

# Jian Sha

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11747573/publications.pdf>

Version: 2024-02-01

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	A new generation needle- and adjuvant-free trivalent plague vaccine utilizing adenovirus-5 nanoparticle platform. <i>Npj Vaccines</i> , 2021, 6, 21.	6.0	14
2	A universal bacteriophage T4 nanoparticle platform to design multiplex SARS-CoV-2 vaccine candidates by CRISPR engineering. <i>Science Advances</i> , 2021, 7, eabh1547.	10.3	44
3	Combinatorial Viral Vector-Based and Live Attenuated Vaccines without an Adjuvant to Generate Broader Immune Responses to Effectively Combat Pneumonic Plague. <i>MBio</i> , 2021, 12, e0322321.	4.1	6
4	New Host-Directed Therapeutics for the Treatment of <i>Clostridioides difficile</i> Infection. <i>MBio</i> , 2020, 11, .	4.1	8
5	A prokaryotic-eukaryotic hybrid viral vector for delivery of large cargos of genes and proteins into human cells. <i>Science Advances</i> , 2019, 5, eaax0064.	10.3	28
6	T6SS and ExoA of flesh-eating <i>Aeromonas hydrophila</i> in peritonitis and necrotizing fasciitis during mono- and polymicrobial infections. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 24084-24092.	7.1	19
7	Combating Multidrug-Resistant Pathogens with Host-Directed Nonantibiotic Therapeutics. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	3.2	22
8	A Bacteriophage T4 Nanoparticle-Based Dual Vaccine against Anthrax and Plague. <i>MBio</i> , 2018, 9, .	4.1	62
9	Identification of New Virulence Factors and Vaccine Candidates for <i>Yersinia pestis</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 448.	3.9	23
10	Protective Immunity Elicited by Oral Immunization of Mice with <i>Salmonella enterica</i> Serovar Typhimurium Braun Lipoprotein (Lpp) and Acetyltransferase (MsbB) Mutants. <i>Frontiers in Cellular and Infection Microbiology</i> , 2016, 6, 148.	3.9	13
11	Immunisation of two rodent species with new live-attenuated mutants of <i>Yersinia pestis</i> CO92 induces protective long-term humoral- and cell-mediated immunity against pneumonic plague. <i>Npj Vaccines</i> , 2016, 1, 16020.	6.0	17
12	New Insights into Autoinducer-2 Signaling as a Virulence Regulator in a Mouse Model of Pneumonic Plague. <i>MSphere</i> , 2016, 1, .	2.9	15
13	New Role for FDA-Approved Drugs in Combating Antibiotic-Resistant Bacteria. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 3717-3729.	3.2	38
14	A Replication-Defective Human Type 5 Adenovirus-Based Trivalent Vaccine Confers Complete Protection against Plague in Mice and Nonhuman Primates. <i>Vaccine Journal</i> , 2016, 23, 586-600.	3.1	21
15	Cross-talk among flesh-eating <i>Aeromonas hydrophila</i> strains in mixed infection leading to necrotizing fasciitis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 722-727.	7.1	113
16	Combinational Deletion of Three Membrane Protein-Encoding Genes Highly Attenuates <i>Yersinia pestis</i> while Retaining Immunogenicity in a Mouse Model of Pneumonic Plague. <i>Infection and Immunity</i> , 2015, 83, 1318-1338.	2.2	20
17	Further characterization of a highly attenuated <i>Yersinia pestis</i> CO92 mutant deleted for the genes encoding Braun lipoprotein and plasminogen activator protease in murine alveolar and primary human macrophages. <i>Microbial Pathogenesis</i> , 2015, 80, 27-38.	2.9	9
18	Intramuscular Immunization of Mice with a Live-Attenuated Triple Mutant of <i>Yersinia pestis</i> CO92 Induces Robust Humoral and Cell-Mediated Immunity To Completely Protect Animals against Pneumonic Plague. <i>Vaccine Journal</i> , 2015, 22, 1255-1268.	3.1	15

