Jian Sha

List of Publications by Year
in descending order

72 papers	3,503 citations	109321 35 h-index	149698 56 g-index
75 all docs	75 docs citations	75 times ranked	3046 citing authors

#	Article	IF	Citations
1	Genome Sequence of Aeromonas hydrophila ATCC 7966 T : Jack of All Trades. Journal of Bacteriology, 2006, 188, 8272-8282.	2.2	317
2	Role of Various Enterotoxins in Aeromonas hydrophila-Induced Gastroenteritis: Generation of Enterotoxin Gene-Deficient Mutants and Evaluation of Their Enterotoxic Activity. Infection and Immunity, 2002, 70, 1924-1935.	2.2	203
3	Molecular characterization of a functional type VI secretion system from a clinical isolate of Aeromonas hydrophila. Microbial Pathogenesis, 2008, 44, 344-361.	2.9	193
4	N-Acylhomoserine lactones involved in quorum sensing control the type VI secretion system, biofilm formation, protease production, and in vivo virulence in a clinical isolate of Aeromonas hydrophila. Microbiology (United Kingdom), 2009, 155, 3518-3531.	1.8	124
5	Distribution of Virulence Factors and Molecular Fingerprinting of Aeromonas Species Isolates from Water and Clinical Samples: Suggestive Evidence of Water-to-Human Transmission. Applied and Environmental Microbiology, 2010, 76, 2313-2325.	3.1	124
6	Cross-talk among flesh-eatingAeromonas hydrophilastrains in mixed infection leading to necrotizing fasciitis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 722-727.	7.1	113
7	Aeromonas hydrophila Cytotoxic Enterotoxin Activates Mitogen-activated Protein Kinases and Induces Apoptosis in Murine Macrophages and Human Intestinal Epithelial Cells. Journal of Biological Chemistry, 2004, 279, 37597-37612.	3.4	94
8	Surface-Expressed Enolase Contributes to the Pathogenesis of Clinical Isolate SSU ofAeromonas hydrophila. Journal of Bacteriology, 2009, 191, 3095-3107.	2.2	93
9	The Type III Secretion System and Cytotoxic Enterotoxin Alter the Virulence of Aeromonas hydrophila. Infection and Immunity, 2005, 73, 6446-6457.	2.2	84
10	Interaction between innate immune cells and a bacterial type III secretion system in mutualistic and pathogenic associations. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 9481-9486.	7.1	79
11	Braun Lipoprotein (Lpp) Contributes to Virulence of Yersiniae: Potential Role of Lpp in Inducing Bubonic and Pneumonic Plague. Infection and Immunity, 2008, 76, 1390-1409.	2.2	75
12	Characterization of a mouse model of plague after aerosolization of Yersinia pestis CO92. Microbiology (United Kingdom), 2008, 154, 1939-1948.	1.8	72
13	Molecular Characterization of a Glucose-Inhibited Division Gene, gidA , That Regulates Cytotoxic Enterotoxin of Aeromonas hydrophila. Infection and Immunity, 2004, 72, 1084-1095.	2.2	71
14	Characterization of Aeromonas hydrophilaÂWound Pathotypes by Comparative Genomic and Functional Analyses of Virulence Genes. MBio, 2013, 4, e00064-13.	4.1	71
15	Further characterization of a type III secretion system (T3SS) and of a new effector protein from a clinical isolate of Aeromonas hydrophilaâ€"Part I. Microbial Pathogenesis, 2007, 43, 127-146.	2.9	65
16	Host Immune Responses to Aeromonas Virulence Factors. Current Immunology Reviews, 2006, 2, 13-26.	1.2	63
17	A Bacteriophage T4 Nanoparticle-Based Dual Vaccine against Anthrax and Plague. MBio, 2018, 9, .	4.1	62
18	DNA Adenine Methyltransferase Influences the Virulence of Aeromonas hydrophila. Infection and Immunity, 2006, 74, 410-424.	2.2	61

