

Lei Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9301193/publications.pdf>

Version: 2024-02-01

62
papers

2,899
citations

201674

27
h-index

175258

52
g-index

64
all docs

64
docs citations

64
times ranked

3550
citing authors

#	ARTICLE	IF	CITATIONS
1	Elucidation of a complete mechanical signaling and virulence activation pathway in enterohemorrhagic <i>Escherichia coli</i> . <i>Cell Reports</i> , 2022, 39, 110614.	6.4	13
2	Characterization of the O-antigen gene clusters and development of a molecular serotyping method for <i>Vibrio fluvialis</i> . <i>International Journal of Food Microbiology</i> , 2022, 370, 109665.	4.7	0
3	Bladder epithelial cell phosphate transporter inhibition protects mice against uropathogenic <i>Escherichia coli</i> infection. <i>Cell Reports</i> , 2022, 39, 110698.	6.4	14
4	Bacteria reduce flagellin synthesis to evade microglia-astrocyte-driven immunity in the brain. <i>Cell Reports</i> , 2022, 40, 111033.	6.4	7
5	<i>Salmonella</i> Typhimurium reprograms macrophage metabolism via T3SS effector SopE2 to promote intracellular replication and virulence. <i>Nature Communications</i> , 2021, 12, 879.	12.8	74
6	A fructose/H ⁺ symporter controlled by a LacI-type regulator promotes survival of pandemic <i>Vibrio cholerae</i> in seawater. <i>Nature Communications</i> , 2021, 12, 4649.	12.8	6
7	Attachment of Enterohemorrhagic <i>Escherichia coli</i> to Host Cells Reduces O Antigen Chain Length at the Infection Site That Promotes Infection. <i>MBio</i> , 2021, 12, e0269221.	4.1	2
8	Living Trees: High-Quality Reproducible and Reusable Construction of Bacterial Phylogenetic Trees. <i>Molecular Biology and Evolution</i> , 2020, 37, 563-575.	8.9	17
9	Structure and genetics of <i>Escherichia coli</i> O antigens. <i>FEMS Microbiology Reviews</i> , 2020, 44, 655-683.	8.6	143
10	A gene cluster at an unusual chromosomal location responsible for the novel O-antigen synthesis in <i>Escherichia coli</i> O62 by the ABC transporter-dependent pathway. <i>Glycobiology</i> , 2017, 27, 669-676.	2.5	20
11	A <i>gyrB</i> oligonucleotide microarray for the specific detection of pathogenic <i>Legionella</i> and three <i>Legionella pneumophila</i> subsp.. <i>Antonie Van Leeuwenhoek</i> , 2017, 110, 1515-1525.	1.7	1
12	Signal transduction pathway mediated by the novel regulator <i>LoiA</i> for low oxygen tension induced <i>Salmonella</i> Typhimurium invasion. <i>PLoS Pathogens</i> , 2017, 13, e1006429.	4.7	67
13	Genetic diversity of the O antigens of <i>Proteus</i> species and the development of a suspension array for molecular serotyping. <i>PLoS ONE</i> , 2017, 12, e0183267.	2.5	24
14	Genetic Diversity of O-Antigens in <i>Hafnia alvei</i> and the Development of a Suspension Array for Serotype Detection. <i>PLoS ONE</i> , 2016, 11, e0155115.	2.5	8
15	Simple Phenotypic Sweeps Hide Complex Genetic Changes in Populations. <i>Genome Biology and Evolution</i> , 2015, 7, 531-544.	2.5	16
16	Structural comparison of O-antigen gene clusters of <i>Legionella pneumophila</i> and its application of a serogroup-specific multiplex PCR assay. <i>Antonie Van Leeuwenhoek</i> , 2015, 108, 1405-1423.	1.7	3
17	Structural diversity in <i>Salmonella</i> O antigens and its genetic basis. <i>FEMS Microbiology Reviews</i> , 2014, 38, 56-89.	8.6	175
18	Genome characteristics reveal the impact of lichenization on lichen-forming fungus <i>Endocarpon pusillum</i> Hedwig (Verrucariales, Ascomycota). <i>BMC Genomics</i> , 2014, 15, 34.	2.8	79

