

Akio Abe

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11776483/publications.pdf>

Version: 2024-02-01

37
papers

1,854
citations

304743

22
h-index

330143

37
g-index

41
all docs

41
docs citations

41
times ranked

1562
citing authors

#	ARTICLE	IF	CITATIONS
1	Enterohemorrhagic <i>Escherichia coli</i> O157:H7 Produces Tir, Which Is Translocated to the Host Cell Membrane but Is Not Tyrosine Phosphorylated. <i>Infection and Immunity</i> , 1999, 67, 2389-2398.	2.2	211
2	Enteropathogenic <i>Escherichia coli</i> activates the RhoA signaling pathway via the stimulation of GEF-H1. <i>EMBO Journal</i> , 2004, 23, 3570-3582.	7.8	137
3	Enteropathogenic <i>Escherichia coli</i> translocated intimin receptor, Tir, requires a specific chaperone for stable secretion. <i>Molecular Microbiology</i> , 2002, 33, 1162-1175.	2.5	133
4	Targeting of Enteropathogenic <i>Escherichia coli</i> EspF to Host Mitochondria Is Essential for Bacterial Pathogenesis. <i>Journal of Biological Chemistry</i> , 2005, 280, 2998-3011.	3.4	131
5	Two Enteropathogenic <i>Escherichia coli</i> Type III Secreted Proteins, EspA and EspB, Are Virulence Factors. <i>Journal of Experimental Medicine</i> , 1998, 188, 1907-1916.	8.5	110
6	<i>Bordetella</i> evades the host immune system by inducing IL-10 through a type III effector, BopN. <i>Journal of Experimental Medicine</i> , 2009, 206, 3073-3088.	8.5	101
7	Role of EspB in Experimental Human Enteropathogenic <i>Escherichia coli</i> Infection. <i>Infection and Immunity</i> , 2000, 68, 3689-3695.	2.2	94
8	A small-molecule inhibitor of the bacterial type III secretion system protects against in vivo infection with <i>Citrobacter rodentium</i> . <i>Journal of Antibiotics</i> , 2011, 64, 197-203.	2.0	92
9	Segmented Filamentous Bacteria Prevent Colonization of Enteropathogenic <i>Escherichia coli</i> O103 in Rabbits. <i>Journal of Infectious Diseases</i> , 2000, 181, 1027-1033.	4.0	86
10	Identification of the intimin-binding domain of Tir of enteropathogenic <i>Escherichia coli</i> . <i>Cellular Microbiology</i> , 1999, 1, 7-17.	2.1	83
11	Enteropathogenic <i>Escherichia coli</i> Type III Effectors EspG and EspG2 Alter Epithelial Paracellular Permeability. <i>Infection and Immunity</i> , 2005, 73, 6283-6289.	2.2	74
12	Assembly of the Type III Secretion Apparatus of Enteropathogenic <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2006, 188, 2801-2811.	2.2	58
13	Guadinomines, Type III Secretion System Inhibitors, Produced by <i>Streptomyces</i> sp. K01-0509. <i>Journal of Antibiotics</i> , 2008, 61, 222-229.	2.0	58
14	BopC Is a Novel Type III Effector Secreted by <i>Bordetella bronchiseptica</i> and Has a Critical Role in Type III-dependent Necrotic Cell Death. <i>Journal of Biological Chemistry</i> , 2006, 281, 6589-6600.	3.4	53
15	Differential Expression of Type III Effector BteA Protein Due to IS481 Insertion in <i>Bordetella pertussis</i> . <i>PLoS ONE</i> , 2011, 6, e17797.	2.5	43
16	Guadinomines, Type III Secretion System Inhibitors, Produced by <i>Streptomyces</i> sp. K01-0509. <i>Journal of Antibiotics</i> , 2008, 61, 230-236.	2.0	41
17	BopB is a type III secreted protein in <i>Bordetella bronchiseptica</i> and is required for cytotoxicity against cultured mammalian cells. <i>Cellular Microbiology</i> , 2003, 5, 973-983.	2.1	38
18	Enteropathogenic <i>Escherichia coli</i> , <i>Shigella flexneri</i> , and <i>Listeria monocytogenes</i> Recruit a Junctional Protein, Zonula Occludens-1, to Actin Tails and Pedestals. <i>Infection and Immunity</i> , 2007, 75, 565-573.	2.2	32