#	ARTICLE	IF	CITATIONS
19	High-Throughput, Signature-Tagged Mutagenic Approach To Identify Novel Virulence Factors of <i>Yersinia pestis</i> CO92 in a Mouse Model of Infection. <i>Infection and Immunity</i> , 2015, 83, 2065-2081.	2.2	19
20	Deletion of Braun Lipoprotein and Plasminogen-Activating Protease-Encoding Genes Attenuates <i>Yersinia pestis</i> in Mouse Models of Bubonic and Pneumonic Plague. <i>Infection and Immunity</i> , 2014, 82, 2485-2503.	2.2	22
21	Functional Genomic Characterization of Virulence Factors from Necrotizing Fasciitis-Causing Strains of <i>Aeromonas hydrophila</i> . <i>Applied and Environmental Microbiology</i> , 2014, 80, 4162-4183.	3.1	54
22	The Effects of Modeled Microgravity on Growth Kinetics, Antibiotic Susceptibility, Cold Growth, and the Virulence Potential of a <i>Yersinia pestis</i> ymoA-Deficient Mutant and Its Isogenic Parental Strain. <i>Astrobiology</i> , 2013, 13, 821-832.	3.0	24
23	A non-invasive <i>in vivo</i> imaging system to study dissemination of bioluminescent <i>Yersinia pestis</i> CO92 in a mouse model of pneumonic plague. <i>Microbial Pathogenesis</i> , 2013, 55, 39-50.	2.9	25
24	Evaluation of the roles played by Hcp and VgrG type 6 secretion system effectors in <i>Aeromonas hydrophila</i> SSU pathogenesis. <i>Microbiology (United Kingdom)</i> , 2013, 159, 1120-1135.	1.8	55
25	Characterization of <i>Aeromonas hydrophila</i> Wound Pathotypes by Comparative Genomic and Functional Analyses of Virulence Genes. <i>MBio</i> , 2013, 4, e00064-13.	4.1	71
26	Mutated and Bacteriophage T4 Nanoparticle Arrayed F1-V Immunogens from <i>Yersinia pestis</i> as Next Generation Plague Vaccines. <i>PLoS Pathogens</i> , 2013, 9, e1003495.	4.7	56
27	Deletion of the Braun Lipoprotein-Encoding Gene and Altering the Function of Lipopolysaccharide Attenuate the Plague Bacterium. <i>Infection and Immunity</i> , 2013, 81, 815-828.	2.2	27
28	Evaluation of Protective Potential of <i>Yersinia pestis</i> Outer Membrane Protein Antigens as Possible Candidates for a New-Generation Recombinant Plague Vaccine. <i>Vaccine Journal</i> , 2013, 20, 227-238.	3.1	32
29	The two-component QseBC signalling system regulates <i>in vitro</i> and <i>in vivo</i> virulence of <i>Aeromonas hydrophila</i> . <i>Microbiology (United Kingdom)</i> , 2012, 158, 259-271.	1.8	60
30	DNA adenine methyltransferase (Dam) controls the expression of the cytotoxic enterotoxin (act) gene of <i>Aeromonas hydrophila</i> via tRNA modifying enzyme-glucose-inhibited division protein (GidA). <i>Gene</i> , 2012, 498, 280-287.	2.2	15
31	Actin cross-linking domain of <i>Aeromonas hydrophila</i> repeat in toxin A (RtxA) induces host cell rounding and apoptosis. <i>Gene</i> , 2012, 506, 369-376.	2.2	39
32	Quorum sensing and c-di-GMP-dependent alterations in gene transcripts and virulence-associated phenotypes in a clinical isolate of <i>Aeromonas hydrophila</i> . <i>Microbial Pathogenesis</i> , 2011, 50, 213-223.	2.9	42
33	Progress on plague vaccine development. <i>Applied Microbiology and Biotechnology</i> , 2011, 91, 265-286.	3.6	40
34	Cethromycin-Mediated Protection against the Plague Pathogen <i>Yersinia pestis</i> in a Rat Model of Infection and Comparison with Levofloxacin. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 5034-5042.	3.2	17
35	Characterization of an F1 Deletion Mutant of <i>Yersinia pestis</i> CO92, Pathogenic Role of F1 Antigen in Bubonic and Pneumonic Plague, and Evaluation of Sensitivity and Specificity of F1 Antigen Capture-Based Dipsticks. <i>Journal of Clinical Microbiology</i> , 2011, 49, 1708-1715.	3.9	42
36	Distribution of Virulence Factors and Molecular Fingerprinting of <i>Aeromonas</i> Species Isolates from Water and Clinical Samples: Suggestive Evidence of Water-to-Human Transmission. <i>Applied and Environmental Microbiology</i> , 2010, 76, 2313-2325.	3.1	124

