

Tiago R D Costa

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,837
citations

623734

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28
all docs

28
docs citations

28
times ranked

2399
citing authors

#	ARTICLE	IF	CITATIONS
1	Secretion systems in Gram-negative bacteria: structural and mechanistic insights. <i>Nature Reviews Microbiology</i> , 2015, 13, 343-359.	28.6	893
2	A comprehensive guide to pilus biogenesis in Gram-negative bacteria. <i>Nature Reviews Microbiology</i> , 2017, 15, 365-379.	28.6	221
3	Structure of the Bacterial Sex F Pilus Reveals an Assembly of a Stoichiometric Protein-Phospholipid Complex. <i>Cell</i> , 2016, 166, 1436-1444.e10.	28.9	122
4	Type IV secretion systems: Advances in structure, function, and activation. <i>Molecular Microbiology</i> , 2021, 115, 436-452.	2.5	119
5	Cryo-EM structure of the bacteria-killing type IV secretion system core complex from <i>Xanthomonas citri</i> . <i>Nature Microbiology</i> , 2018, 3, 1429-1440.	13.3	62
6	Cryo-EM structure of a type IV secretion system. <i>Nature</i> , 2022, 607, 191-196.	27.8	56
7	Use of chimeric type IV secretion systems to define contributions of outer membrane subassemblies for contact-dependent translocation. <i>Molecular Microbiology</i> , 2017, 105, 273-293.	2.5	49
8	The Cryoelectron Microscopy Structure of the Type 1 Chaperone-Usher Pilus Rod. <i>Structure</i> , 2017, 25, 1829-1838.e4.	3.3	46
9	Mating pair stabilization mediates bacterial conjugation species specificity. <i>Nature Microbiology</i> , 2022, 7, 1016-1027.	13.3	43
10	YopD Self-assembly and Binding to LcrV Facilitate Type III Secretion Activity by <i>Yersinia pseudotuberculosis</i> . <i>Journal of Biological Chemistry</i> , 2010, 285, 25269-25284.	3.4	24
11	The cryo-electron microscopy supramolecular structure of the bacterial stressosome unveils its mechanism of activation. <i>Nature Communications</i> , 2019, 10, 3005.	12.8	22
12	The Breadth and Molecular Basis of Hcp-Driven Type VI Secretion System Effector Delivery. <i>MBio</i> , 2021, 12, e0026221.	4.1	22
13	Cryo-EM Grid Preparation of Membrane Protein Samples for Single Particle Analysis. <i>Frontiers in Molecular Biosciences</i> , 2018, 5, 74.	3.5	19
14	The <i>Legionella pneumophila</i> Dot/Icm type IV secretion system and its effectors. <i>Microbiology (United Kingdom)</i> , 2018, 183, 183-193.	1.8	18
15	Type III secretion translocon assemblies that attenuate <i>Yersinia</i> virulence. <i>Cellular Microbiology</i> , 2013, 15, 1088-1110.	2.1	17
16	Structural Analysis of Protein Complexes by Cryo Electron Microscopy. <i>Methods in Molecular Biology</i> , 2017, 1615, 377-413.	0.9	15
17	Architecture of the outer-membrane core complex from a conjugative type IV secretion system. <i>Nature Communications</i> , 2021, 12, 6834.	12.8	15
18	Heterologous Complementation Studies With the YscX and YscY Protein Families Reveals a Specificity for <i>Yersinia pseudotuberculosis</i> Type III Secretion. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 80.	3.9	12

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19	Cryoelectron-microscopy structure of the enteropathogenic <i>Escherichia coli</i> type III secretion system EspA filament. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	12
20	YopN and TyeA Hydrophobic Contacts Required for Regulating Ysc-Yop Type III Secretion Activity by <i>Yersinia pseudotuberculosis</i> . Frontiers in Cellular and Infection Microbiology, 2016, 6, 66.	3.9	11
21	Site-Directed Mutagenesis and Its Application in Studying the Interactions of T3S Components. Methods in Molecular Biology, 2017, 1531, 11-31.	0.9	11
22	Flagellin outer domain dimerization modulates motility in pathogenic and soil bacteria from viscous environments. Nature Communications, 2022, 13, 1422.	12.8	10
23	Coiled-coils in the YopD translocator family: A predicted structure unique to the YopD N-terminus contributes to full virulence of <i>Yersinia pseudotuberculosis</i> . Infection, Genetics and Evolution, 2012, 12, 1729-1742.	2.3	8
24	Genetically Engineered Frameshifted YopN-TyeA Chimeras Influence Type III Secretion System Function in <i>Yersinia pseudotuberculosis</i> . PLoS ONE, 2013, 8, e77767.	2.5	8
25	Measurement of <i>Yersinia</i> Translocon Pore Formation in Erythrocytes. Methods in Molecular Biology, 2019, 2010, 211-229.	0.9	2