

Martin J Boulanger

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,389
citations

331670

21
h-index

377865

34
g-index

51
all docs

51
docs citations

51
times ranked

1866
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasticity and redundancy among AMA1-RON pairs ensure host cell entry of <i>Toxoplasma</i> parasites. <i>Nature Communications</i> , 2014, 5, 4098.	12.8	138
2	A ribosome-inactivating protein in a <i>Drosophila</i> defensive symbiont. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 350-355.	7.1	101
3	Immunization with a functional protein complex required for erythrocyte invasion protects against lethal malaria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10311-10316.	7.1	92
4	Structural and Biochemical Characterization of <i>Plasmodium falciparum</i> 12 (Pf12) Reveals a Unique Interdomain Organization and the Potential for an Antiparallel Arrangement with Pf41. <i>Journal of Biological Chemistry</i> , 2013, 288, 12805-12817.	3.4	63
5	Bifunctional Role of the <i>Treponema pallidum</i> Extracellular Matrix Binding Adhesin Tp0751. <i>Infection and Immunity</i> , 2011, 79, 1386-1398.	2.2	58
6	Efficient invasion by <i>Toxoplasma</i> depends on the subversion of host protein networks. <i>Nature Microbiology</i> , 2017, 2, 1358-1366.	13.3	54
7	Antibody targeting of a specific region of Pfs47 blocks <i>Plasmodium falciparum</i> malaria transmission. <i>Npj Vaccines</i> , 2018, 3, 26.	6.0	54
8	<i>Plasmodium falciparum</i> evades immunity of anopheline mosquitoes by interacting with a Pfs47 midgut receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 2597-2605.	7.1	52
9	Systems-Based Analysis of the <i>Sarcocystis neurona</i> Genome Identifies Pathways That Contribute to a Heteroxenous Life Cycle. <i>MBio</i> , 2015, 6, .	4.1	49
10	A lipid-binding protein mediates rhoptry discharge and invasion in <i>Plasmodium falciparum</i> and <i>Toxoplasma gondii</i> parasites. <i>Nature Communications</i> , 2019, 10, 4041.	12.8	47
11	Structural Characterization of Apical Membrane Antigen 1 (AMA1) from <i>Toxoplasma gondii</i> . <i>Journal of Biological Chemistry</i> , 2010, 285, 15644-15652.	3.4	46
12	Structural and Functional Characterization of SporoSAG. <i>Journal of Biological Chemistry</i> , 2010, 285, 12063-12070.	3.4	37
13	Post-translational Modification of LipL32 during <i>Leptospira interrogans</i> Infection. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e3280.	3.0	37
14	<i>Babesia divergens</i> and <i>Neospora caninum</i> apical membrane antigen 1 structures reveal selectivity and plasticity in apicomplexan parasite host cell invasion. <i>Protein Science</i> , 2013, 22, 114-127.	7.6	35
15	Dissecting the interface between apicomplexan parasite and host cell: Insights from a divergent AMA1-RON2 pair. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 398-403.	7.1	33
16	A Conserved Apicomplexan Microneme Protein Contributes to <i>Toxoplasma gondii</i> Invasion and Virulence. <i>Infection and Immunity</i> , 2014, 82, 4358-4368.	2.2	32
17	Structural Characterization of the Bradyzoite Surface Antigen (BSR4) from <i>Toxoplasma gondii</i> , a Unique Addition to the Surface Antigen Glycoprotein 1-related Superfamily. <i>Journal of Biological Chemistry</i> , 2009, 284, 9192-9198.	3.4	31
18	The Structure of <i>Treponema pallidum</i> Tp0751 (Pallilysin) Reveals a Non-canonical Lipocalin Fold That Mediates Adhesion to Extracellular Matrix Components and Interactions with Host Cells. <i>PLoS Pathogens</i> , 2016, 12, e1005919.	4.7	29

