

Tao G Dong

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

3,105
citations

257450

24
h-index

254184

43
g-index

47
all docs

47
docs citations

47
times ranked

2893
citing authors

#	ARTICLE	IF	CITATIONS
1	A View to a Kill: The Bacterial Type VI Secretion System. <i>Cell Host and Microbe</i> , 2014, 15, 9-21.	11.0	523
2	Identification of T6SS-dependent effector and immunity proteins by Tn-seq in <i>Vibrio cholerae</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 2623-2628.	7.1	260
3	Role of RpoS in Virulence of Pathogens. <i>Infection and Immunity</i> , 2010, 78, 887-897.	2.2	186
4	Manganese scavenging and oxidative stress response mediated by type VI secretion system in <i>Burkholderia thailandensis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E2233-E2242.	7.1	185
5	Identification of divergent type VI secretion effectors using a conserved chaperone domain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 9106-9111.	7.1	146
6	Global effect of RpoS on gene expression in pathogenic <i>Escherichia coli</i> O157:H7 strain EDL933. <i>BMC Genomics</i> , 2009, 10, 349.	2.8	134
7	Generation of reactive oxygen species by lethal attacks from competing microbes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2181-2186.	7.1	131
8	A type VI secretion system effector delivery mechanism dependent on PAAR and a chaperone-co-chaperone complex. <i>Nature Microbiology</i> , 2018, 3, 632-640.	13.3	116
9	The Type VI Secretion System Engages a Redox-Regulated Dual-Functional Heme Transporter for Zinc Acquisition. <i>Cell Reports</i> , 2017, 20, 949-959.	6.4	107
10	Control of RpoS in global gene expression of <i>Escherichia coli</i> in minimal media. <i>Molecular Genetics and Genomics</i> , 2009, 281, 19-33.	2.1	105
11	Characterization of the RpoN regulon reveals differential regulation of T6SS and new flagellar operons in <i>Vibrio cholerae</i> O37 strain V52. <i>Nucleic Acids Research</i> , 2012, 40, 7766-7775.	14.5	101
12	RpoS regulation of gene expression during exponential growth of <i>Escherichia coli</i> K12. <i>Molecular Genetics and Genomics</i> , 2008, 279, 267-277.	2.1	100
13	Secretome Analysis of <i>Vibrio cholerae</i> Type VI Secretion System Reveals a New Effector-Immunity Pair. <i>MBio</i> , 2015, 6, e00075.	4.1	96
14	Envelope stress responses defend against type six secretion system attacks independently of immunity proteins. <i>Nature Microbiology</i> , 2020, 5, 706-714.	13.3	96
15	Antagonistic regulation of motility and transcriptome expression by RpoN and RpoS in <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 2011, 79, 375-386.	2.5	85
16	<i>Vibrio cholerae</i> type 6 secretion system effector trafficking in target bacterial cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 9427-9432.	7.1	61
17	Phenotypic Diversity Caused by Differential RpoS Activity among Environmental <i>Escherichia coli</i> Isolates. <i>Applied and Environmental Microbiology</i> , 2011, 77, 7915-7923.	3.1	55
18	Differential Cellular Response to Translocated Toxic Effectors and Physical Penetration by the Type VI Secretion System. <i>Cell Reports</i> , 2020, 31, 107766.	6.4	51

