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List of Publications by Year
in descending order

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61 papers	2,488 citations	201385 27 h-index	214527 47 g-index
64 all docs	64 docs citations	64 times ranked	2856 citing authors

#	Article	IF	Citations
1	Identification of pathogen-specific and conserved genes expressed in vivo by an avian pathogenic Escherichia coli strain. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 247-252.	3.3	214
2	A new cytolethal distending toxin (CDT) from Escherichia coli producing CNF2 blocks HeLa cell division in G2/M phase. Molecular Microbiology, 1997, 24, 1095-1107.	1.2	208
3	So similar, yet so different: uncovering distinctive features in the genomes of Salmonella enterica serovars Typhimurium and Typhi. FEMS Microbiology Letters, 2010, 305, 1-13.	0.7	189
4	Transcriptome of Salmonella enterica serovar Typhi within macrophages revealed through the selective capture of transcribed sequences. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 1906-1911.	3.3	149
5	Identification of Salmonella typhi genes expressed within macrophages by selective capture of transcribed sequences (SCOTS). Molecular Microbiology, 2008, 41, 1211-1222.	1.2	91
6	Inactivation of the Pst System Reduces the Virulence of an Avian Pathogenic Escherichia coli O78 Strain. Infection and Immunity, 2005, 73, 4138-4145.	1.0	88
7	Mechanism of Action of Electrospun Chitosan-Based Nanofibers against Meat Spoilage and Pathogenic Bacteria. Molecules, 2017, 22, 585.	1.7	87
8	Antibacterial electrospun chitosanâ€based nanofibers: A bacterial membrane perforator. Food Science and Nutrition, 2017, 5, 865-874.	1.5	80
9	Escherichia coli O157:H7 Survives within Human Macrophages: Global Gene Expression Profile and Involvement of the Shiga Toxins. Infection and Immunity, 2008, 76, 4814-4822.	1.0	70
10	Intracellular survival of Salmonella enterica serovar Typhi in human macrophages is independent of Salmonella pathogenicity island (SPI)-2. Microbiology (United Kingdom), 2010, 156, 3689-3698.	0.7	68
11	The Small RNA RyhB Contributes to Siderophore Production and Virulence of Uropathogenic Escherichia coli. Infection and Immunity, 2014, 82, 5056-5068.	1.0	61
12	Characterization of Stg Fimbriae from an Avian Pathogenic Escherichia coli O78:K80 Strain and Assessment of Their Contribution to Colonization of the Chicken Respiratory Tract. Journal of Bacteriology, 2006, 188, 6449-6459.	1.0	56
13	Chitosanâ€based nanofibers as bioactive meat packaging materials. Packaging Technology and Science, 2018, 31, 185-195.	1.3	55
14	Expression and detection of pap-, sfa-, and afa-encoded fimbrial adhesin systems among uropathogenic Escherichia coli. Canadian Journal of Microbiology, 1994, 40, 286-291.	0.8	54
15	Salmonella enterica Prophage Sequence Profiles Reflect Genome Diversity and Can Be Used for High Discrimination Subtyping. Frontiers in Microbiology, 2018, 9, 836.	1.5	53
16	Increased Persistence of Salmonella enterica Serovar Typhi in the Presence of Acanthamoeba castellanii. Applied and Environmental Microbiology, 2011, 77, 7640-7646.	1.4	46
17	Role of the Salmonella enterica serovar Typhi Fur regulator and small RNAs RfrA and RfrB in iron homeostasis and interaction with host cells. Microbiology (United Kingdom), 2013, 159, 591-602.	0.7	46
18	A Syst-OMICS Approach to Ensuring Food Safety and Reducing the Economic Burden of Salmonellosis. Frontiers in Microbiology, 2017, 8, 996.	1.5	42

