

Davi R Ortega

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6388323/publications.pdf>

Version: 2024-02-01

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	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
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	Structural conservation of chemotaxis machinery across <scp>A</scp> rchaea and <scp>B</scp> bacteria. Environmental Microbiology Reports, 2015, 7, 414-419.	2.4	100
4	Sporulation, bacterial cell envelopes and the origin of life. Nature Reviews Microbiology, 2016, 14, 535-542.	28.6	88
5	The 3.2 Å... 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
6	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
7	CDvist: a webserver for identification and visualization of conserved domains in protein sequences. Bioinformatics, 2015, 31, 1475-1477.	4.1	69
8	Architecture of the Vibrio cholerae toxin-coregulated pilus machine revealed by electron cryotomography. Nature Microbiology, 2017, 2, 16269.	13.3	67
9	Chemotaxis cluster 1 proteins form cytoplasmic arrays in Vibrio cholerae and 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
10	<i>In situ</i> imaging of the bacterial flagellar motor disassembly and assembly processes. EMBO Journal, 2019, 38, e100957.	7.8	43
11	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
12	Repurposing a chemosensory macromolecular machine. Nature Communications, 2020, 11, 2041.	12.8	38
13	A phenylalanine rotameric switch for signal-state control in bacterial chemoreceptors. Nature Communications, 2013, 4, 2881.	12.8	37
14	ETDB-Caltech: A blockchain-based distributed public database for electron tomography. PLoS ONE, 2019, 14, e0215531.	2.5	37
15	The presence and absence of periplasmic rings in bacterial flagellar motors correlates with stator type. ELife, 2019, 8, .	6.0	36
16	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
17	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
18	CryoEM structure of the type IVa pilus secretin required for natural competence in Vibrio cholerae. Nature Communications, 2020, 11, 5080.	12.8	21

#	ARTICLE	IF	CITATIONS
19	Atypical chemoreceptor arrays accommodate high membrane curvature. Nature Communications, 2020, 11, 5763.	12.8	20
20	The chemosensory systems of <i>Vibrio cholerae</i> . Molecular Microbiology, 2020, 114, 367-376.	2.5	20
21	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
22	Distinct Chemotaxis Protein Paralogs Assemble into Chemoreceptor Signaling Arrays To Coordinate Signaling Output. MBio, 2019, 10, .	4.1	10
23	Novel transient cytoplasmic rings stabilize assembling bacterial flagellar motors. EMBO Journal, 2022, 41, e109523.	7.8	10
24	Phylogenetic and Protein Sequence Analysis of Bacterial Chemoreceptors. Methods in Molecular Biology, 2018, 1729, 373-385.	0.9	3
25	Author's reply. Nature Reviews Microbiology, 2016, 14, 600-600.	28.6	0