#	ARTICLE	IF	CITATIONS
19	Polymorphism and selection of rpoS in pathogenic Escherichia coli. BMC Microbiology, 2009, 9, 118.	3.3	46
20	Intramolecular chaperone-mediated secretion of an Rhs effector toxin by a type VI secretion system. Nature Communications, 2020, 11, 1865.	12.8	46
21	An onboard checking mechanism ensures effector delivery of the type VI secretion system in <i>Vibrio cholerae</i> . Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23292-23298.	7.1	45
22	Microbial Herd Protection Mediated by Antagonistic Interaction in Polymicrobial Communities. Applied and Environmental Microbiology, 2016, 82, 6881-6888.	3.1	42
23	Contact-independent killing mediated by a T6SS effector with intrinsic cell-entry properties. Nature Communications, 2021, 12, 423.	12.8	42
24	Defending against the Type Six Secretion System: beyond Immunity Genes. Cell Reports, 2020, 33, 108259.	6.4	37
25	Characterization of water treatment-resistant and multidrug-resistant urinary pathogenic Escherichia coli in treated wastewater. Water Research, 2020, 182, 115827.	11.3	31
26	A lightweight, mechanically strong, and shapeable copper-benzenedicarboxylate/cellulose aerogel for dye degradation and antibacterial applications. Separation and Purification Technology, 2022, 283, 120229.	7.9	25
27	Role of RpoS in the Virulence of <i>Citrobacter rodentium</i> . Infection and Immunity, 2009, 77, 501-507.	2.2	24
28	TssA-TssM-TagA interaction modulates type VI secretion system sheath-tube assembly in <i>Vibrio cholerae</i> . Nature Communications, 2020, 11, 5065.	12.8	21
29	VgrG-dependent effectors and chaperones modulate the assembly of the type VI secretion system. PLoS Pathogens, 2021, 17, e1010116.	4.7	21
30	Delivery of an Rhs family nuclease effector reveals direct penetration of the gram-positive cell envelope by a type VI secretion system in <i>Acidovorax citrulli</i> . , 2022, 1, 66-78.		21
31	Sensing of intracellular Hcp levels controls T6SS expression in <i>Vibrio cholerae</i> . Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	19
32	Essential functions of chaperones and adaptors of protein secretion systems in Gram-negative bacteria. FEBS Journal, 2021, , .	4.7	17
33	Engineered Type Six Secretion Systems Deliver Active Exogenous Effectors and Cre Recombinase. MBio, 2021, 12, e0111521.	4.1	17
34	Stationary phase expression of the arginine biosynthetic operon argCBH in Escherichia coli. BMC Microbiology, 2006, 6, 14.	3.3	16
35	The Role of RpoS in Bacterial Adaptation. , 2008, , 313-337.		13
36	Abiotic factors modulate interspecies competition mediated by the type VI secretion system effectors in <i>Vibrio cholerae</i> . ISME Journal, 2022, 16, 1765-1775.	9.8	13

#	ARTICLE	IF	CITATIONS
37	More Than Just a Spearhead: Diverse Functions of PAAR for Assembly and Delivery of Toxins of the Contractile Injection Systems. <i>MSystems</i> , 2021, 6, e0138621.	3.8	12
38	A Comprehensive Account of Escherichia coli Sequence Type 131 in Wastewater Reveals an Abundance of Fluoroquinolone-Resistant Clade A Strains. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	11
39	Characterization of Lysozyme-Like Effector TseP Reveals the Dependence of Type VI Secretion System (T6SS) Secretion on Effectors in <i>Aeromonas dhakensis</i> Strain SSU. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0043521.	3.1	11
40	Commentary: The <i>icmF3</i> Locus is Involved in Multiple Adaptation- and Virulence-related Characteristics in <i>Pseudomonas aeruginosa</i> PAO1. <i>Frontiers in Cellular and Infection Microbiology</i> , 2015, 5, 83.	3.9	10
41	"RETRACTED ARTICLE: <i>Vibrio parahaemolyticus</i> RhsP represents a widespread group of pro-effectors for type VI secretion systems. <i>Nature Communications</i> , 2018, 9, 3899.	12.8	8
42	Double Tubular Contractile Structure of the Type VI Secretion System Displays Striking Flexibility and Elasticity. <i>Journal of Bacteriology</i> , 2019, 202, .	2.2	8
43	Identification of Small Molecule Inhibitors of the Pathogen Box against <i>Vibrio cholerae</i> . <i>Microbiology Spectrum</i> , 2021, 9, e0073921.	3.0	5