

# Trevor F Moraes

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

1,797  
citations

304743

22  
h-index

302126

39  
g-index

51  
all docs

51  
docs citations

51  
times ranked

2209  
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystal structure of the human ubiquitin conjugating enzyme complex, hMms2-hUbc13. <i>Nature Structural Biology</i> , 2001, 8, 669-673.	9.7	138
2	Structural biology of solute carrier (SLC) membrane transport proteins. <i>Molecular Membrane Biology</i> , 2017, 34, 1-32.	2.0	126
3	Global landscape of cell envelope protein complexes in <i>Escherichia coli</i> . <i>Nature Biotechnology</i> , 2018, 36, 103-112.	17.5	110
4	Insights into the Bacterial Transferrin Receptor: The Structure of Transferrin-Binding Protein B from <i>Actinobacillus pleuropneumoniae</i> . <i>Molecular Cell</i> , 2009, 35, 523-533.	9.7	80
5	A phage-encoded anti-activator inhibits quorum sensing in <i>Pseudomonas aeruginosa</i> . <i>Molecular Cell</i> , 2021, 81, 571-583.e6.	9.7	80
6	Piecing together the Type III injectisome of bacterial pathogens. <i>Current Opinion in Structural Biology</i> , 2008, 18, 258-266.	5.7	79
7	An arginine ladder in OprP mediates phosphate-specific transfer across the outer membrane. <i>Nature Structural and Molecular Biology</i> , 2007, 14, 85-87.	8.2	74
8	Membrane transport metabolons. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 2687-2706.	2.6	72
9	The structural basis of transferrin sequestration by transferrin-binding protein B. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 358-360.	8.2	71
10	Slam is an outer membrane protein that is required for the surface display of lipidated virulence factors in <i>Neisseria</i> . <i>Nature Microbiology</i> , 2016, 1, 16009.	13.3	63
11	Disabling a Type I-E CRISPR-Cas Nuclease with a Bacteriophage-Encoded Anti-CRISPR Protein. <i>MBio</i> , 2017, 8, .	4.1	63
12	Bacterial receptors for host transferrin and lactoferrin: molecular mechanisms and role in host-microbe interactions. <i>Future Microbiology</i> , 2013, 8, 1575-1585.	2.0	59
13	The molecular mechanism of Zinc acquisition by the neisserial outer-membrane transporter ZnuD. <i>Nature Communications</i> , 2015, 6, 7996.	12.8	58
14	PilN Binding Modulates the Structure and Binding Partners of the <i>Pseudomonas aeruginosa</i> Type IVa Pilus Protein PilM. <i>Journal of Biological Chemistry</i> , 2016, 291, 11003-11015.	3.4	53
15	Nonbinding Site-Directed Mutants of Transferrin Binding Protein B Exhibit Enhanced Immunogenicity and Protective Capabilities. <i>Infection and Immunity</i> , 2015, 83, 1030-1038.	2.2	50
16	Inhibition of CRISPR-Cas9 ribonucleoprotein complex assembly by anti-CRISPR AcrIIc2. <i>Nature Communications</i> , 2019, 10, 2806.	12.8	50
17	Energetics and Specificity of Interactions within Ub-Uev-Ubc13 Human Ubiquitin Conjugation Complexes. <i>Biochemistry</i> , 2003, 42, 7922-7930.	2.5	42
18	Structural Variations within the Transferrin Binding Site on Transferrin-binding Protein B, TbpB. <i>Journal of Biological Chemistry</i> , 2011, 286, 12683-12692.	3.4	42