#	ARTICLE	IF	CITATIONS
37	Comparative Global Gene Expression Profiles of Wild-Type <i>Yersinia pestis</i> CO92 and Its Braun Lipoprotein Mutant at Flea and Human Body Temperatures. <i>Comparative and Functional Genomics</i> , 2010, 2010, 1-11.	2.0	13
38	Deletion of Braun lipoprotein gene ( <i>lpp</i> ) attenuates <i>Yersinia pestis</i> KIM/D27 strain: Role of <i>Lpp</i> in modulating host immune response, NF- $\kappa$ B activation and cell death. <i>Microbial Pathogenesis</i> , 2010, 48, 42-52.	2.9	14
39	Unraveling the mechanism of action of a new type III secretion system effector AexU from <i>Aeromonas hydrophila</i> . <i>Microbial Pathogenesis</i> , 2010, 49, 122-134.	2.9	34
40	Protection Afforded by Fluoroquinolones in Animal Models of Respiratory Infections with <i>Bacillus anthracis</i> , <i>Yersinia pestis</i> , and <i>Francisella tularensis</i> . <i>Open Microbiology Journal</i> , 2010, 4, 34-46.	0.7	35
41	Comparative Analyses of Transcriptional Profiles in Mouse Organs Using a Pneumonic Plague Model after Infection with Wild-Type <i>Yersinia pestis</i> CO92 and Its Braun Lipoprotein Mutant. <i>Comparative and Functional Genomics</i> , 2009, 2009, 1-16.	2.0	14
42	Phospholipase A2-activating protein (PLAA) enhances cisplatin-induced apoptosis in HeLa cells. <i>Cellular Signalling</i> , 2009, 21, 1085-1099.	3.6	29
43	Characterization of the rat pneumonic plague model: infection kinetics following aerosolization of <i>Yersinia pestis</i> CO92. <i>Microbes and Infection</i> , 2009, 11, 205-214.	1.9	50
44	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 <i>Aeromonas hydrophila</i> . <i>Microbiology (United Kingdom)</i> , 2009, 155, 3518-3531.	1.8	124
45	Surface-Expressed Enolase Contributes to the Pathogenesis of Clinical Isolate SSU of <i>Aeromonas hydrophila</i> . <i>Journal of Bacteriology</i> , 2009, 191, 3095-3107.	2.2	93
46	Deletion of Braun lipoprotein gene ( <i>lpp</i> ) and curing of plasmid pPCP1 dramatically alter the virulence of <i>Yersinia pestis</i> CO92 in a mouse model of pneumonic plague. <i>Microbiology (United Kingdom)</i> , 2009, 155, 3247-3259.	1.8	27
47	Alteration in the activation state of new inflammation-associated targets by phospholipase A2-activating protein (PLAA). <i>Cellular Signalling</i> , 2008, 20, 844-861.	3.6	18
48	Immunological responses against <i>Salmonella enterica</i> serovar Typhimurium Braun lipoprotein and lipid A mutant strains in Swiss-Webster mice: Potential use as live-attenuated vaccines. <i>Microbial Pathogenesis</i> , 2008, 44, 224-237.	2.9	26
49	Molecular characterization of a functional type VI secretion system from a clinical isolate of <i>Aeromonas hydrophila</i> . <i>Microbial Pathogenesis</i> , 2008, 44, 344-361.	2.9	193
50	Mutation in the S-ribosylhomocysteine ( <i>luxS</i> ) gene involved in quorum sensing affects biofilm formation and virulence in a clinical isolate of <i>Aeromonas hydrophila</i> . <i>Microbial Pathogenesis</i> , 2008, 45, 343-354.	2.9	52
51	Braun Lipoprotein ( <i>Lpp</i> ) Contributes to Virulence of <i>Yersinia</i> : Potential Role of <i>Lpp</i> in Inducing Bubonic and Pneumonic Plague. <i>Infection and Immunity</i> , 2008, 76, 1390-1409.	2.2	75
52	Characterization of a mouse model of plague after aerosolization of <i>Yersinia pestis</i> CO92. <i>Microbiology (United Kingdom)</i> , 2008, 154, 1939-1948.	1.8	72
53	Cold Shock Exoribonuclease R ( <i>VacB</i> ) Is Involved in <i>Aeromonas hydrophila</i> Pathogenesis. <i>Journal of Bacteriology</i> , 2008, 190, 3467-3474.	2.2	54
54	Interaction between innate immune cells and a bacterial type III secretion system in mutualistic and pathogenic associations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 9481-9486.	7.1	79

