Victoria Korolik

List of Publications by Year
in descending order

55 papers	2,421 citations	331670 21 h-index	214800 47 g-index
58 all docs	58 docs citations	58 times ranked	3320 citing authors

#	Article	IF	Citations
1	Inhibition of Bacterial Biofilm Formation and Swarming Motility by a Small Synthetic Cationic Peptide. Antimicrobial Agents and Chemotherapy, 2012, 56, 2696-2704.	3.2	388
2	MUC1 cell surface mucin is a critical element of the mucosal barrier to infection. Journal of Clinical Investigation, 2007, 117, 2313-2324.	8.2	351
3	Antibiotic resistance and resistance mechanisms in<i>Campylobacter jejuni</i>and<i>Campylobacter coli</i>. FEMS Microbiology Letters, 2007, 277, 123-132.	1.8	201
4	The galE Gene of Campylobacter jejuni Is Involved in Lipopolysaccharide Synthesis and Virulence. Infection and Immunity, 2000, 68, 2594-2601.	2.2	126
5	Tetracycline resistance of Australian Campylobacter jejuni and Campylobacter coli isolates. Journal of Antimicrobial Chemotherapy, 2005, 55, 452-460.	3.0	96
6	Glycan:glycan interactions: High affinity biomolecular interactions that can mediate binding of pathogenic bacteria to host cells. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E7266-75.	7.1	96
7	Differential Carbohydrate Recognition by Campylobacter jejuni Strain 11168: Influences of Temperature and Growth Conditions. PLoS ONE, 2009, 4, e4927.	2.5	95
8	Characterisation of a Multi-ligand Binding Chemoreceptor CcmL (Tlp3) of Campylobacter jejuni. PLoS Pathogens, 2014, 10, e1003822.	4.7	95
9	Identification and characterization of the aspartate chemosensory receptor of <i>Campylobacter jejuni</i>. Molecular Microbiology, 2010, 75, 710-730.	2.5	94
10	Characteristics of the aerobic respiratory chains of the microaerophiles Campylobacter jejuni and Helicobacter pylori. Archives of Microbiology, 2000, 174, 1-10.	2.2	91
11	The lipopolysaccharide biosynthesis locus of Campylobacter jejuni 81116. Microbiology (United) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.8	82
12	Isolation and Expression of a Novel Molecular Class D Î²-Lactamase, OXA-61, from Campylobacter jejuni. Antimicrobial Agents and Chemotherapy, 2005, 49, 2515-2518.	3.2	68
13	A direct-sensing galactose chemoreceptor recently evolved in invasive strains of Campylobacter jejuni. Nature Communications, 2016, 7, 13206.	12.8	49
14	Glycoconjugates Play a Key Role in Campylobacter jejuni Infection: Interactions between Host and Pathogen. Frontiers in Cellular and Infection Microbiology, 2012, 2, 9.	3.9	41
15	The role of chemotaxis during Campylobacter jejuni colonisation and pathogenesis. Current Opinion in Microbiology, 2019, 47, 32-37.	5.1	33
16	Variation of chemosensory receptor content of Campylobacter jejuni strains and modulation of receptor gene expression under different in vivo and in vitro growth conditions. BMC Microbiology, 2012, 12, 128.	3.3	29
17	The <i>Campylobacter jejuni</i> chemoreceptor Tlp10 has a bimodal ligand-binding domain and specificity for multiple classes of chemoeffectors. Science Signaling, 2021, 14, .	3.6	29
18	Campylobacter jejuni Dps Protein Binds DNA in the Presence of Iron or Hydrogen Peroxide. Journal of Bacteriology, 2013, 195, 1970-1978.	2.2	28