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19	The two-component QseBC signalling system regulates in vitro and in vivo virulence of Aeromonas hydrophila. Microbiology (United Kingdom), 2012, 158, 259-271.	1.8	60
20	Mutated and Bacteriophage T4 Nanoparticle Arrayed F1-V Immunogens from Yersinia pestis as Next Generation Plague Vaccines. PLoS Pathogens, 2013, 9, e1003495.	4.7	56
21	Evaluation of the roles played by Hcp and VgrG type 6 secretion system effectors in Aeromonas hydrophila SSU pathogenesis. Microbiology (United Kingdom), 2013, 159, 1120-1135.	1.8	55
22	Cold Shock Exoribonuclease R (VacB) Is Involved in Aeromonas hydrophila Pathogenesis. Journal of Bacteriology, 2008, 190, 3467-3474.	2.2	54
23	Functional Genomic Characterization of Virulence Factors from Necrotizing Fasciitis-Causing Strains of Aeromonas hydrophila. Applied and Environmental Microbiology, 2014, 80, 4162-4183.	3.1	54
24	Mutation in the S-ribosylhomocysteinase (luxS) gene involved in quorum sensing affects biofilm formation and virulence in a clinical isolate of Aeromonas hydrophila. Microbial Pathogenesis, 2008, 45, 343-354.	2.9	52
25	Characterization of the rat pneumonic plague model: infection kinetics following aerosolization of Yersinia pestis CO92. Microbes and Infection, 2009, 11, 205-214.	1.9	50
26	Identification of Aeromonas hydrophila Cytotoxic Enterotoxin-induced Genes in Macrophages Using Microarrays. Journal of Biological Chemistry, 2003, 278, 40198-40212.	3.4	47
27	A universal bacteriophage T4 nanoparticle platform to design multiplex SARS-CoV-2 vaccine candidates by CRISPR engineering. Science Advances, 2021, 7, eabh1547.	10.3	44
28	Quorum sensing and c-di-GMP-dependent alterations in gene transcripts and virulence-associated phenotypes in a clinical isolate of Aeromonas hydrophila. Microbial Pathogenesis, 2011, 50, 213-223.	2.9	42
29	Characterization of an F1 Deletion Mutant of Yersinia pestis CO92, Pathogenic Role of F1 Antigen in Bubonic and Pneumonic Plague, and Evaluation of Sensitivity and Specificity of F1 Antigen Capture-Based Dipsticks. Journal of Clinical Microbiology, 2011, 49, 1708-1715.	3.9	42
30	Progress on plague vaccine development. Applied Microbiology and Biotechnology, 2011, 91, 265-286.	3.6	40
31	Differential expression of the enolase gene under in vivo versus in vitro growth conditions of Aeromonas hydrophila. Microbial Pathogenesis, 2003, 34, 195-204.	2.9	39
32	Actin cross-linking domain of Aeromonas hydrophila repeat in toxin A (RtxA) induces host cell rounding and apoptosis. Gene, 2012, 506, 369-376.	2.2	39
33	New Role for FDA-Approved Drugs in Combating Antibiotic-Resistant Bacteria. Antimicrobial Agents and Chemotherapy, 2016, 60, 3717-3729.	3.2	38
34	Regulation of the Cytotoxic Enterotoxin Gene in Aeromonas hydrophila : Characterization of an Iron Uptake Regulator. Infection and Immunity, 2001, 69, 6370-6381.	2.2	37
35	Biological characterization of a new type III secretion system effector from a clinical isolate of Aeromonas hydrophilaâ€"Part II. Microbial Pathogenesis, 2007, 43, 147-160.	2.9	37
36	Protection Afforded by Fluoroquinolones in Animal Models of Respiratory Infections with Bacillus anthracis, Yersinia pestis, and Francisella tularensis. Open Microbiology Journal, 2010, 4, 34-46.	0.7	35

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37	Unraveling the mechanism of action of a new type III secretion system effector AexU from Aeromonas hydrophila. Microbial Pathogenesis, 2010, 49, 122-134.	2.9	34
