

C Keith Cassidy

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

870
citations

840776

11
h-index

996975

15
g-index

22
all docs

22
docs citations

22
times ranked

1284
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular dynamics simulations of large macromolecular complexes. <i>Current Opinion in Structural Biology</i> , 2015, 31, 64-74.	5.7	347
2	CryoEM and computer simulations reveal a novel kinase conformational switch in bacterial chemotaxis signaling. <i>ELife</i> , 2015, 4, .	6.0	106
3	PyLipID: A Python Package for Analysis of Protein–Lipid Interactions from Molecular Dynamics Simulations. <i>Journal of Chemical Theory and Computation</i> , 2022, 18, 1188-1201.	5.3	69
4	Computational Methodologies for Real-Space Structural Refinement of Large Macromolecular Complexes. <i>Annual Review of Biophysics</i> , 2016, 45, 253-278.	10.0	67
5	<scp>CheY's</scp> acetylation sites responsible for generating clockwise flagellar rotation in <scp><i>E</i></scp> <i>scherichia coli</i>. <i>Molecular Microbiology</i> , 2015, 95, 231-244.	2.5	51
6	Complete structure of the chemosensory array core signalling unit in an E. coli minicell strain. <i>Nature Communications</i> , 2020, 11, 743.	12.8	47
7	Dynamics of an LPS translocon induced by substrate and an antimicrobial peptide. <i>Nature Chemical Biology</i> , 2021, 17, 187-195.	8.0	41
8	Structure and dynamics of the E. coli chemotaxis core signaling complex by cryo-electron tomography and molecular simulations. <i>Communications Biology</i> , 2020, 3, 24.	4.4	35
9	<i>In Situ</i> Conformational Changes of the Escherichia coli Serine Chemoreceptor in Different Signaling States. <i>MBio</i> , 2019, 10, .	4.1	29
10	The Unconventional Cytoplasmic Sensing Mechanism for Ethanol Chemotaxis in <i>Bacillus subtilis</i> . <i>MBio</i> , 2020, 11, .	4.1	20
11	CryoEM-based hybrid modeling approaches for structure determination. <i>Current Opinion in Microbiology</i> , 2018, 43, 14-23.	5.1	19
12	Hexameric rings of the scaffolding protein CheW enhance response sensitivity and cooperativity in <i>Escherichia coli</i> chemoreceptor arrays. <i>Science Signaling</i> , 2022, 15, eabj1737.	3.6	12
13	A Bacterial Inflammation Sensor Regulates c-di-GMP Signaling, Adhesion, and Biofilm Formation. <i>MBio</i> , 2021, 12, e0017321.	4.1	9
14	UVC inactivation of pathogenic samples suitable for cryo-EM analysis. <i>Communications Biology</i> , 2022, 5, 29.	4.4	7
15	Alternative Architecture of the E. coli Chemosensory Array. <i>Biomolecules</i> , 2021, 11, 495.	4.0	6
16	GPU-accelerated molecular dynamics clustering analysis with OpenACC. , 2017, , 215-240.		2
17	New Insights Into Bacterial Chemoreceptor Array From Electron Cryotomography. <i>Microscopy and Microanalysis</i> , 2018, 24, 1336-1337.	0.4	0