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19	MBDS Solvent: An Improved Method for Assessment of Biofilms. Advances in Microbiology, 2013, 03, 200-204.	0.6	27
20	Comparison of 2-day-old and 14-day-old chicken colonization models forCampylobacter jejuni. FEMS Immunology and Medical Microbiology, 2007, 49, 155-158.	2.7	26
21	Phosphonate catabolism by Campylobacter spp.. Archives of Microbiology, 2005, 183, 113-120.	2.2	22
22	Expression of Campylobacter hyoilei lipo-oligosaccharide (LOS) antigens in Escherichia coli. Microbiology (United Kingdom), 1997, 143, 3481-3489.	1.8	20
23	Bridging the Gap: A Role for Campylobacter jejuni Biofilms. Microorganisms, 2020, 8, 452.	3.6	20
24	Regulatory T cells may participate in <i>Helicobacter pylori</i> persistence in gastric MALT lymphoma: lessons from an animal model. Oncotarget, 2016, 7, 3394-3402.	1.8	20
25	Campylobacter Biofilms: Potential of Natural Compounds to Disrupt Campylobacter jejuni Transmission. International Journal of Molecular Sciences, 2021, 22, 12159.	4.1	20
26	Temperature-dependent phenotypic variation of Campylobacter jejuni lipooligosaccharides. BMC Microbiology, 2010, 10, 305.	3.3	18
27	Assessment of glycan interactions of clinical and avian isolates of Campylobacter jejuni. BMC Microbiology, 2013, 13, 228.	3.3	18
28	Potential use of characterised hyper-colonising strain(s) of Campylobacter jejuni to reduce circulation of environmental strains in commercial poultry. Veterinary Microbiology, 2009, 134, 353-361.	1.9	17
29	Sequence analysis of a cryptic plasmid pCJ419 from Campylobacter jejuni and construction of an Escherichia coliâ€"Campylobacter shuttle vector. Plasmid, 2003, 50, 152-160.	1.4	16
30	A New Animal Model of Gastric Lymphomagenesis. American Journal of Pathology, 2017, 187, 1473-1484.	3.8	16
31	Inhibition of Campylobacter jejuni Biofilm Formation by D-Amino Acids. Antibiotics, 2020, 9, 836.	3.7	16
32	Structural Heterogeneity of Terminal Glycans in Campylobacter jejuni Lipooligosaccharides. PLoS ONE, 2012, 7, e40920.	2.5	16
33	Deregulation of MicroRNAs in Gastric Lymphomagenesis Induced in the d3Tx Mouse Model of Helicobacter pylori Infection. Frontiers in Cellular and Infection Microbiology, 2017, 7, 185.	3.9	14
34	The dCache Chemoreceptor TlpA of Helicobacter pylori Binds Multiple Attractant and Antagonistic Ligands via Distinct Sites. MBio, 2021, 12, e0181921.	4.1	14
35	Assigning a role for chemosensory signal transduction in Campylobacter jejuni biofilms using a combined omics approach. Scientific Reports, 2020, 10, 6829.	3.3	11
36	Characterisation of inflammatory processes in Helicobacter pylori-induced gastric lymphomagenesis in a mouse model. Oncotarget, 2015, 6, 34525-34536.	1.8	11

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37	Aspartate chemosensory receptor signalling inCampylobacter jejuni. Virulence, 2010, 1, 414-417.	4.4	10
38	Cytolethal distending toxin induces the formation of transient messenger-rich ribonucleoprotein nuclear invaginations in surviving cells. PLoS Pathogens, 2019, 15, e1007921.	4.7	10
39	Identification of putative zinc hydrolase genes of the metallo-Î²-lactamase superfamily fromCampylobacter jejuni. FEMS Immunology and Medical Microbiology, 2007, 49, 159-164.	2.7	9
40	Carbohydrate binding and gene expression by <i>in vitro</i> and <i>in vivo</i> propagated <i>Campylobacter jejuni</i> after Immunomagnetic Separation. Journal of Basic Microbiology, 2013, 53, 240-250.	3.3	8
41	New approach to distinguishing chemoattractants, chemorepellents and catabolised chemoeffectors for Campylobacter jejuni. Journal of Microbiological Methods, 2018, 146, 83-91.	1.6	8
42	A peculiar case of Campylobacter jejuni attenuated aspartate chemosensory mutant, able to cause pathology and inflammation in avian and murine model animals. Scientific Reports, 2018, 8, 12594.	3.3	8
43	Chemosensory Signal Transduction Pathway of Campylobacter jejuni. , 2014, , 351-366.		7
44	Identification of Specific Ligands for Sensory Receptors by Small-Molecule Ligand Arrays and Surface Plasmon Resonance. Methods in Molecular Biology, 2018, 1729, 303-317.	0.9	7
45	Antibacterial proteins from porcine polymorphonuclear neutrophils. Immunology and Cell Biology, 1995, 73, 38-43.	2.3	6
46	Characterization of Ligandâ€“Receptor Interactions: Chemotaxis, Biofilm, Cell Culture Assays, and Animal Model Methodologies. Methods in Molecular Biology, 2017, 1512, 149-161.	0.9	6
47	RNA Sequencing Data Sets Identifying Differentially Expressed Transcripts during Campylobacter jejuni Biofilm Formation. Microbiology Resource Announcements, 2020, 9, .	0.6	5
48	Characterisation of Campylobacter jejuni genes potentially involved in phosphonate degradation. Gut Pathogens, 2009, 1, 13.	3.4	4
49	Two Spatial Chemotaxis Assays: The Nutrient-Depleted Chemotaxis Assay and the Agarose-Plug-Bridge Assay. Methods in Molecular Biology, 2018, 1729, 23-31.	0.9	4
50	Purification of the Campylobacter jejuni Dps protein assisted by its high melting temperature. Protein Expression and Purification, 2015, 111, 105-110.	1.3	3
51	Identification of Ligand-Receptor Interactions: Ligand Molecular Arrays, SPR and NMR Methodologies. Methods in Molecular Biology, 2017, 1512, 51-63.	0.9	3
52	Conserved histidine residues at the ferroxidase centre of the Campylobacter jejuni Dps protein are not strictly required for metal binding and oxidation. Microbiology (United Kingdom), 2016, 162, 156-163.	1.8	3
53	A Review of the Advantages, Disadvantages and Limitations of Chemotaxis Assays for Campylobacter spp.. International Journal of Molecular Sciences, 2022, 23, 1576.	4.1	3
54	Comparative in silico analysis of chemotaxis system of Campylobacter fetus. Archives of Microbiology, 2012, 194, 57-63.	2.2	2

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55	Identification of NuoX and NuoY Ligand Binding Specificity in the Campylobacter Jejuni Complex I. Journal of Bacteriology & Parasitology, 2017, 08, .	0.2	1