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19	Selection of Salmonella enterica Serovar Typhi Genes Involved during Interaction with Human Macrophages by Screening of a Transposon Mutant Library. PLoS ONE, 2012, 7, e36643.	1.1	41
20	Use of Selective Capture of Transcribed Sequences To Identify Genes Preferentially Expressed by Streptococcus suis upon Interaction with Porcine Brain Microvascular Endothelial Cells. Applied and Environmental Microbiology, 2007, 73, 4359-4364.	1.4	40
21	A novel PhoP-regulated locus encoding the cytolysin ClyA and the secreted invasin TaiA of Salmonella enterica serovar Typhi is involved in virulence. Microbiology (United Kingdom), 2009, 155, 477-488.	0.7	39
22	Combined Effect of Ultrasound Stimulations and Autoclaving on the Enhancement of Antibacterial Activity of ZnO and SiO2/ZnO Nanoparticles. Nanomaterials, 2018, 8, 129.	1.9	37
23	Selective Capture of Salmonella enterica Serovar Typhi Genes Expressed in Macrophages That Are Absent from the Salmonella enterica Serovar Typhimurium Genome. Infection and Immunity, 2005, 73, 5217-5221.	1.0	36
24	Contribution of thestgFimbrial Operon ofSalmonella entericaSerovar Typhi during Interaction with Human Cells. Infection and Immunity, 2007, 75, 5264-5271.	1.0	36
25	Antibacterial Activity of Neat Chitosan Powder and Flakes. Molecules, 2017, 22, 100.	1.7	36
26	Phase variation has a role in Burkholderia ambifaria niche adaptation. ISME Journal, 2010, 4, 49-60.	4.4	35
27	The CpxRA Two-Component System Is Essential for Citrobacter rodentium Virulence. Infection and Immunity, 2015, 83, 1919-1928.	1.0	31
28	The prpZ gene cluster encoding eukaryotic-type Ser/Thr protein kinases and phosphatases is repressed by oxidative stress and involved in Salmonella enterica serovar Typhi survival in human macrophages. FEMS Microbiology Letters, 2008, 281, 160-166.	0.7	28
29	Global gene expression profiling ofEhrlichia ruminantiumat different stages of development. FEMS Immunology and Medical Microbiology, 2012, 64, 66-73.	2.7	28
30	Occurrence ofpap-, sfa-, andafa-related sequences among F165-positiveEscherichia colifrom diseased animals. FEMS Microbiology Letters, 1991, 82, 177-182.	0.7	26
31	An outer membrane protease of the omptin family prevents activation of the Citrobacter rodentium PhoPQ twoâ€component system by antimicrobial peptides. Molecular Microbiology, 2009, 74, 98-111.	1.2	26
32	Survival of enterohemorrhagic <scp>E</scp>scherichia coli in the presence of <scp>A</scp>canthamoeba castellanii and its dependence on <scp>P</scp>ho regulon. MicrobiologyOpen, 2012, 1, 427-437.	1.2	26
33	Functional Analysis of the Chaperone-Usher Fimbrial Gene Clusters of Salmonella enterica serovar Typhi. Frontiers in Cellular and Infection Microbiology, 2018, 8, 26.	1.8	26
34	Long- and short-term antibacterial properties of low-density polyethylene-based films coated with zinc oxide nanoparticles for potential use in food packaging. Journal of Plastic Film and Sheeting, 2019, 35, 117-134.	1.3	24
35	The Salmonella enterica Plasmidome as a Reservoir of Antibiotic Resistance. Microorganisms, 2020, 8, 1016.	1.6	23
36	Microbial gene expression elucidated by selective capture of transcribed sequences (SCOTS). Methods in Enzymology, 2002, 358, 108-122.	0.4	22