38	Evaluation of Protective Potential of Yersinia pestis Outer Membrane Protein Antigens as Possible Candidates for a New-Generation Recombinant Plague Vaccine. Vaccine Journal, 2013, 20, 227-238.	3.1	32
39	Identification of a new hemolysin from diarrheal isolate SSU ofAeromonas hydrophila. FEMS Microbiology Letters, 2007, 275, 301-311.	1.8	30
40	Phospholipase A2-activating protein (PLAA) enhances cisplatin-induced apoptosis in HeLa cells. Cellular Signalling, 2009, 21, 1085-1099.	3.6	29
41	A prokaryotic-eukaryotic hybrid viral vector for delivery of large cargos of genes and proteins into human cells. Science Advances, 2019, 5, eaax0064.	10.3	28
42	Deletion of the Braun Lipoprotein-Encoding Gene and Altering the Function of Lipopolysaccharide Attenuate the Plague Bacterium. Infection and Immunity, 2013, 81, 815-828.	2.2	27
43	Deletion of Braun lipoprotein gene (lpp) and curing of plasmid pPCP1 dramatically alter the virulence of Yersinia pestis CO92 in a mouse model of pneumonic plague. Microbiology (United Kingdom), 2009, 155, 3247-3259.	1.8	27
44	Immunological responses against Salmonella enterica serovar Typhimurium Braun lipoprotein and lipid A mutant strains in Swiss-Webster mice: Potential use as live-attenuated vaccines. Microbial Pathogenesis, 2008, 44, 224-237.	2.9	26
45	Molecular and Functional Characterization of a ToxR-Regulated Lipoprotein from a Clinical Isolate of Aeromonas hydrophila. Infection and Immunity, 2006, 74, 3742-3755.	2.2	25
46	A non-invasive inÂvivo imaging system to study dissemination of bioluminescent Yersinia pestis CO92 in a mouse model of pneumonic plague. Microbial Pathogenesis, 2013, 55, 39-50.	2.9	25
47	The Effects of Modeled Microgravity on Growth Kinetics, Antibiotic Susceptibility, Cold Growth, and the Virulence Potential of aYersinia pestis ymoA-Deficient Mutant and Its Isogenic Parental Strain. Astrobiology, 2013, 13, 821-832.	3.0	24
48	Identification of New Virulence Factors and Vaccine Candidates for Yersinia pestis. Frontiers in Cellular and Infection Microbiology, 2017, 7, 448.	3.9	23
49	Deletion of Braun Lipoprotein and Plasminogen-Activating Protease-Encoding Genes Attenuates Yersinia pestis in Mouse Models of Bubonic and Pneumonic Plague. Infection and Immunity, 2014, 82, 2485-2503.	2.2	22
50	Combating Multidrug-Resistant Pathogens with Host-Directed Nonantibiotic Therapeutics. Antimicrobial Agents and Chemotherapy, 2018, 62, .	3.2	22
51	A Replication-Defective Human Type 5 Adenovirus-Based Trivalent Vaccine Confers Complete Protection against Plague in Mice and Nonhuman Primates. Vaccine Journal, 2016, 23, 586-600.	3.1	21
52	Microarray and Proteomics Analyses of Human Intestinal Epithelial Cells Treated with the Aeromonas hydrophila Cytotoxic Enterotoxin. Infection and Immunity, 2005, 73, 2628-2643.	2.2	20
53	Combinational Deletion of Three Membrane Protein-Encoding Genes Highly Attenuates Yersinia pestis while Retaining Immunogenicity in a Mouse Model of Pneumonic Plague. Infection and Immunity, 2015, 83, 1318-1338.	2.2	20
54	Deletion of the genes encoding the type III secretion system and cytotoxic enterotoxin alters host responses to Aeromonas hydrophila infection. Microbial Pathogenesis, 2006, 40, 198-210.	2.9	19

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55	Mutations within the Catalytic Motif of DNA Adenine Methyltransferase (Dam) of Aeromonas hydrophila Cause the Virulence of the Dam-Overproducing Strain To Revert to That of the Wild-Type Phenotype. Infection and Immunity, 2006, 74, 5763-5772.	2.2	19
