

Michael L Barta

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

383
citations

840776

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21
times ranked

469
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | 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 |
| 2 | Identification of the bile salt binding site on IpaD from <i>Shigella flexneri</i> and the influence of ligand binding on IpaD structure. <i>Proteins: Structure, Function and Bioinformatics</i> , 2012, 80, 935-945. | 2.6 | 51 |
| 3 | Crystal Structures of <i>Staphylococcus epidermidis</i> Mevalonate Diphosphate Decarboxylase Bound to Inhibitory Analogs Reveal New Insight into Substrate Binding and Catalysis. <i>Journal of Biological Chemistry</i> , 2011, 286, 23900-23910. | 3.4 | 29 |
| 4 | Biochemical and Structural Basis for Inhibition of <i>Enterococcus faecalis</i> Hydroxymethylglutaryl-CoA Synthase, <i>mvaS</i> , by Hymeglusin. <i>Biochemistry</i> , 2012, 51, 4713-4722. | 2.5 | 29 |
| 5 | Structural Basis for Nucleotide Binding and Reaction Catalysis in Mevalonate Diphosphate Decarboxylase. <i>Biochemistry</i> , 2012, 51, 5611-5621. | 2.5 | 23 |
| 6 | Structural and Biochemical Characterization of <i>Chlamydia trachomatis</i> Hypothetical Protein CT263 Supports That Menaquinone Synthesis Occurs through the Futasolone Pathway. <i>Journal of Biological Chemistry</i> , 2014, 289, 32214-32229. | 3.4 | 23 |
| 7 | Hypothetical protein CT398 (CdsZ) interacts with σ^{54} (<i>RpoN</i>) holoenzyme and the type III secretion export apparatus in <i>Chlamydia trachomatis</i> . <i>Protein Science</i> , 2015, 24, 1617-1632. | 7.6 | 23 |
| 8 | The Loss of Expression of a Single Type 3 Effector (CT622) Strongly Reduces <i>Chlamydia trachomatis</i> Infectivity and Growth. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 145. | 3.9 | 21 |
| 9 | The cytoplasmic domain of MxiG interacts with MxiK and directs assembly of the sorting platform in the <i>Shigella</i> type III secretion system. <i>Journal of Biological Chemistry</i> , 2019, 294, 19184-19196. | 3.4 | 20 |
| 10 | Evidence for alternative quaternary structure in a bacterial Type III secretion system chaperone. <i>BMC Structural Biology</i> , 2010, 10, 21. | 2.3 | 18 |
| 11 | Single-domain antibodies pinpoint potential targets within <i>Shigella</i> 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 |
| 12 | Using disruptive insertional mutagenesis to identify the <i>in situ</i> structure-function landscape of the <i>Shigella</i> translocator protein IpaB. <i>Protein Science</i> , 2018, 27, 1392-1406. | 7.6 | 13 |
| 13 | Evaluation of lumazine synthase from <i>Bacillus anthracis</i> as a presentation platform for polyvalent antigen display. <i>Protein Science</i> , 2017, 26, 2059-2072. | 7.6 | 10 |
| 14 | Composition and Biophysical Properties of the Sorting Platform Pods in the <i>Shigella</i> Type III Secretion System. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 682635. | 3.9 | 9 |
| 15 | Structure of CT584 from <i>Chlamydia trachomatis</i> refined to 3.05 Å resolution. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 1196-1201. | 0.7 | 8 |
| 16 | Studies of the conformational stability of invasion plasmid antigen B from <i>Shigella</i> . <i>Protein Science</i> , 2013, 22, 666-670. | 7.6 | 8 |
| 17 | Computational modeling of TC0583 as a putative component of the <i>Chlamydia muridarum</i> 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 |
| 18 | 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 |

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|----|---|-----|-----------|
| 19 | Recombinant Expression and Purification of the Shigella Translocator IpaB. Methods in Molecular Biology, 2017, 1531, 173-181. | 0.9 | 4 |
| 20 | Characterization of Type Three Secretion System Translocator Interactions with Phospholipid Membranes. Methods in Molecular Biology, 2017, 1531, 81-91. | 0.9 | 3 |