

Nicholas G Housden

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,278
citations

430874

18
h-index

477307

29
g-index

33
all docs

33
docs citations

33
times ranked

1619
citing authors

#	ARTICLE	IF	CITATIONS
1	High-resolution mass spectrometry of small molecules bound to membrane proteins. <i>Nature Methods</i> , 2016, 13, 333-336.	19.0	205
2	Supramolecular assemblies underpin turnover of outer membrane proteins in bacteria. <i>Nature</i> , 2015, 523, 333-336.	27.8	170
3	Intrinsically Disordered Protein Threads Through the Bacterial Outer-Membrane Porin OmpF. <i>Science</i> , 2013, 340, 1570-1574.	12.6	109
4	Cell entry mechanism of enzymatic bacterial colicins: Porin recruitment and the thermodynamics of receptor binding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 13849-13854.	7.1	87
5	Directed epitope delivery across the <i>Escherichia coli</i> outer membrane through the porin OmpF. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 21412-21417.	7.1	84
6	Allosteric $\hat{\Gamma}^2$ -propeller signalling in TolB and its manipulation by translocating colicins. <i>EMBO Journal</i> , 2009, 28, 2846-2857.	7.8	81
7	Exploitation of an iron transporter for bacterial protein antibiotic import. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 12051-12056.	7.1	76
8	Diversity and distribution of nuclease bacteriocins in bacterial genomes revealed using Hidden Markov Models. <i>PLoS Computational Biology</i> , 2017, 13, e1005652.	3.2	52
9	Native Desorption Electrospray Ionization Liberates Soluble and Membrane Protein Complexes from Surfaces. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14463-14468.	13.8	46
10	Pyocin S5 Import into <i>Pseudomonas aeruginosa</i> Reveals a Generic Mode of Bacteriocin Transport. <i>MBio</i> , 2020, 11, .	4.1	42
11	Lipid binding attenuates channel closure of the outer membrane protein OmpF. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 6691-6696.	7.1	39
12	Peptidoglycan maturation controls outer membrane protein assembly. <i>Nature</i> , 2022, 606, 953-959.	27.8	34
13	Flexibility in the Receptor-Binding Domain of the Enzymatic Colicin E9 Is Required for Toxicity against <i>Escherichia coli</i> Cells. <i>Journal of Bacteriology</i> , 2004, 186, 4520-4527.	2.2	29
14	A Force-Activated Trip Switch Triggers Rapid Dissociation of a Colicin from Its Immunity Protein. <i>PLoS Biology</i> , 2013, 11, e1001489.	5.6	26
15	O-Antigen-Dependent Colicin Insensitivity of Uropathogenic <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2019, 201, .	2.2	24
16	Kinetic Basis for the Competitive Recruitment of TolB by the Intrinsically Disordered Translocation Domain of Colicin E9. <i>Journal of Molecular Biology</i> , 2012, 418, 269-280.	4.2	22
17	Colicin translocation across the <i>Escherichia coli</i> outer membrane. <i>Biochemical Society Transactions</i> , 2012, 40, 1475-1479.	3.4	20
18	Orientation of the OmpF Porin in Planar Lipid Bilayers. <i>ChemBioChem</i> , 2017, 18, 554-562.	2.6	20

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19	Native Desorption Electrospray Ionization Liberates Soluble and Membrane Protein Complexes from Surfaces. <i>Angewandte Chemie</i> , 2017, 129, 14655-14660.	2.0	17
20	Targeted Killing of <i>Pseudomonas aeruginosa</i> by Pyocin G Occurs via the Hemin Transporter Hcr. <i>Journal of Molecular Biology</i> , 2020, 432, 3869-3880.	4.2	17
21	Structural and biophysical analysis of nuclease protein antibiotics. <i>Biochemical Journal</i> , 2016, 473, 2799-2812.	3.7	12
22	Directional Porin Binding of Intrinsically Disordered Protein Sequences Promotes Colicin Epitope Display in the Bacterial Periplasm. <i>Biochemistry</i> , 2018, 57, 4374-4381.	2.5	12
23	Toxin import through the antibiotic efflux channel TolC. <i>Nature Communications</i> , 2021, 12, 4625.	12.8	11
24	Porin threading drives receptor disengagement and establishes active colicin transport through <i>Escherichia coli</i> OmpF. <i>EMBO Journal</i> , 2021, 40, e108610.	7.8	11
25	Thermodynamic Dissection of Colicin Interactions. <i>Methods in Enzymology</i> , 2011, 488, 123-145.	1.0	8
26	Transmembrane Epitope Delivery by Passive Protein Threading through the Pores of the OmpF Porin Trimer. <i>Journal of the American Chemical Society</i> , 2020, 142, 12157-12166.	13.7	8
27	Colicin-Mediated Transport of DNA through the Iron Transporter FepA. <i>MBio</i> , 2021, 12, e0178721.	4.1	7
28	Immunity protein release from a cell-bound nuclease colicin complex requires global conformational rearrangement. <i>MicrobiologyOpen</i> , 2013, 2, 853-861.	3.0	5
29	Targeted Delivery of Narrow-Spectrum Protein Antibiotics to the Lower Gastrointestinal Tract in a Murine Model of <i>Escherichia coli</i> Colonization. <i>Frontiers in Microbiology</i> , 2021, 12, 670535.	3.5	4
30	Innenr��cktitelbild: Native Desorption Electrospray Ionization Liberates Soluble and Membrane Protein Complexes from Surfaces (<i>Angew. Chem.</i> 46/2017). <i>Angewandte Chemie</i> , 2017, 129, 14965-14965.	2.0	0