	OspF directly attenuates the activity of extracellular signal-regulated kinase during invasion by Shigella flexneri in human dendritic cells. Molecular Immunology, 2008, 45, 3295-3301.	2.2	20
43	Characteristics of a pandemic clone of O3:H6 and O4:H6 Vibrio parahaemolyticus isolated in Beira, Mozambique. Journal of Medical Microbiology, 2008, 57, 1502-1507.	1.8	20
44	Global Phylogeny of Shigella sonnei 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. Journal of Clinical Microbiology, 2013, 51, 303-305.	3.9	20
45	Intranasal immunization with pneumococcal surface protein A in the presence of nanoparticle forming polysorbitol transporter adjuvant induces protective immunity against the Streptococcus pneumoniae infection. Acta Biomaterialia, 2019, 90, 362-372.	8.3	20
46	Classical RS1 and environmental RS1 elements in Vibrio cholerae O1 El Tor strains harbouring a tandem repeat of CTX prophage: revisiting Mozambique in 2005. Journal of Medical Microbiology, 2010, 59, 302-308.	1.8	19
47	A human pathogenic bacterium <i>Shigella</i> proliferates in plants through adoption of type III effectors for shigellosis. Plant, Cell and Environment, 2019, 42, 2962-2978.	5.7	18
48	Anti-inflammatory activity of Elsholtzia splendens. Archives of Pharmacal Research, 2003, 26, 232-236.	6.3	16
49	Alterations in glucose metabolism in Vibrio cholerae serogroup O1 El Tor biotype strains. Scientific Reports, 2020, 10, 308.	3.3	16
50	Sublingual administration of bacteria-expressed influenza virus hemagglutinin 1 (HA1) induces protection against infection with 2009 pandemic H1N1 influenza virus. Journal of Microbiology, 2013, 51, 130-135.	2.8	14
51	Molecular Serotype-Specific Identification of Non-type b Haemophilus influenzae by Loop-Mediated Isothermal Amplification. Frontiers in Microbiology, 2017, 8, 1877.	3.5	12
52	VicPred: A Vibrio cholerae Genotype Prediction Tool. Frontiers in Microbiology, 2021, 12, 691895.	3.5	12
53	Isolation of Salmonella enterica subspecies enterica serovar Paratyphi B dT+, or Salmonella Java, from Indonesia and alteration of the d-tartrate fermentation phenotype by disrupting the ORF STM 3356. Journal of Medical Microbiology, 2006, 55, 1661-1665.	1.8	12
54	Detection of Mycobacterium tuberculosis complex in sputum specimens using a loop-mediated isothermal amplification assay in Korea. Journal of Medical Microbiology, 2015, 64, 1335-1340.	1.8	11

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55	Molecular serotype-specific identification of <i>Streptococcus pneumoniae</i> using loop-mediated isothermal amplification. <i>Scientific Reports</i> , 2019, 9, 19823.	3.3	10
56	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
57	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
58	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
59	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
60	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
61	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
62	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
63	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
64	Circulating Gut-Homing ($\hat{I} \pm 4$) $\hat{I}^2 7$ $\langle \sup \rangle + \langle \sup \rangle$) 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
65	Draft Genome Sequence of <i>Klebsiella pneumoniae</i> subsp. <i>pneumoniae</i> DSM 30104 $\langle \sup \rangle T \langle \sup \rangle$. <i>Journal of Bacteriology</i> , 2012, 194, 5722-5723.	2.2	3
66	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
67	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
68	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