#	ARTICLE	IF	CITATIONS
19	The Type III Secreted Protein BopD in <i>Bordetella bronchiseptica</i> Is Complexed with BopB for Pore Formation on the Host Plasma Membrane. <i>Journal of Bacteriology</i> , 2004, 186, 3806-3813.	2.2	31
20	In vivo interactions of rabbit enteropathogenic <i>Escherichia coli</i> O103 with its host: an electron microscopic and histopathologic study. <i>Microbes and Infection</i> , 2000, 2, 5-16.	1.9	28
21	Btc22 chaperone is required for secretion and stability of the type III secreted protein Bsp22 in <i>Bordetella bronchiseptica</i> . <i>FEMS Microbiology Letters</i> , 2012, 331, 144-151.	1.8	26
22	The Type III Secreted Protein BspR Regulates the Virulence Genes in <i>Bordetella bronchiseptica</i> . <i>PLoS ONE</i> , 2012, 7, e38925.	2.5	25
23	DsbA directs efficient expression of outer membrane secretin EscC of the enteropathogenic <i>Escherichia coli</i> type III secretion apparatus. <i>Microbial Pathogenesis</i> , 2008, 44, 151-158.	2.9	24
24	Binding of intimin with Tir on the bacterial surface is prerequisite for the barrier disruption induced by enteropathogenic <i>Escherichia coli</i> . <i>Biochemical and Biophysical Research Communications</i> , 2005, 337, 922-927.	2.1	21
25	BteA Secreted from the <i>Bordetella bronchiseptica</i> Type III Secretion System Induces Necrosis through an Actin Cytoskeleton Signaling Pathway and Inhibits Phagocytosis by Macrophages. <i>PLoS ONE</i> , 2016, 11, e0148387.	2.5	19
26	Iron starvation regulates the type III secretion system in <i>Bordetella bronchiseptica</i> . <i>Microbiology and Immunology</i> , 2012, 56, 356-362.	1.4	18
27	Type-III effectors: Sophisticated bacterial virulence factors. <i>Comptes Rendus - Biologies</i> , 2005, 328, 413-428.	0.2	16
28	The <i>Bordetella</i> type III secretion system: its application to vaccine development. <i>Microbiology and Immunology</i> , 2008, 52, 128-133.	1.4	11
29	<i>Bordetella</i> effector BopN is translocated into host cells via its N-terminal residues. <i>Microbiology and Immunology</i> , 2017, 61, 206-214.	1.4	10
30	Tandem tyrosine phosphosites in the Enteropathogenic <i>Escherichia coli</i> chaperone CesT are required for differential type III effector translocation and virulence. <i>Molecular Microbiology</i> , 2018, 108, 536-550.	2.5	9
31	The <i>Bordetella</i> Secreted Regulator BspR Is Translocated into the Nucleus of Host Cells via Its N-Terminal Moiety: Evaluation of Bacterial Effector Translocation by the <i>Escherichia coli</i> Type III Secretion System. <i>PLoS ONE</i> , 2015, 10, e0135140.	2.5	8
32	EspJ effector in enterohemorrhagic <i>E. coli</i> translocates into host mitochondria via an atypical mitochondrial targeting signal. <i>Microbiology and Immunology</i> , 2010, 54, 371-9.	1.4	7
33	Functional Analysis of the Type III Secretion System in Enteropathogenic <i>Escherichia coli</i> O157: H45. <i>Microbiology and Immunology</i> , 2000, 44, 857-861.	1.4	6
34	Persistent colonization of non-lymphoid tissue-resident macrophages by <i>Stenotrophomonas maltophilia</i> . <i>International Immunology</i> , 2020, 32, 133-141.	4.0	6
35	<i>Bordetella bronchiseptica</i> Bcr4 antagonizes the negative regulatory function of BspR via its role in type III secretion. <i>Microbiology and Immunology</i> , 2018, 62, 743-754.	1.4	5
36	Transcriptional Downregulation of a Type III Secretion System under Reducing Conditions in <i>Bordetella pertussis</i> . <i>Journal of Bacteriology</i> , 2020, 202, .	2.2	5

#	ARTICLE	IF	CITATIONS
37	Insights into the structure–activity relationship of a type III secretion system inhibitor, aurodox. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2022, 69, 128779.	2.2	2