

# Quan Wang

## List of Publications by Year in descending order

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39  
papers

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471061  
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525886  
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#	ARTICLE	IF	CITATIONS
1	Structure and genetics of <i>Escherichia coli</i> O antigens. <i>FEMS Microbiology Reviews</i> , 2020, 44, 655-683.	3.9	143
2	A molecular-capsular-type prediction system for 90 <i>Streptococcus pneumoniae</i> serotypes using partial <i>cpsA-cpsB</i> sequencing and <i>wzy</i> - or <i>wzx</i> -specific PCR. <i>Journal of Medical Microbiology</i> , 2005, 54, 351-356.	0.7	52
3	Systematic Identification of Lysine 2-hydroxyisobutyrylated Proteins in <i>Proteus mirabilis</i> . <i>Molecular and Cellular Proteomics</i> , 2018, 17, 482-494.	2.5	43
4	Development of a serogroup-specific multiplex PCR assay to detect a set of <i>Escherichia coli</i> serogroups based on the identification of their O-antigen gene clusters. <i>Molecular and Cellular Probes</i> , 2010, 24, 286-290.	0.9	38
5	Cytotoxic necrotizing factor 1 promotes prostate cancer progression through activating the Cdc42-PAK1 axis. <i>Journal of Pathology</i> , 2017, 243, 208-219.	2.1	37
6	Structural and genetic evidence that the <i>Escherichia coli</i> O148 O antigen is the precursor of the <i>Shigella dysenteriae</i> type 1 O antigen and identification of a glucosyltransferase gene. <i>Microbiology (United Kingdom)</i> , 2007, 153, 139-147.	0.7	36
7	Relationship between O-antigen subtypes, bacterial surface structures and O-antigen gene clusters in <i>Escherichia coli</i> O123 strains carrying genes for Shiga toxins and intimin. <i>Journal of Medical Microbiology</i> , 2007, 56, 177-184.	0.7	32
8	Alpha-hemolysin of uropathogenic <i>Escherichia coli</i> induces GM-CSF-mediated acute kidney injury. <i>Mucosal Immunology</i> , 2020, 13, 22-33.	2.7	32
9	Development of a DNA microarray to identify the <i>Streptococcus pneumoniae</i> serotypes contained in the 23-valent pneumococcal polysaccharide vaccine and closely related serotypes. <i>Journal of Microbiological Methods</i> , 2007, 68, 128-136.	0.7	31
10	A Ligand-observed Mass Spectrometry Approach Integrated into the Fragment Based Lead Discovery Pipeline. <i>Scientific Reports</i> , 2015, 5, 8361.	1.6	28
11	Characterization of <i>Escherichia coli</i> O86 O-antigen gene cluster and identification of O86-specific genes. <i>Veterinary Microbiology</i> , 2005, 106, 241-248.	0.8	27
12	Characterization of the dTDP- <i>scp</i> -d- <i>scp</i> - <i>afu</i> fucose biosynthetic pathway in <i>Escherichia coli</i> O52. <i>Molecular Microbiology</i> , 2008, 70, 1358-1367.	1.2	27
13	Development of a DNA Microarray for Detection and Serotyping of Enterotoxigenic <i>Escherichia coli</i> . <i>Journal of Clinical Microbiology</i> , 2010, 48, 2066-2074.	1.8	27
14	Use of a Serotype-Specific DNA Microarray for Identification of Group B <i>Streptococcus</i> ( <i>Streptococcus agalactiae</i> ). <i>Journal of Clinical Microbiology</i> , 2006, 44, 1447-1452.	1.8	25
15	Genetic Study of Capsular Switching between <i>Neisseria meningitidis</i> Sequence Type 7 Serogroup A and C Strains. <i>Infection and Immunity</i> , 2010, 78, 3883-3888.	1.0	22
16	Cytotoxic necrotizing factor 1 promotes bladder cancer angiogenesis through activating RhoC. <i>FASEB Journal</i> , 2020, 34, 7927-7940.	0.2	20
17	Cytotoxic Necrotizing Factor 1 Downregulates CD36 Transcription in Macrophages to Induce Inflammation During Acute Urinary Tract Infections. <i>Frontiers in Immunology</i> , 2018, 9, 1987.	2.2	19
18	Molecular and Genetic Analyses of the Putative <i>Proteus</i> O Antigen Gene Locus. <i>Applied and Environmental Microbiology</i> , 2010, 76, 5471-5478.	1.4	16

