

# Marco Bellinzoni

## List of Publications by Year in descending order

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50  
papers

2,005  
citations

257450

24  
h-index

254184

43  
g-index

54  
all docs

54  
docs citations

54  
times ranked

2767  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mycobacterial Ser/Thr protein kinases and phosphatases: Physiological roles and therapeutic potential. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2008, 1784, 193-202.	2.3	153
2	Rv2686c-Rv2687c-Rv2688c, an ABC Fluoroquinolone Efflux Pump in <i>Mycobacterium tuberculosis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 3175-3178.	3.2	148
3	Regulation of glutamate metabolism by protein kinases in mycobacteria. <i>Molecular Microbiology</i> , 2008, 70, 1408-1423.	2.5	147
4	The Multidrug Transporters Belonging to Major Facilitator Superfamily (MFS) in <i>Mycobacterium tuberculosis</i> . <i>Molecular Medicine</i> , 2002, 8, 714-724.	4.4	111
5	The structure of PknB in complex with mitoxantrone, an ATP-competitive inhibitor, suggests a mode of protein kinase regulation in mycobacteria. <i>FEBS Letters</i> , 2006, 580, 3018-3022.	2.8	100
6	The TB structural genomics consortium: a resource for <i>Mycobacterium tuberculosis</i> biology. <i>Tuberculosis</i> , 2003, 83, 223-249.	1.9	95
7	Conserved autophosphorylation pattern in activation loops and juxtamembrane regions of <i>Mycobacterium tuberculosis</i> Ser/Thr protein kinases. <i>Biochemical and Biophysical Research Communications</i> , 2005, 333, 858-867.	2.1	83
8	PknG senses amino acid availability to control metabolism and virulence of <i>Mycobacterium tuberculosis</i> . <i>PLoS Pathogens</i> , 2017, 13, e1006399.	4.7	81
9	Functional Plasticity and Allosteric Regulation of $\alpha$ -Ketoglutarate Decarboxylase in Central Mycobacterial Metabolism. <i>Chemistry and Biology</i> , 2011, 18, 1011-1020.	6.0	75
10	Thiophenecarboxamide Derivatives Activated by EthA Kill <i>Mycobacterium tuberculosis</i> by Inhibiting the CTP Synthetase PyrG. <i>Chemistry and Biology</i> , 2015, 22, 917-927.	6.0	72
11	Structural and Binding Studies of the Three-metal Center in Two Mycobacterial PPM Ser/Thr Protein Phosphatases. <i>Journal of Molecular Biology</i> , 2007, 374, 890-898.	4.2	66
12	Biological and structural characterization of the <i>Mycobacterium smegmatis</i> nitroreductase NfnB, and its role in benzothiazinone resistance. <i>Molecular Microbiology</i> , 2010, 77, 1172-1185.	2.5	63
13	<i>GarA</i> is an essential regulator of metabolism in <i>Mycobacterium tuberculosis</i> . <i>Molecular Microbiology</i> , 2013, 90, 356-366.	2.5	59
14	The multidrug transporters belonging to major facilitator superfamily in <i>Mycobacterium tuberculosis</i> . <i>Molecular Medicine</i> , 2002, 8, 714-24.	4.4	56
15	CNTN6 mutations are risk factors for abnormal auditory sensory perception in autism spectrum disorders. <i>Molecular Psychiatry</i> , 2017, 22, 625-633.	7.9	55
16	Insights into the Catalytic Mechanism of PPM Ser/Thr Phosphatases from the Atomic Resolution Structures of a Mycobacterial Enzyme. <i>Structure</i> , 2007, 15, 863-872.	3.3	46
17	Secondary structure reshuffling modulates glycosyltransferase function at the membrane. <i>Nature Chemical Biology</i> , 2015, 11, 16-18.	8.0	44
18	Tolerance of the archaeal Sac7d scaffold protein to alternative library designs: characterization of anti-immunoglobulin G Affitins. <i>Protein Engineering, Design and Selection</i> , 2013, 26, 267-275.	2.1	38