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37	Effect of Chitosan Physical Form on Its Antibacterial Activity Against Pathogenic Bacteria. Journal of Food Science, 2017, 82, 679-686.	1.5	21
38	Innovative approach for transcriptomic analysis of obligate intracellular pathogen: selective capture of transcribed sequences of Ehrlichia ruminantium. BMC Molecular Biology, 2009, 10, 111.	3.0	20
39	Shiga toxins decrease enterohaemorrhagicEscherichia colisurvival withinAcanthamoeba castellanii. FEMS Microbiology Letters, 2013, 344, 86-93.	0.7	19
40	New Roles for Two-Component System Response Regulators of Salmonella enterica Serovar Typhi during Host Cell Interactions. Microorganisms, 2020, 8, 722.	1.6	19
41	Typhi genes expressed during infection or involved in pathogenesis. Journal of Infection in Developing Countries, 2008, 2, 431-7.	0.5	18
42	Occurrence of pap-, sfa-, and afa-related sequences among F165-positive Escherichia coli from diseased animals. FEMS Microbiology Letters, 1991, 66, 177-82.	0.7	17
43	Regulation and production of Tcf, a cable-like fimbriae from Salmonella enterica serovar Typhi. Microbiology (United Kingdom), 2016, 162, 777-788.	0.7	17
44	Systematic Analysis of Two-Component Systems in Citrobacter rodentium Reveals Positive and Negative Roles in Virulence. Infection and Immunity, 2017, 85, .	1.0	16
45	Mechanical and microstructural insights of Vibrio cholerae and Escherichia coli dual-species biofilm at the air-liquid interface. Colloids and Surfaces B: Biointerfaces, 2020, 188, 110786.	2.5	16
46	The Polymeric Matrix Composition of Vibrio cholerae Biofilms Modulate Resistance to Silver Nanoparticles Prepared by Hydrothermal Synthesis. ACS Applied Materials & Interfaces, 2021, 13, 35356-35364.	4.0	12
47	Effects of global regulatory proteins and environmental conditionson fimbrial gene expression of F1651 and F1652 producedby Escherichia coli causing septicaemia in pigs. Research in Microbiology, 2000, 151, 563-574.	1.0	11
48	Microbiological and real-time mechanical analysis of Bacillus licheniformis and Pseudomonas fluorescens dual-species biofilm. Microbiology (United Kingdom), 2019, 165, 747-756.	0.7	11
49	The presence of thetetgene from cloning vectors impairsSalmonellasurvival in macrophages. FEMS Microbiology Letters, 2005, 242, 305-312.	0.7	10
50	Phase variation of F165₁(Prs-like) fimbriae fromEscherichia colicausing septicaemia in animals. Canadian Journal of Microbiology, 2000, 46, 1101-1107.	0.8	9
51	Combining Whole-Genome Sequencing and Multimodel Phenotyping To Identify Genetic Predictors of Salmonella Virulence. MSphere, 2020, 5, .	1.3	9
52	Mutations in the and fimbrial genes and regulation of their expression in an strain causing septicemia in pigs. Microbial Pathogenesis, 1997, 22, 247-252.	1.3	7
53	Interaction between Host Cells and Septicemic Salmonella enterica Serovar Typhimurium Isolates from Pigs. Journal of Clinical Microbiology, 2009, 47, 3413-3419.	1.8	7
54	Characterization of Salmonella Typhimurium isolates associated with septicemia in swine. Canadian Journal of Veterinary Research, 2010, 74, 11-7.	0.2	6

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55	Salmonella enterica serovar Typhi siderophore production is elevated and Fur inactivation causes cell filamentation and attenuation in macrophages. FEMS Microbiology Letters, 2017, 364, .	0.7	5
56	Salmonella Fimbriae: What is the Clue to Their Hairdo?. , 0, , .		5
57	Salmonella enterica subsp. enterica virulence potential can be linked to higher survival within a dynamic in vitro human gastrointestinal model. Food Microbiology, 2022, 101, 103877.	2.1	5
58	Monitoring F165 1 P-Like Fimbria Expression at the Single-Cell Level Reveals a Highly Heterogeneous Phenotype. Infection and Immunity, 2015, 83, 1929-1939.	1.0	4
59	Phase variation of F165₁ (Prs-like) fimbriae from Escherichia coli causing septicaemia in animals. Canadian Journal of Microbiology, 2000, 46, 1101-1107.	0.8	4
60	Special Issue â€œSalmonella: Pathogenesis and Host Restrictionâ€: Microorganisms, 2021, 9, 325.	1.6	1
61	Identification of Crp as a novel regulator of the Std fimbrial expression in Salmonella. Microbiology (United Kingdom), 2021, 167, .	0.7	1