56	High-Throughput, Signature-Tagged Mutagenic Approach To Identify Novel Virulence Factors of Yersinia pestis CO92 in a Mouse Model of Infection. Infection and Immunity, 2015, 83, 2065-2081.	2.2	19
57	T6SS and ExoA of flesh-eating Aeromonas hydrophila in peritonitis and necrotizing fasciitis during mono- and polymicrobial infections. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24084-24092.	7.1	19
58	Alteration in the activation state of new inflammation-associated targets by phospholipase A2-activating protein (PLAA). Cellular Signalling, 2008, 20, 844-861.	3.6	18
59	Cethromycin-Mediated Protection against the Plague Pathogen Yersinia pestis in a Rat Model of Infection and Comparison with Levofloxacin. Antimicrobial Agents and Chemotherapy, 2011, 55, 5034-5042.	3.2	17
60	Immunisation of two rodent species with new live-attenuated mutants of Yersinia pestis CO92 induces protective long-term humoral- and cell-mediated immunity against pneumonic plague. Npj Vaccines, 2016, 1, 16020.	6.0	17
61	Global transcriptional responses of wild-type Aeromonas hydrophila and its virulence-deficient mutant in a murine model of infection. Microbial Pathogenesis, 2007, 42, 193-203.	2.9	15
62	DNA adenine methyltransferase (Dam) controls the expression of the cytotoxic enterotoxin (act) gene of Aeromonas hydrophila via tRNA modifying enzyme-glucose-inhibited division protein (GidA). Gene, 2012, 498, 280-287.	2.2	15
63	Intramuscular Immunization of Mice with a Live-Attenuated Triple Mutant of Yersinia pestis CO92 Induces Robust Humoral and Cell-Mediated Immunity To Completely Protect Animals against Pneumonic Plague. Vaccine Journal, 2015, 22, 1255-1268.	3.1	15
64	New Insights into Autoinducer-2 Signaling as a Virulence Regulator in a Mouse Model of Pneumonic Plague. MSphere, 2016, 1, .	2.9	15
65	Comparative Analyses of Transcriptional Profiles in Mouse Organs Using a Pneumonic Plague Model after Infection with Wild-TypeYersinia pestisCO92 and Its Braun Lipoprotein Mutant. Comparative and Functional Genomics, 2009, 2009, 1-16.	2.0	14
66	Deletion of Braun lipoprotein gene (lpp) attenuates Yersinia pestis KIM/D27 strain: Role of Lpp in modulating host immune response, NF-ÎºB activation and cell death. Microbial Pathogenesis, 2010, 48, 42-52.	2.9	14
67	A new generation needle- and adjuvant-free trivalent plague vaccine utilizing adenovirus-5 nanoparticle platform. Npj Vaccines, 2021, 6, 21.	6.0	14
68	Comparative Global Gene Expression Profiles of Wild-TypeYersinia pestisCO92 and Its Braun Lipoprotein Mutant at Flea and Human Body Temperatures. Comparative and Functional Genomics, 2010, 2010, 1-11.	2.0	13
69	Protective Immunity Elicited by Oral Immunization of Mice with Salmonella enterica Serovar Typhimurium Braun Lipoprotein (Lpp) and Acetyltransferase (MsbB) Mutants. Frontiers in Cellular and Infection Microbiology, 2016, 6, 148.	3.9	13
70	Further characterization of a highly attenuated Yersinia pestis CO92 mutant deleted for the genes encoding Braun lipoprotein and plasminogen activator protease in murine alveolar and primary human macrophages. Microbial Pathogenesis, 2015, 80, 27-38.	2.9	9
71	New Host-Directed Therapeutics for the Treatment of Clostridioides difficile Infection. MBio, 2020, 11, .	4.1	8
72	Combinatorial Viral Vector-Based and Live Attenuated Vaccines without an Adjuvant to Generate Broader Immune Responses to Effectively Combat Pneumonic Plague. MBio, 2021, 12, e0322321.	4.1	6