

Michael L Barta

List of Publications by Year in descending order

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papers

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840776

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#	ARTICLE	IF	CITATIONS
1	Composition and Biophysical Properties of the Sorting Platform Pods in the Shigella Type III Secretion System. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 682635.	3.9	9
2	The Tip Complex: From Host Cell Sensing to Translocon Formation. <i>Current Topics in Microbiology and Immunology</i> , 2019, 427, 173-199.	1.1	6
3	The cytoplasmic domain of MxiG interacts with MxiK and directs assembly of the sorting platform in the Shigella type III secretion system. <i>Journal of Biological Chemistry</i> , 2019, 294, 19184-19196.	3.4	20
4	Using disruptive insertional mutagenesis to identify the <i>in situ</i> structure–function landscape of the Shigella translocator protein IpaB. <i>Protein Science</i> , 2018, 27, 1392-1406.	7.6	13
5	The Loss of Expression of a Single Type 3 Effector (CT622) Strongly Reduces Chlamydia trachomatis Infectivity and Growth. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 145.	3.9	21
6	Single-domain antibodies pinpoint potential targets within Shigella invasion plasmid antigen D of the needle tip complex for inhibition of type III secretion. <i>Journal of Biological Chemistry</i> , 2017, 292, 16677-16687.	3.4	16
7	Evaluation of lumazine synthase from Bacillus anthracis as a presentation platform for polyvalent antigen display. <i>Protein Science</i> , 2017, 26, 2059-2072.	7.6	10
8	Characterization of Type Three Secretion System Translocator Interactions with Phospholipid Membranes. <i>Methods in Molecular Biology</i> , 2017, 1531, 81-91.	0.9	3
9	Recombinant Expression and Purification of the Shigella Translocator IpaB. <i>Methods in Molecular Biology</i> , 2017, 1531, 173-181.	0.9	4
10	Computational modeling of TC0583 as a putative component of the Chlamydia muridarum V-type ATP synthase complex and assessment of its protective capabilities as a vaccine antigen. <i>Microbes and Infection</i> , 2016, 18, 245-253.	1.9	6
11	Hypothetical protein CT398 (C _{dsZ}) interacts with σ^{54} (RpoN) holoenzyme and the type III secretion export apparatus in Chlamydia trachomatis. <i>Protein Science</i> , 2015, 24, 1617-1632.	7.6	23
12	Structural and Biochemical Characterization of Chlamydia trachomatis Hypothetical Protein CT263 Supports That Menaquinone Synthesis Occurs through the Futasine Pathway. <i>Journal of Biological Chemistry</i> , 2014, 289, 32214-32229.	3.4	23
13	Structure of CT584 from Chlamydia trachomatis refined to 3.05 Å resolution. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 1196-1201.	0.7	8
14	Studies of the conformational stability of invasion plasmid antigen B from Shigella. <i>Protein Science</i> , 2013, 22, 666-670.	7.6	8
15	Structural Basis for Nucleotide Binding and Reaction Catalysis in Mevalonate Diphosphate Decarboxylase. <i>Biochemistry</i> , 2012, 51, 5611-5621.	2.5	23
16	The Structures of Coiled-Coil Domains from Type III Secretion System Translocators Reveal Homology to Pore-Forming Toxins. <i>Journal of Molecular Biology</i> , 2012, 417, 395-405.	4.2	63
17	Identification of the bile salt binding site on IpaD from Shigella flexneri and the influence of ligand binding on IpaD structure. <i>Proteins: Structure, Function and Bioinformatics</i> , 2012, 80, 935-945.	2.6	51
18	Biochemical and Structural Basis for Inhibition of Enterococcus faecalis Hydroxymethylglutaryl-CoA Synthase, mvaS, by Hymeglusin. <i>Biochemistry</i> , 2012, 51, 4713-4722.	2.5	29

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19	Crystal Structures of Staphylococcus epidermidis Mevalonate Diphosphate Decarboxylase Bound to Inhibitory Analogs Reveal New Insight into Substrate Binding and Catalysis. Journal of Biological Chemistry, 2011, 286, 23900-23910.	3.4	29
20	Evidence for alternative quaternary structure in a bacterial Type III secretion system chaperone. BMC Structural Biology, 2010, 10, 21.	2.3	18