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19	Genetic and structural analyses of Escherichia coli O107 and O117 O-antigens. FEMS Immunology and Medical Microbiology, 2009, 55, 47-54.	2.7	15
20	An infection-induced RhoB-Beclin 1-Hsp90 complex enhances clearance of uropathogenic Escherichia coli. Nature Communications, 2021, 12, 2587.	5.8	14
21	Structure elucidation and gene cluster annotation of the O-antigen of Escherichia coli O39; application of anhydrous trifluoroacetic acid for selective cleavage of glycosidic linkages. Carbohydrate Research, 2014, 388, 30-36.	1.1	13
22	Structure and gene cluster of the O antigen of Escherichia coli L-19, a candidate for a new O-serogroup. Microbiology (United Kingdom), 2014, 160, 2102-2107.	0.7	12
23	A High-resolution Typing Assay for Uropathogenic Escherichia coli Based on Fimbrial Diversity. Frontiers in Microbiology, 2016, 7, 623.	1.5	12
24	Compounds targeting YadC of uropathogenic Escherichia coli and its host receptor annexin A2 decrease bacterial colonization in bladder. EBioMedicine, 2019, 50, 23-33.	2.7	11
25	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.	1.0	9
26	Identification of the two glycosyltransferase genes responsible for the difference between Escherichia coli O107 and O117 O-antigens. Glycobiology, 2012, 22, 281-287.	1.3	9
27	Structure of the O-polysaccharide of Escherichia coli O61, Another E. coli O-antigen That Contains 5,7-Diacetamido-3,5,7,9-tetradeoxy-l-glycero-D-galacto-non-2-ulosonic (Di-N-acetyl-8-epilegionaminic) Acid. Journal of Carbohydrate Chemistry, 2009, 28, 463-472.	0.4	8
28	Characterization of the CDP-2-Glycerol Biosynthetic Pathway in Streptococcus pneumoniae. Journal of Bacteriology, 2010, 192, 5506-5514.	1.0	8
29	Structural and genetic characterization of the Escherichia coli O180 O antigen and identification of a UDP-GlcNAc 6-dehydrogenase. Glycobiology, 2012, 22, 1321-1331.	1.3	6
30	Biochemical Characterization of the CDP-D-Arabinitol Biosynthetic Pathway in Streptococcus pneumoniae 17F. Journal of Bacteriology, 2012, 194, 1868-1874.	1.0	5
31	MicroRNA-1297 suppressed the Akt/GSK3 $\beta$ signaling pathway and stimulated neural apoptosis in an <i>in vivo</i> sevoflurane exposure model. Journal of International Medical Research, 2021, 49, 030006052098210.	0.4	5
32	Interactions of Bacterial Toxin CNF1 and Host JAK1/2 Driven by Liquid-Liquid Phase Separation Enhance Macrophage Polarization. MBio, 2022, 13, .	1.8	4
33	Characterization of the CDP-d-mannitol biosynthetic pathway in Streptococcus pneumoniae 35A. Glycobiology, 2012, 22, 1760-1767.	1.3	3
34	Engineering a highly thermostable and stress tolerant superoxide dismutase by N-terminal modification and metal incorporation. Biotechnology and Bioprocess Engineering, 2017, 22, 725-733.	1.4	3
35	Structure and gene cluster of the O-antigen of Escherichia coli O36. Carbohydrate Research, 2014, 390, 46-49.	1.1	2
36	Structural and genetic studies of the O-antigen of Escherichia coli O163. Carbohydrate Research, 2015, 404, 34-38.	1.1	2

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37	Structure and gene cluster of the O-antigen of Escherichia coli O140. Carbohydrate Research, 2015, 411, 33-36.	1.1	2
38	Structures and gene clusters of the closely related O-antigens of Escherichia coli O46 and O134, both containing d-glucuronoyl-d-allothreonine. Carbohydrate Research, 2015, 409, 20-24.	1.1	2
39	Diagnostic Value of the Fimbriae Distribution Pattern in Localization of Urinary Tract Infection. Frontiers in Medicine, 2021, 8, 602691.	1.2	2