#	ARTICLE	IF	CITATIONS
55	Biological characterization of a new type III secretion system effector from a clinical isolate of <i>Aeromonas hydrophila</i> Part II. <i>Microbial Pathogenesis</i> , 2007, 43, 147-160.	2.9	37
56	Global transcriptional responses of wild-type <i>Aeromonas hydrophila</i> and its virulence-deficient mutant in a murine model of infection. <i>Microbial Pathogenesis</i> , 2007, 42, 193-203.	2.9	15
57	Further characterization of a type III secretion system (T3SS) and of a new effector protein from a clinical isolate of <i>Aeromonas hydrophila</i> Part I. <i>Microbial Pathogenesis</i> , 2007, 43, 127-146.	2.9	65
58	Identification of a new hemolysin from diarrheal isolate SSU of <i>Aeromonas hydrophila</i> . <i>FEMS Microbiology Letters</i> , 2007, 275, 301-311.	1.8	30
59	Genome Sequence of <i>Aeromonas hydrophila</i> ATCC 7966 T : Jack of All Trades. <i>Journal of Bacteriology</i> , 2006, 188, 8272-8282.	2.2	317
60	Deletion of the genes encoding the type III secretion system and cytotoxic enterotoxin alters host responses to <i>Aeromonas hydrophila</i> infection. <i>Microbial Pathogenesis</i> , 2006, 40, 198-210.	2.9	19
61	Host Immune Responses to <i>Aeromonas</i> Virulence Factors. <i>Current Immunology Reviews</i> , 2006, 2, 13-26.	1.2	63
62	Molecular and Functional Characterization of a ToxR-Regulated Lipoprotein from a Clinical Isolate of <i>Aeromonas hydrophila</i> . <i>Infection and Immunity</i> , 2006, 74, 3742-3755.	2.2	25
63	DNA Adenine Methyltransferase Influences the Virulence of <i>Aeromonas hydrophila</i> . <i>Infection and Immunity</i> , 2006, 74, 410-424.	2.2	61
64	Mutations within the Catalytic Motif of DNA Adenine Methyltransferase (Dam) of <i>Aeromonas hydrophila</i> Cause the Virulence of the Dam-Overproducing Strain To Revert to That of the Wild-Type Phenotype. <i>Infection and Immunity</i> , 2006, 74, 5763-5772.	2.2	19
65	Microarray and Proteomics Analyses of Human Intestinal Epithelial Cells Treated with the <i>Aeromonas hydrophila</i> Cytotoxic Enterotoxin. <i>Infection and Immunity</i> , 2005, 73, 2628-2643.	2.2	20
66	The Type III Secretion System and Cytotoxic Enterotoxin Alter the Virulence of <i>Aeromonas hydrophila</i> . <i>Infection and Immunity</i> , 2005, 73, 6446-6457.	2.2	84
67	Molecular Characterization of a Glucose-Inhibited Division Gene, <i>gidA</i> , That Regulates Cytotoxic Enterotoxin of <i>Aeromonas hydrophila</i> . <i>Infection and Immunity</i> , 2004, 72, 1084-1095.	2.2	71
68	<i>Aeromonas hydrophila</i> Cytotoxic Enterotoxin Activates Mitogen-activated Protein Kinases and Induces Apoptosis in Murine Macrophages and Human Intestinal Epithelial Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 37597-37612.	3.4	94
69	Differential expression of the enolase gene under in vivo versus in vitro growth conditions of <i>Aeromonas hydrophila</i> . <i>Microbial Pathogenesis</i> , 2003, 34, 195-204.	2.9	39
70	Identification of <i>Aeromonas hydrophila</i> Cytotoxic Enterotoxin-induced Genes in Macrophages Using Microarrays. <i>Journal of Biological Chemistry</i> , 2003, 278, 40198-40212.	3.4	47
71	Role of Various Enterotoxins in <i>Aeromonas hydrophila</i> -Induced Gastroenteritis: Generation of Enterotoxin Gene-Deficient Mutants and Evaluation of Their Enterotoxic Activity. <i>Infection and Immunity</i> , 2002, 70, 1924-1935.	2.2	203
72	Regulation of the Cytotoxic Enterotoxin Gene in <i>Aeromonas hydrophila</i> : Characterization of an Iron Uptake Regulator. <i>Infection and Immunity</i> , 2001, 69, 6370-6381.	2.2	37