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19	A Substrate Access Tunnel in the Cytosolic Domain Is Not an Essential Feature of the Solute Carrier 4 (SLC4) Family of Bicarbonate Transporters. <i>Journal of Biological Chemistry</i> , 2013, 288, 33848-33860.	3.4	32
20	Binding properties of YjeQ (RsgA), RbfA, RimM and Era to assembly intermediates of the 30S subunit. <i>Nucleic Acids Research</i> , 2016, 44, gkw613.	14.5	32
21	Utility of Hybrid Transferrin Binding Protein Antigens for Protection Against Pathogenic Neisseria Species. <i>Frontiers in Immunology</i> , 2019, 10, 247.	4.8	32
22	Active Transport of Phosphorylated Carbohydrates Promotes Intestinal Colonization and Transmission of a Bacterial Pathogen. <i>PLoS Pathogens</i> , 2015, 11, e1005107.	4.7	30
23	Iron acquisition through the bacterial transferrin receptor. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2017, 52, 314-326.	5.2	27
24	Identification of a Large Family of Slam-Dependent Surface Lipoproteins in Gram-Negative Bacteria. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 207.	3.9	27
25	Lactoferrin binding protein B " a bi-functional bacterial receptor protein. <i>PLoS Pathogens</i> , 2017, 13, e1006244.	4.7	27
26	Neisserial surface lipoproteins: structure, function and biogenesis. <i>Pathogens and Disease</i> , 2017, 75, .	2.0	26
27	Translocation of lipoproteins to the surface of gram negative bacteria. <i>Current Opinion in Structural Biology</i> , 2018, 51, 73-79.	5.7	25
28	Anchor Peptide of Transferrin-binding Protein B Is Required for Interaction with Transferrin-binding Protein A. <i>Journal of Biological Chemistry</i> , 2011, 286, 45165-45173.	3.4	22
29	A Slam-dependent hemophore contributes to heme acquisition in the bacterial pathogen <i>Acinetobacter baumannii</i> . <i>Nature Communications</i> , 2021, 12, 6270.	12.8	20
30	Conserved Interaction between Transferrin and Transferrin-binding Proteins from Porcine Pathogens. <i>Journal of Biological Chemistry</i> , 2011, 286, 21353-21360.	3.4	18
31	Inhibition of polar actin assembly by astral microtubules is required for cytokinesis. <i>Nature Communications</i> , 2021, 12, 2409.	12.8	18
32	Patterns of structural and sequence variation within isotype lineages of the <i>Neisseria meningitidis</i> transferrin receptor system. <i>MicrobiologyOpen</i> , 2015, 4, 491-504.	3.0	17
33	"AND"™ logic gates at work: Crystal structure of Rad53 bound to Dbf4 and Cdc7. <i>Scientific Reports</i> , 2016, 6, 34237.	3.3	17
34	Structural Basis for Evasion of Nutritional Immunity by the Pathogenic Neisseriae. <i>Frontiers in Microbiology</i> , 2019, 10, 2981.	3.5	16
35	The surface lipoproteins of gram-negative bacteria: Protectors and foragers in harsh environments. <i>Journal of Biological Chemistry</i> , 2021, 296, 100147.	3.4	16
36	Lactoferrin receptors in Gram-negative bacteria: an evolutionary perspective. <i>Biochemistry and Cell Biology</i> , 2021, 99, 102-108.	2.0	15

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37	The scaffold-protein IQGAP1 enhances and spatially restricts the actin-nucleating activity of Diaphanous-related formin 1 (DIAPH1). <i>Journal of Biological Chemistry</i> , 2020, 295, 3134-3147.	3.4	11
38	Solute carriers keep on rockin'. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 752-754.	8.2	9
39	Effect of SLC26 anion transporter disease-causing mutations on the stability of the homologous STAS domain of <i>E. coli</i> DauA (YchM). <i>Biochemical Journal</i> , 2016, 473, 615-626.	3.7	8
40	A method for measuring binding constants using unpurified in vivo biotinylated ligands. <i>Analytical Biochemistry</i> , 2016, 501, 35-43.	2.4	7
41	<i>Actinobacillus</i> utilizes a binding protein-dependent ABC transporter to acquire the active form of vitamin B6. <i>Journal of Biological Chemistry</i> , 2021, 297, 101046.	3.4	7
42	Structural Aspects of Bacterial Outer Membrane Protein Assembly. <i>Advances in Experimental Medicine and Biology</i> , 2015, 883, 255-270.	1.6	6
43	Transferrin Binding Protein B and Transferrin Binding Protein A2 Expand the Transferrin Recognition Range of <i>Histophilus somni</i> . <i>Journal of Bacteriology</i> , 2020, 202, .	2.2	6
44	Reconstitution of surface lipoprotein translocation through the Slam translocon. <i>ELife</i> , 2022, 11, .	6.0	6
45	Steric and allosteric factors prevent simultaneous binding of transferrin-binding proteins A and B to transferrin. <i>Biochemical Journal</i> , 2012, 444, 189-197.	3.7	5
46	Uev1A amino terminus stimulates poly-ubiquitin chain assembly and is required for NF- $\kappa$ B activation. <i>Cellular Signalling</i> , 2020, 74, 109712.	3.6	3
47	O01.3...Engineering hybrid bacterial transferrin receptor-based vaccines to confer broad protection against <i>Neisseria gonorrhoeae</i> . , 2019, , .		0