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 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
2	Delivery of an Rhsâ€family nuclease effector reveals direct penetration of the gramâ€positive cell envelope by a type VI secretion system in Acidovorax citrulli. , 2022, 1, 66-78.		21
3	Abiotic factors modulate interspecies competition mediated by the type VI secretion system effectors in Vibrio cholerae. ISME Journal, 2022, 16, 1765-1775.	9.8	13
4	Characterization of Lysozyme-Like Effector TseP Reveals the Dependence of Type VI Secretion System (T6SS) Secretion on Effectors in Aeromonas dhakensis Strain SSU. Applied and Environmental Microbiology, 2021, 87, e0043521.	3.1	11
5	Sensing of intracellular Hcp levels controls T6SS expression in Vibrio cholerae. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	19
6	Essential functions of chaperones and adaptors of protein secretion systems in Gramâ€negative bacteria. FEBS Journal, 2021, , .	4.7	17
7	Engineered Type Six Secretion Systems Deliver Active Exogenous Effectors and Cre Recombinase. MBio, 2021, 12, e0111521.	4.1	17
8	Contact-independent killing mediated by a T6SS effector with intrinsic cell-entry properties. Nature Communications, 2021, 12, 423.	12.8	42
9	VgrG-dependent effectors and chaperones modulate the assembly of the type VI secretion system. PLoS Pathogens, 2021, 17, e1010116.	4.7	21
10	More Than Just a Spearhead: Diverse Functions of PAAR for Assembly and Delivery of Toxins of the Contractile Injection Systems. MSystems, 2021, 6, e0138621.	3.8	12
11	Identification of Small Molecule Inhibitors of the Pathogen Box against Vibrio cholerae. Microbiology Spectrum, 2021, 9, e0073921.	3.0	5
12	Defending against the Type Six Secretion System: beyond Immunity Genes. Cell Reports, 2020, 33, 108259.	6.4	37
13	TssAâ€“TssMâ€“TagA interaction modulates type VI secretion system sheath-tube assembly in Vibrio cholerae. Nature Communications, 2020, 11, 5065.	12.8	21
14	Characterization of water treatment-resistant and multidrug-resistant urinary pathogenic Escherichia coli in treated wastewater. Water Research, 2020, 182, 115827.	11.3	31
15	Differential Cellular Response to Translocated Toxic Effectors and Physical Penetration by the Type VI Secretion System. Cell Reports, 2020, 31, 107766.	6.4	51
16	Envelope stress responses defend against type six secretion system attacks independently of immunity proteins. Nature Microbiology, 2020, 5, 706-714.	13.3	96
17	A Comprehensive Account of Escherichia coli Sequence Type 131 in Wastewater Reveals an Abundance of Fluoroquinolone-Resistant Clade A Strains. Applied and Environmental Microbiology, 2020, 86, .	3.1	11
18	Intramolecular chaperone-mediated secretion of an Rhs effector toxin by a type VI secretion system. Nature Communications, 2020, 11, 1865.	12.8	46

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19	An onboard checking mechanism ensures effector delivery of the type VI secretion system in Vibrio cholerae. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23292-23298.	7.1	45
20	Double Tubular Contractile Structure of the Type VI Secretion System Displays Striking Flexibility and Elasticity. Journal of Bacteriology, 2019, 202, .	2.2	8
21	A type VI secretion system effector delivery mechanism dependent on PAAR and a chaperoneâ€“co-chaperone complex. Nature Microbiology, 2018, 3, 632-640.	13.3	116
22	"RETRACTED ARTICLE: Vibrio parahaemolyticus RhsP represents a widespread group of pro-effectors for type VI secretion systems. Nature Communications, 2018, 9, 3899.	12.8	8
23	Manganese scavenging and oxidative stress response mediated by type VI secretion system in Burkholderia thailandensis. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E2233-E2242.	7.1	185
24	The Type VI Secretion System Engages a Redox-Regulated Dual-Functional Heme Transporter for Zinc Acquisition. Cell Reports, 2017, 20, 949-959.	6.4	107
25	Vibrio cholerae type 6 secretion system effector trafficking in target bacterial cells. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9427-9432.	7.1	61
26	Microbial Herd Protection Mediated by Antagonistic Interaction in Polymicrobial Communities. Applied and Environmental Microbiology, 2016, 82, 6881-6888.	3.1	42
27	Commentary: The icmF3 Locus is Involved in Multiple Adaptation- and Virulence-related Characteristics in Pseudomonas aeruginosa PAO1. Frontiers in Cellular and Infection Microbiology, 2015, 5, 83.	3.9	10
28	Generation of reactive oxygen species by lethal attacks from competing microbes. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2181-2186.	7.1	131
29	Identification of divergent type VI secretion effectors using a conserved chaperone domain. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9106-9111.	7.1	146
30	Secretome Analysis of Vibrio cholerae Type VI Secretion System Reveals a New Effector-Immunity Pair. MBio, 2015, 6, e00075.	4.1	96
31	A View to a Kill: The Bacterial Type VI Secretion System. Cell Host and Microbe, 2014, 15, 9-21.	11.0	523
32	Identification of T6SS-dependent effector and immunity proteins by Tn-seq in Vibrio cholerae. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2623-2628.	7.1	260
33	Characterization of the RpoN regulon reveals differential regulation of T6SS and new flagellar operons in Vibrio cholerae O37 strain V52. Nucleic Acids Research, 2012, 40, 7766-7775.	14.5	101
34	Phenotypic Diversity Caused by Differential RpoS Activity among Environmental Escherichia coli Isolates. Applied and Environmental Microbiology, 2011, 77, 7915-7923.	3.1	55
35	Antagonistic regulation of motility and transcriptome expression by RpoN and RpoS in Escherichia coli. Molecular Microbiology, 2011, 79, 375-386.	2.5	85
36	Role of RpoS in Virulence of Pathogens. Infection and Immunity, 2010, 78, 887-897.	2.2	186

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37	Role of RpoS in the Virulence of Citrobacter rodentium. Infection and Immunity, 2009, 77, 501-507.	2.2	24
38	Global effect of RpoS on gene expression in pathogenic Escherichia coli O157:H7 strain EDL933. BMC Genomics, 2009, 10, 349.	2.8	134
39	Polymorphism and selection of rpoS in pathogenic Escherichia coli. BMC Microbiology, 2009, 9, 118.	3.3	46
40	Control of RpoS in global gene expression of Escherichia coli in minimal media. Molecular Genetics and Genomics, 2009, 281, 19-33.	2.1	105
41	RpoS regulation of gene expression during exponential growth of Escherichia coli K12. Molecular Genetics and Genomics, 2008, 279, 267-277.	2.1	100
42	The Role of RpoS in Bacterial Adaptation. , 2008, , 313-337.		13
43	Stationary phase expression of the arginine biosynthetic operon argCBH in Escherichia coli. BMC Microbiology, 2006, 6, 14.	3.3	16