#	ARTICLE	IF	CITATIONS
19	A New Oligonucleotide Microarray for Detection of Pathogenic and Non-Pathogenic Legionella spp.. PLoS ONE, 2014, 9, e113863.	2.5	11
20	Development of a DNA Microarray Method for Detection and Identification of All 15 Distinct O-Antigen Forms of Legionella pneumophila. Applied and Environmental Microbiology, 2013, 79, 6647-6654.	3.1	20
21	Genome-Wide Analysis of the Salmonella Fis Regulon and Its Regulatory Mechanism on Pathogenicity Islands. PLoS ONE, 2013, 8, e64688.	2.5	29
22	Biochemical characterization of WbdN, a β 1,3-glucosyltransferase involved in O-antigen synthesis in enterohemorrhagic Escherichia coli O157. Glycobiology, 2012, 22, 1092-1102.	2.5	28
23	A novel non-homologous recombination-mediated mechanism for Escherichia coli unilateral flagellar phase variation. Nucleic Acids Research, 2012, 40, 4530-4538.	14.5	21
24	Identification of the two glycosyltransferase genes responsible for the difference between Escherichia coli O107 and O117 O-antigens. Glycobiology, 2012, 22, 281-287.	2.5	9
25	Development of a Multiplex PCR Assay for Detection and Genogrouping of Neisseria meningitidis. Journal of Clinical Microbiology, 2012, 50, 46-51.	3.9	47
26	Genetic Analysis of the Cronobacter sakazakii O4 to O7 O-Antigen Gene Clusters and Development of a PCR Assay for Identification of All C. sakazakii O Serotypes. Applied and Environmental Microbiology, 2012, 78, 3966-3974.	3.1	65
27	Rates of Mutation and Host Transmission for an Escherichia coli Clone over 3 Years. PLoS ONE, 2011, 6, e26907.	2.5	132
28	PCR methods for the rapid detection and identification of four pathogenic Legionella spp. and two Legionella pneumophila subspecies based on the gene amplification of gyrB. Applied Microbiology and Biotechnology, 2011, 91, 777-787.	3.6	16
29	RNA-Seq of the xylose-fermenting yeast Scheffersomyces stipitis cultivated in glucose or xylose. Applied Microbiology and Biotechnology, 2011, 92, 1237-1249.	3.6	30
30	Biochemical Characterization of UDP-Gal:GlcNAc-Pyrophosphate-Lipid β 1,4-Galactosyltransferase WfeD, a New Enzyme from <i>Shigella boydii</i> Type 14 That Catalyzes the Second Step in O-Antigen Repeating-Unit Synthesis. Journal of Bacteriology, 2011, 193, 449-459.	2.2	26
31	Use of a DNA Microarray for Detection and Identification of Bacterial Pathogens Associated with Fishery Products. Applied and Environmental Microbiology, 2011, 77, 8219-8225.	3.1	27
32	Complete Genome Sequence of Staphylococcus aureus T0131, an ST239-MRSA-SCC <i>mecA</i> Type III Clone Isolated in China. Journal of Bacteriology, 2011, 193, 3411-3412.	2.2	51
33	Divergence Involving Global Regulatory Gene Mutations in an Escherichia coli Population Evolving under Phosphate Limitation. Genome Biology and Evolution, 2010, 2, 478-487.	2.5	82
34	The Variation of O Antigens in Gram-Negative Bacteria. Sub-Cellular Biochemistry, 2010, 53, 123-152.	2.4	79
35	Derivation of Escherichia coli O157:H7 from Its O55:H7 Precursor. PLoS ONE, 2010, 5, e8700.	2.5	109
36	Genomic Identification of a Novel Mutation in <i>hfq</i> That Provides Multiple Benefits in Evolving Glucose-Limited Populations of <i>Escherichia coli</i> . Journal of Bacteriology, 2010, 192, 4517-4521.	2.2	21