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19	Structural determinants of Rab11 activation by the guanine nucleotide exchange factor SH3BP5. <i>Nature Communications</i> , 2018, 9, 3772.	12.8	29
20	Host Mitochondrial Association Evolved in the Human Parasite <i>Toxoplasma gondii</i> via Neofunctionalization of a Gene Duplicate. <i>Genetics</i> , 2016, 203, 283-298.	2.9	27
21	Structural and mechanistic insights into the function of the unconventional class XIV myosin MyoA from <i>Toxoplasma gondii</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E10548-E10555.	7.1	27
22	The Structure of Plasmodium falciparum Blood-Stage 6-Cys Protein Pf41 Reveals an Unexpected Intra-Domain Insertion Required for Pf12 Coordination. <i>PLoS ONE</i> , 2015, 10, e0139407.	2.5	23
23	Structural and Biochemical Characterization of a Novel Aldehyde Dehydrogenase Encoded by the Benzoate Oxidation Pathway in Burkholderia xenovorans LB400. <i>Journal of Molecular Biology</i> , 2008, 379, 597-608.	4.2	22
24	Characterization of the c10orf76-PI4KB complex and its necessity for Golgi PI4P levels and enterovirus replication. <i>EMBO Reports</i> , 2020, 21, e48441.	4.5	21
25	Dissecting the molecular assembly of the <i>Toxoplasma gondii</i> MyoA motility complex. <i>Journal of Biological Chemistry</i> , 2017, 292, 19469-19477.	3.4	20
26	A <i>Toxoplasma gondii</i> locus required for the direct manipulation of host mitochondria has maintained multiple ancestral functions. <i>Molecular Microbiology</i> , 2018, 108, 519-535.	2.5	20
27	<i>Toxoplasma gondii</i> MAF1b Binds the Host Cell MIB Complex To Mediate Mitochondrial Association. <i>MSphere</i> , 2017, 2, .	2.9	19
28	<i>Toxoplasma gondii</i> association with host mitochondria requires key mitochondrial protein import machinery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	18
29	Stability of the Plasmodium falciparum AMA1-RON2 Complex Is Governed by the Domain II (DII) Loop. <i>PLoS ONE</i> , 2016, 11, e0144764.	2.5	17
30	An Extended Surface Loop on <i>Toxoplasma gondii</i> Apical Membrane Antigen 1 (AMA1) Governs Ligand Binding Selectivity. <i>PLoS ONE</i> , 2015, 10, e0126206.	2.5	16
31	Defining How Oncogenic and Developmental Mutations of PIK3R1 Alter the Regulation of Class IA Phosphoinositide 3-Kinases. <i>Structure</i> , 2020, 28, 145-156.e5.	3.3	16
32	Apicomplexan parasite adhesins: novel strategies for targeting host cell carbohydrates. <i>Current Opinion in Structural Biology</i> , 2010, 20, 551-559.	5.7	15
33	Structure of the micronemal protein 2 A/I domain from <i>Toxoplasma gondii</i> . <i>Protein Science</i> , 2010, 19, 1985-1990.	7.6	15
34	The Inner Membrane Complex Sub-compartment Proteins Critical for Replication of the Apicomplexan Parasite <i>Toxoplasma gondii</i> Adopt a Pleckstrin Homology Fold. <i>Journal of Biological Chemistry</i> , 2014, 289, 13962-13973.	3.4	14
35	Structural and Biophysical Characterization of BoxC from Burkholderia xenovorans LB400. <i>Journal of Biological Chemistry</i> , 2009, 284, 16377-16385.	3.4	12
36	Structural and Functional Divergence of the Aldolase Fold in <i>Toxoplasma gondii</i> . <i>Journal of Molecular Biology</i> , 2015, 427, 840-852.	4.2	11

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37	The Structure of <i>Treponema pallidum</i> Tp0624 Reveals a Modular Assembly of Divergently Functionalized and Previously Uncharacterized Domains. <i>PLoS ONE</i> , 2016, 11, e0166274.	2.5	10
38	Investigating Terephthalate Biodegradation: Structural Characterization of a Putative Decarboxylating cis-Dihydrodiol Dehydrogenase. <i>Journal of Molecular Biology</i> , 2012, 423, 284-293.	4.2	7
39	The Shear Stress of Host Cell Invasion: Exploring the Role of Biomolecular Complexes. <i>PLoS Pathogens</i> , 2015, 11, e1004539.	4.7	7
40	Structural and functional characterization of a triple mutant form of S100A7 defective for Jab1 binding. <i>Protein Science</i> , 2009, 18, 2615-2623.	7.6	6
41	Parasitic nematode fatty acid- and retinol-binding proteins compromise host immunity by interfering with host lipid signaling pathways. <i>PLoS Pathogens</i> , 2021, 17, e1010027.	4.7	6
42	Conformational analysis of peramivir reveals critical differences between free and enzyme-bound states. <i>MedChemComm</i> , 2014, 5, 1483-1488.	3.4	5
43	Structural characterization of <i>Treponema pallidum</i> Tp0225 reveals an unexpected leucine-rich repeat architecture. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2019, 75, 489-495.	0.8	5
44	The FAR protein family of parasitic nematodes. <i>PLoS Pathogens</i> , 2022, 18, e1010424.	4.7	4
45	Elucidating the reaction mechanism of the benzoate oxidation pathway encoded aldehyde dehydrogenase from <i>Burkholderia xenovorans</i> LB400. <i>Protein Science</i> , 2011, 20, 1048-1059.	7.6	3
46	Characterization of Calflagin, a Flagellar Calcium-Binding Protein from <i>Trypanosoma congolense</i> . <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004510.	3.0	3
47	The structure of <i>Plasmodium falciparum</i> 3D7_0606800 reveals a bilobed architecture that supports reannotation as a Venus Flytrap protein. <i>Protein Science</i> , 2017, 26, 1878-1885.	7.6	2
48	Structural characterization reveals a novel bilobed architecture for the ectodomains of insect stage expressed <i>Trypanosoma brucei</i> PSSA2 and <i>Trypanosoma congolense</i> ISA. <i>Protein Science</i> , 2016, 25, 2297-2302.	7.6	1
49	O16.4...Structural similarity of <i>Treponema pallidum</i> protein Tp0225 with human toll-like receptor 2. , ,		0
50	Monoclonal antibody 7H2.2 binds the C-terminus of the cancer-oocyte antigen SAS1B through the hydrophilic face of a conserved amphipathic helix corresponding to one of only two regions predicted to be ordered. <i>Acta Crystallographica Section D: Structural Biology</i> , 2022, 78, 623-632.	2.3	0