Trevor F Moraes

List of Publications by Year
in descending order

47	1,797	304368 22	301761 39
papers	citations	h-index	g-index

51	51	51	2209
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Crystal structure of the human ubiquitin conjugating enzyme complex, hMms2-hUbc13. Nature Structural Biology, 2001, 8, 669-673.	9.7	138
2	Structural biology of solute carrier (SLC) membrane transport proteins. Molecular Membrane Biology, 2017, 34, 1-32.	2.0	126
3	Global landscape of cell envelope protein complexes in Escherichia coli. Nature Biotechnology, 2018, 36, 103-112.	9.4	110
4	Insights into the Bacterial Transferrin Receptor: The Structure of Transferrin-Binding Protein B from Actinobacillus pleuropneumoniae. Molecular Cell, 2009, 35, 523-533.	4.5	80
5	A phage-encoded anti-activator inhibits quorum sensing in Pseudomonas aeruginosa. Molecular Cell, 2021, 81, 571-583.e6.	4.5	80
6	Piecing together the Type III injectisome of bacterial pathogens. Current Opinion in Structural Biology, 2008, 18, 258-266.	2.6	79
7	An arginine ladder in OprP mediates phosphate-specific transfer across the outer membrane. Nature Structural and Molecular Biology, 2007, 14, 85-87.	3.6	74
8	Membrane transport metabolons. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 2687-2706.	1.4	72
9	The structural basis of transferrin sequestration by transferrin-binding protein B. Nature Structural and Molecular Biology, 2012, 19, 358-360.	3.6	71
10	Slam is an outer membrane protein that is required for the surface display of lipidated virulence factors in Neisseria. Nature Microbiology, 2016, 1, 16009.	5.9	63
11	Disabling a Type I-E CRISPR-Cas Nuclease with a Bacteriophage-Encoded Anti-CRISPR Protein. MBio, 2017, 8, .	1.8	63
12	Bacterial receptors for host transferrin and lactoferrin: molecular mechanisms and role in hostâ€“microbe interactions. Future Microbiology, 2013, 8, 1575-1585.	1.0	59
13	The molecular mechanism of Zinc acquisition by the neisserial outer-membrane transporter ZnuD. Nature Communications, 2015, 6, 7996.	5.8	58
14	PilN Binding Modulates the Structure and Binding Partners of the Pseudomonas aeruginosa Type IVa Pilus Protein PilM. Journal of Biological Chemistry, 2016, 291, 11003-11015.	1.6	53
15	Nonbinding Site-Directed Mutants of Transferrin Binding Protein B Exhibit Enhanced Immunogenicity and Protective Capabilities. Infection and Immunity, 2015, 83, 1030-1038.	1.0	50
16	Inhibition of CRISPR-Cas9 ribonucleoprotein complex assembly by anti-CRISPR AcrIIC2. Nature Communications, 2019, 10, 2806.	5.8	50
17	Energetics and Specificity of Interactions within UbÂ·UevÂ·Ubc13 Human Ubiquitin Conjugation Complexes. Biochemistry, 2003, 42, 7922-7930.	1.2	42
18	Structural Variations within the Transferrin Binding Site on Transferrin-binding Protein B, TbpB. Journal of Biological Chemistry, 2011, 286, 12683-12692.	1.6	42