#	ARTICLE	IF	CITATIONS
37	Characterization of the CDP-2-Glycerol Biosynthetic Pathway in <i>Streptococcus pneumoniae</i> . Journal of Bacteriology, 2010, 192, 5506-5514.	2.2	8
38	Molecular and Genetic Analyses of the Putative <i>Proteus</i> O Antigen Gene Locus. Applied and Environmental Microbiology, 2010, 76, 5471-5478.	3.1	16
39	Genetic and structural relationships of Salmonella O55 and Escherichia coli O103 O-antigens and identification of a 3-hydroxybutanoyltransferase gene involved in the synthesis of a Fuc3N derivative. Glycobiology, 2010, 20, 679-688.	2.5	25
40	Genetic Study of Capsular Switching between Neisseria meningitidis Sequence Type 7 Serogroup A and C Strains. Infection and Immunity, 2010, 78, 3883-3888.	2.2	22
41	Complete Genome Sequence of <i>Enterobacter cloacae</i> subsp. <i>cloacae</i> Type Strain ATCC 13047. Journal of Bacteriology, 2010, 192, 2463-2464.	2.2	123
42	A multiplex PCR method to detect 14 Escherichia coli serogroups associated with urinary tract infections. Journal of Microbiological Methods, 2010, 82, 71-77.	1.6	91
43	Development of a serogroup-specific multiplex PCR assay to detect a set of Escherichia coli serogroups based on the identification of their O-antigen gene clusters. Molecular and Cellular Probes, 2010, 24, 286-290.	2.1	38
44	Detection of <i>Enterobacter sakazakii</i> and Other Pathogens Associated with Infant Formula Powder by Use of a DNA Microarray. Journal of Clinical Microbiology, 2009, 47, 3178-3184.	3.9	48
45	Research progress in genomics of environmental and industrial microorganisms. Science in China Series C: Life Sciences, 2009, 52, 64-73.	1.3	7
46	Genomic Sequencing Reveals Regulatory Mutations and Recombinational Events in the Widely Used MC4100 Lineage of <i>Escherichia coli</i> K-12. Journal of Bacteriology, 2009, 191, 4025-4029.	2.2	98
47	Encapsulated in silica: genome, proteome and physiology of the thermophilic bacterium Anoxybacillus flavithermus WK1. Genome Biology, 2008, 9, R161.	9.6	71
48	Crystal Structure of Long-Chain Alkane Monooxygenase (LadA) in Complex with Coenzyme FMN: Unveiling the Long-Chain Alkane Hydroxylase. Journal of Molecular Biology, 2008, 376, 453-465.	4.2	163
49	A Recalibrated Molecular Clock and Independent Origins for the Cholera Pandemic Clones. PLoS ONE, 2008, 3, e4053.	2.5	140
50	DNA Microarray-Based Identification of Serogroups and Virulence Gene Patterns of Escherichia coli Isolates Associated with Porcine Postweaning Diarrhea and Edema Disease. Applied and Environmental Microbiology, 2007, 73, 4082-4088.	3.1	38
51	Development of a DNA microarray to identify the Streptococcus pneumoniae serotypes contained in the 23-valent pneumococcal polysaccharide vaccine and closely related serotypes. Journal of Microbiological Methods, 2007, 68, 128-136.	1.6	31
52	Structural and genetic characterization of Shigella boydii type 17 O antigen and confirmation of two new genes involved in the synthesis of glucolactilic acid. Biochemical and Biophysical Research Communications, 2006, 349, 289-295.	2.1	9
53	Structural and molecular characterization of Shigella boydii type 16 O antigen. Gene, 2006, 380, 46-53.	2.2	13
54	Development of a Serotype-Specific DNA Microarray for Identification of Some Shigella and Pathogenic Escherichia coli Strains. Journal of Clinical Microbiology, 2006, 44, 4376-4383.	3.9	63

#	ARTICLE	IF	CITATIONS
55	Characterization of Escherichia coli O86 O-antigen gene cluster and identification of O86-specific genes. <i>Veterinary Microbiology</i> , 2005, 106, 241-248.	1.9	27
56	Development of PCR Assays Targeting the Genes Involved in Synthesis and Assembly of the New Escherichia coli O174 and O177 O Antigens. <i>Journal of Clinical Microbiology</i> , 2005, 43, 5143-5149.	3.9	24
57	Structural and Genetic Characterization of the Shigella boydii Type 10 and Type 6 O Antigens. <i>Journal of Bacteriology</i> , 2005, 187, 2551-2554.	2.2	19
58	Sequence Analysis of the Escherichia coli O15 Antigen Gene Cluster and Development of a PCR Assay for Rapid Detection of Intestinal and Extraintestinal Pathogenic E. coli O15 Strains. <i>Journal of Clinical Microbiology</i> , 2005, 43, 703-710.	3.9	27
59	Structural and Genetic Characterization of Enterohemorrhagic Escherichia coli O145 O Antigen and Development of an O145 Serogroup-Specific PCR Assay. <i>Journal of Bacteriology</i> , 2005, 187, 758-764.	2.2	61
60	Structural and genetic characterization of the Shigella boydii type 18 O antigen. <i>Gene</i> , 2005, 355, 79-86.	2.2	26
61	The O-antigen gene cluster of Shigella boydii O11 and functional identification of its wzy gene. <i>FEMS Microbiology Letters</i> , 2004, 234, 125-132.	1.8	10
62	Organization of <i>Escherichia coli</i> O157 O Antigen Gene Cluster and Identification of Its Specific Genes. <i>Infection and Immunity</i> , 1998, 66, 3545-3551.	2.2	229