Davi R Ortega

List of Publications by Year
in descending order

25 papers	1,375 citations	471509 17 h-index	580821 25 g-index
32 all docs	32 docs citations	32 times ranked	1352 citing authors

#	Article	IF	Citations
1	Novel transient cytoplasmic rings stabilize assembling bacterial flagellar motors. EMBO Journal, 2022, 41, e109523.	7.8	10
2	MiST 3.0: an updated microbial signal transduction database with an emphasis on chemosensory systems. Nucleic Acids Research, 2020, 48, D459-D464.	14.5	129
3	Atypical chemoreceptor arrays accommodate high membrane curvature. Nature Communications, 2020, 11, 5763.	12.8	20
4	CryoEM structure of the type IVa pilus secretin required for natural competence in Vibrio cholerae. Nature Communications, 2020, 11, 5080.	12.8	21
5	The chemosensory systems of <i>Vibrio cholerae</i>. Molecular Microbiology, 2020, 114, 367-376.	2.5	20
6	Repurposing a chemosensory macromolecular machine. Nature Communications, 2020, 11, 2041.	12.8	38
7	Bacterial flagellar motor PL-ring disassembly subcomplexes are widespread and ancient. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 8941-8947.	7.1	23
8	<i>In situ</i> imaging of the bacterial flagellar motor disassembly and assembly processes. EMBO Journal, 2019, 38, e100957.	7.8	43
9	ETDB-Caltech: A blockchain-based distributed public database for electron tomography. PLoS ONE, 2019, 14, e0215531.	2.5	37
10	Distinct Chemotaxis Protein Paralogs Assemble into Chemoreceptor Signaling Arrays To Coordinate Signaling Output. MBio, 2019, 10, .	4.1	10
11	The presence and absence of periplasmic rings in bacterial flagellar motors correlates with stator type. ELife, 2019, 8, .	6.0	36
12	Structure of the fission yeast actomyosin ring during constriction. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E1455-E1464.	7.1	38
13	Phylogenetic and Protein Sequence Analysis of Bacterial Chemoreceptors. Methods in Molecular Biology, 2018, 1729, 373-385.	0.9	3
14	Architecture of the Vibrio cholerae toxin-coregulated pilus machine revealed by electron cryotomography. Nature Microbiology, 2017, 2, 16269.	13.3	67
15	Assigning chemoreceptors to chemosensory pathways in <i>Pseudomonas aeruginosa</i>. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12809-12814.	7.1	72
16	Author's reply. Nature Reviews Microbiology, 2016, 14, 600-600.	28.6	0
17	Chemotaxis cluster 1 proteins form cytoplasmic arrays inVibrio choleraeand are stabilized by a double signaling domain receptor DosM. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 10412-10417.	7.1	55
18	Sporulation, bacterial cell envelopes and the origin of life. Nature Reviews Microbiology, 2016, 14, 535-542.	28.6	88

#	Article	IF	Citations
19	Evolutionary Genomics Suggests That CheV Is an Additional Adaptor for Accommodating Specific Chemoreceptors within the Chemotaxis Signaling Complex. PLoS Computational Biology, 2016, 12, e1004723.	3.2	34
20	Structural conservation of chemotaxis machinery across <scp>A</scp>rchaea and <scp>B</scp>acteria. Environmental Microbiology Reports, 2015, 7, 414-419.	2.4	100
21	CDvist: a webserver for identification and visualization of conserved domains in protein sequences. Bioinformatics, 2015, 31, 1475-1477.	4.1	69
22	A phenylalanine rotameric switch for signal-state control in bacterial chemoreceptors. Nature Communications, 2013, 4, 2881.	12.8	37
23	The 3.2 Ã… Resolution Structure of a Receptor:CheA:CheW Signaling Complex Defines Overlapping Binding Sites and Key Residue Interactions within Bacterial Chemosensory Arrays. Biochemistry, 2013, 52, 3852-3865.	2.5	80
24	Conformational Coupling between Receptor and Kinase Binding Sites through a Conserved Salt Bridge in a Signaling Complex Scaffold Protein. PLoS Computational Biology, 2013, 9, e1003337.	3.2	13
25	Universal architecture of bacterial chemoreceptor arrays. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17181-17186.	7.1	320