#	Article	IF	Citations
19	A Substrate Access Tunnel in the Cytosolic Domain Is Not an Essential Feature of the Solute Carrier 4 (SLC4) Family of Bicarbonate Transporters. Journal of Biological Chemistry, 2013, 288, 33848-33860.	1.6	32
20	Binding properties of YjeQ (RsgA), RbfA, RimM and Era to assembly intermediates of the 30S subunit. Nucleic Acids Research, 2016, 44, gkw613.	6.5	32
21	Utility of Hybrid Transferrin Binding Protein Antigens for Protection Against Pathogenic Neisseria Species. Frontiers in Immunology, 2019, 10, 247.	2.2	32
22	Active Transport of Phosphorylated Carbohydrates Promotes Intestinal Colonization and Transmission of a Bacterial Pathogen. PLoS Pathogens, 2015, 11, e1005107.	2.1	30
23	Iron acquisition through the bacterial transferrin receptor. Critical Reviews in Biochemistry and Molecular Biology, 2017, 52, 314-326.	2.3	27
24	Identification of a Large Family of Slam-Dependent Surface Lipoproteins in Gram-Negative Bacteria. Frontiers in Cellular and Infection Microbiology, 2017, 7, 207.	1.8	27
25	Lactoferrin binding protein B â€“ a bi-functional bacterial receptor protein. PLoS Pathogens, 2017, 13, e1006244.	2.1	27
26	Neisserial surface lipoproteins: structure, function and biogenesis. Pathogens and Disease, 2017, 75, .	0.8	26
27	Translocation of lipoproteins to the surface of gram negative bacteria. Current Opinion in Structural Biology, 2018, 51, 73-79.	2.6	25
28	Anchor Peptide of Transferrin-binding Protein B Is Required for Interaction with Transferrin-binding Protein A. Journal of Biological Chemistry, 2011, 286, 45165-45173.	1.6	22
29	A Slam-dependent hemophore contributes to heme acquisition in the bacterial pathogen Acinetobacter baumannii. Nature Communications, 2021, 12, 6270.	5.8	20
30	Conserved Interaction between Transferrin and Transferrin-binding Proteins from Porcine Pathogens. Journal of Biological Chemistry, 2011, 286, 21353-21360.	1.6	18
31	Inhibition of polar actin assembly by astral microtubules is required for cytokinesis. Nature Communications, 2021, 12, 2409.	5.8	18
32	Patterns of structural and sequence variation within isotype lineages of the Neisseria meningitidis transferrin receptor system. MicrobiologyOpen, 2015, 4, 491-504.	1.2	17
33	â€˜ANDâ€™ logic gates at work: Crystal structure of Rad53 bound to Dbf4 and Cdc7. Scientific Reports, 2016, 6, 34237.	1.6	17
34	Structural Basis for Evasion of Nutritional Immunity by the Pathogenic Neisseriae. Frontiers in Microbiology, 2019, 10, 2981.	1.5	16
35	The surface lipoproteins of gram-negative bacteria: Protectors and foragers in harsh environments. Journal of Biological Chemistry, 2021, 296, 100147.	1.6	16
36	Lactoferrin receptors in Gram-negative bacteria: an evolutionary perspective. Biochemistry and Cell Biology, 2021, 99, 102-108.	0.9	15

#	Article	IF	Citations
37	The scaffold-protein IQGAP1 enhances and spatially restricts the actin-nucleating activity of Diaphanous-related formin 1 (DIAPH1). Journal of Biological Chemistry, 2020, 295, 3134-3147.	1.6	11
38	Solute carriers keep on rockin'. Nature Structural and Molecular Biology, 2015, 22, 752-754.	3.6	9
39	Effect of SLC26 anion transporter disease-causing mutations on the stability of the homologous STAS domain of E. coli DauA (YchM). Biochemical Journal, 2016, 473, 615-626.	1.7	8
40	A method for measuring binding constants using unpurified inÂvivo biotinylated ligands. Analytical Biochemistry, 2016, 501, 35-43.	1.1	7
41	Actinobacillus utilizes a binding proteinâ€“dependent ABC transporter to acquire the active form of vitamin B6. Journal of Biological Chemistry, 2021, 297, 101046.	1.6	7
42	Structural Aspects of Bacterial Outer Membrane Protein Assembly. Advances in Experimental Medicine and Biology, 2015, 883, 255-270.	0.8	6
43	Transferrin Binding Protein B and Transferrin Binding Protein A2 Expand the Transferrin Recognition Range of Histophilus somni. Journal of Bacteriology, 2020, 202, .	1.0	6
44	Reconstitution of surface lipoprotein translocation through the Slam translocon. ELife, 2022, 11, .	2.8	6
45	Steric and allosteric factors prevent simultaneous binding of transferrin-binding proteins A and B to transferrin. Biochemical Journal, 2012, 444, 189-197.	1.7	5
46	Uev1A amino terminus stimulates poly-ubiquitin chain assembly and is required for NF-ÎºB activation. Cellular Signalling, 2020, 74, 109712.	1.7	3
47	O01.3â€…Engineering hybrid bacterial transferrin receptor-based vaccines to confer broad protection againstneisseria gonorrhoeae. , 2019, , .		0