

Quan Wang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38
papers

548
citations

14
h-index

22
g-index

42
ext. papers

692
ext. citations

5
avg, IF

3.23
L-index

#	Paper	IF	Citations
38	MicroRNA-1297 suppressed the Akt/GSK3 signaling pathway and stimulated neural apoptosis in an sevoflurane exposure model. <i>Journal of International Medical Research</i> , 2021 , 49, 300060520982104	1.4	3
37	An infection-induced RhoB-Beclin 1-Hsp90 complex enhances clearance of uropathogenic Escherichia coli. <i>Nature Communications</i> , 2021 , 12, 2587	17.4	2
36	Diagnostic Value of the Fimbriae Distribution Pattern in Localization of Urinary Tract Infection. <i>Frontiers in Medicine</i> , 2021 , 8, 602691	4.9	1
35	Alpha-hemolysin of uropathogenic Escherichia coli induces GM-CSF-mediated acute kidney injury. <i>Mucosal Immunology</i> , 2020 , 13, 22-33	9.2	12
34	Structure and genetics of Escherichia coli O antigens. <i>FEMS Microbiology Reviews</i> , 2020 , 44, 655-683	15.1	49
33	Cytotoxic necrotizing factor 1 promotes bladder cancer angiogenesis through activating RhoC. <i>FASEB Journal</i> , 2020 , 34, 7927-7940	0.9	6
32	Compounds targeting YadC of uropathogenic Escherichia coli and its host receptor annexin A2 decrease bacterial colonization in bladder. <i>EBioMedicine</i> , 2019 , 50, 23-33	8.8	6
31	Systematic Identification of Lysine 2-hydroxyisobutyrylated Proteins in. <i>Molecular and Cellular Proteomics</i> , 2018 , 17, 482-494	7.6	26
30	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	8.4	13
29	Cytotoxic necrotizing factor 1 promotes prostate cancer progression through activating the Cdc42-PAK1 axis. <i>Journal of Pathology</i> , 2017 , 243, 208-219	9.4	20
28	Engineering a highly thermostable and stress tolerant superoxide dismutase by N-terminal modification and metal incorporation. <i>Biotechnology and Bioprocess Engineering</i> , 2017 , 22, 725-733	3.1	1
27	A High-resolution Typing Assay for Uropathogenic Escherichia coli Based on Fimbrial Diversity. <i>Frontiers in Microbiology</i> , 2016 , 7, 623	5.7	10
26	Structure and gene cluster of the O-antigen of Escherichia coli O140. <i>Carbohydrate Research</i> , 2015 , 411, 33-6	2.9	2
25	Structures and gene clusters of the closely related O-antigens of Escherichia coli O46 and O134, both containing D-glucuronoyl-D-allothreonine. <i>Carbohydrate Research</i> , 2015 , 409, 20-4	2.9	2
24	A ligand-observed mass spectrometry approach integrated into the fragment based lead discovery pipeline. <i>Scientific Reports</i> , 2015 , 5, 8361	4.9	23
23	Structural and genetic studies of the O-antigen of Escherichia coli O163. <i>Carbohydrate Research</i> , 2015 , 404, 34-8	2.9	2
22	Structure and gene cluster of the O antigen of Escherichia coli L-19, a candidate for a new O-serogroup. <i>Microbiology (United Kingdom)</i> , 2014 , 160, 2102-2107	2.9	11

21	Structure and gene cluster of the O-antigen of Escherichia coli O36. <i>Carbohydrate Research</i> , 2014 , 390, 46-9	2.9	2
20	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. <i>Carbohydrate Research</i> , 2014 , 388, 30-6	2.9	12
19	Biochemical characterization of the CDP-D-arabinitol biosynthetic pathway in Streptococcus pneumoniae 17F. <i>Journal of Bacteriology</i> , 2012 , 194, 1868-74	3.5	5
18	Structural and genetic characterization of the Escherichia coli O180 O antigen and identification of a UDP-GlcNAc 6-dehydrogenase. <i>Glycobiology</i> , 2012 , 22, 1321-31	5.8	4
17	Characterization of the CDP-D-mannitol biosynthetic pathway in Streptococcus pneumoniae 35A. <i>Glycobiology</i> , 2012 , 22, 1760-7	5.8	2
16	Identification of the two glycosyltransferase genes responsible for the difference between Escherichia coli O107 and O117 O-antigens. <i>Glycobiology</i> , 2012 , 22, 281-7	5.8	9
15	Characterization of the CDP-2-glycerol biosynthetic pathway in Streptococcus pneumoniae. <i>Journal of Bacteriology</i> , 2010 , 192, 5506-14	3.5	8
14	Molecular and genetic analyses of the putative Proteus O antigen gene locus. <i>Applied and Environmental Microbiology</i> , 2010 , 76, 5471-8	4.8	14
13	Development of a DNA microarray for detection and serotyping of enterotoxigenic Escherichia coli. <i>Journal of Clinical Microbiology</i> , 2010 , 48, 2066-74	9.7	27
12	Genetic study of capsular switching between Neisseria meningitidis sequence type 7 serogroup A and C strains. <i>Infection and Immunity</i> , 2010 , 78, 3883-8	3.7	18
11	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. <i>Molecular and Cellular Probes</i> , 2010 , 24, 286-90	3.3	27
10	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. <i>Journal of Carbohydrate Chemistry</i> , 2009 , 28, 463-472	1.7	8
9	Genetic and structural analyses of Escherichia coli O107 and O117 O-antigens. <i>FEMS Immunology and Medical Microbiology</i> , 2009 , 55, 47-54		14
8	Characterization of the dTDP-D-fucofuranose biosynthetic pathway in Escherichia coli O52. <i>Molecular Microbiology</i> , 2008 , 70, 1358-67	4.1	19
7	Relationship between O-antigen subtypes, bacterial surface structures and O-antigen gene clusters in Escherichia coli O123 strains carrying genes for Shiga toxins and intimin. <i>Journal of Medical Microbiology</i> , 2007 , 56, 177-184	3.2	27
6	Development of a DNA microarray to identify the Streptococcus pneumoniae serotypes contained in the 23-valent pneumococcal polysaccharide vaccine and closely related serotypes. <i>Journal of Microbiological Methods</i> , 2007 , 68, 128-36	2.8	27
5	Structural and genetic evidence that the Escherichia coli O148 O antigen is the precursor of the Shigella dysenteriae type 1 O antigen and identification of a glucosyltransferase gene. <i>Microbiology (United Kingdom)</i> , 2007 , 153, 139-147	2.9	34
4	Use of a serotype-specific DNA microarray for identification of group B Streptococcus (Streptococcus agalactiae). <i>Journal of Clinical Microbiology</i> , 2006 , 44, 1447-52	9.7	22

3	Structural and genetic characterization of <i>Shigella boydii</i> type 17 O antigen and confirmation of two new genes involved in the synthesis of gluco-lactilic acid. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 349, 289-95	3.4	8
2	Characterization of <i>Escherichia coli</i> O86 O-antigen gene cluster and identification of O86-specific genes. <i>Veterinary Microbiology</i> , 2005 , 106, 241-8	3.3	25
1	A molecular-capsular-type prediction system for 90 <i>Streptococcus pneumoniae</i> serotypes using partial cpsA-cpsB sequencing and wzy- or wzx-specific PCR. <i>Journal of Medical Microbiology</i> , 2005 , 54, 351-356	3.2	46