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19	Contactin 4, -5 and -6 differentially regulate neuritogenesis while they display identical PTPRG binding sites. <i>Biology Open</i> , 2013, 2, 324-334.	1.2	38
20	The crystal structure of <i>Mycobacterium tuberculosis</i> adenylate kinase in complex with two molecules of ADP and Mg <sup>2+</sup> supports an associative mechanism for phosphoryl transfer. <i>Protein Science</i> , 2006, 15, 1489-1493.	7.6	36
21	Structural Plasticity and Distinct Drug-Binding Modes of LfrR, a <i>Mycobacterium tuberculosis</i> Efflux Pump Regulator. <i>Journal of Bacteriology</i> , 2009, 191, 7531-7537.	2.2	34
22	New substrates and interactors of the mycobacterial Serine/Threonine protein kinase PknG identified by a tailored interactomic approach. <i>Journal of Proteomics</i> , 2019, 192, 321-333.	2.4	30
23	A Novel Role of Malonyl-ACP in Lipid Homeostasis. <i>Biochemistry</i> , 2010, 49, 3161-3167.	2.5	28
24	A dual conformation of the post-decarboxylation intermediate is associated with distinct enzyme states in mycobacterial KGD ( $\beta$ -ketoglutarate decarboxylase). <i>Biochemical Journal</i> , 2014, 457, 425-434.	3.7	27
25	Transmission of SEN virus from mothers to their babies. <i>Journal of Medical Virology</i> , 2002, 66, 421-427.	5.0	26
26	New insight into structure-activity of furan-based salicylate synthase (MbtI) inhibitors as potential antitubercular agents. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2019, 34, 823-828.	5.2	25
27	Structural insights into the functional versatility of an FHA domain protein in mycobacterial signaling. <i>Science Signaling</i> , 2019, 12, .	3.6	22
28	Shedding X-ray Light on the Role of Magnesium in the Activity of <i>Mycobacterium tuberculosis</i> Salicylate Synthase (MbtI) for Drug Design. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 7066-7080.	6.4	21
29	3-Keto-5-aminohexanoate Cleavage Enzyme. <i>Journal of Biological Chemistry</i> , 2011, 286, 27399-27405.	3.4	20
30	Conformational changes upon ligand binding in the essential class II fumarase Rv1098c from <i>Mycobacterium tuberculosis</i> . <i>FEBS Letters</i> , 2012, 586, 1606-1611.	2.8	20
31	Heterologous expression, purification, and enzymatic activity of <i>Mycobacterium tuberculosis</i> NAD <sup>+</sup> synthetase. <i>Protein Expression and Purification</i> , 2002, 25, 547-557.	1.3	18
32	Glutamine amidotransferase activity of NAD <sup>+</sup> synthetase from <i>Mycobacterium tuberculosis</i> depends on an amino-terminal nitrilase domain. <i>Research in Microbiology</i> , 2005, 156, 173-177.	2.1	17
33	Novel mechanistic insights into physiological signaling pathways mediated by mycobacterial Ser/Thr protein kinases. <i>Genes and Immunity</i> , 2019, 20, 383-393.	4.1	16
34	High prevalence of a variant of SENV in intravenous drug user HIV-1 infected patients. <i>Journal of Medical Virology</i> , 2002, 68, 18-23.	5.0	15
35	Ser/Thr Phosphorylation Regulates the Fatty Acyl-AMP Ligase Activity of FadD32, an Essential Enzyme in Mycolic Acid Biosynthesis. <i>Journal of Biological Chemistry</i> , 2016, 291, 22793-22805.	3.4	14
36	Techniques and Applications: The heterologous expression of <i>Mycobacterium tuberculosis</i> genes is an uphill road. <i>Trends in Microbiology</i> , 2003, 11, 351-358.	7.7	12

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37	The crystal structure of the catalytic domain of the ser/thr kinase PknA from <i>M. tuberculosis</i> shows an Src-like autoinhibited conformation. <i>Proteins: Structure, Function and Bioinformatics</i> , 2015, 83, 982-988.	2.6	11
38	Conformational transitions in the active site of mycobacterial 2-oxoglutarate dehydrogenase upon binding phosphonate analogues of 2-oxoglutarate: From a Michaelis-like complex to ThDP adducts. <i>Journal of Structural Biology</i> , 2019, 208, 182-190.	2.8	11
39	Actinobacteria challenge the paradigm: A unique protein architecture for a well-known, central metabolic complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	10
40	Structural studies suggest a peptidoglycan hydrolase function for the <i>Mycobacterium tuberculosis</i> Tat-secreted protein Rv2525c. <i>Journal of Structural Biology</i> , 2014, 188, 156-164.	2.8	9
41	Structure-Based Drug Design for Tuberculosis: Challenges Still Ahead. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4248.	2.5	9
42	Selective Inhibition of 2-Oxoglutarate and 2-Oxoadipate Dehydrogenases by the Phosphonate Analogs of Their 2-Oxo Acid Substrates. <i>Frontiers in Chemistry</i> , 2020, 8, 596187.	3.6	8
43	Structure of <i>Mycobacterium tuberculosis</i> Rv2714, a representative of a duplicated gene family in Actinobacteria. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2009, 65, 972-977.	0.7	6
44	Novel mechanistic insights into physiological signaling pathways mediated by mycobacterial Ser/Thr protein kinases. <i>Microbes and Infection</i> , 2019, 21, 222-229.	1.9	6
45	Proteome remodeling in the <i>Mycobacterium tuberculosis</i> PknG knockout: Molecular evidence for the role of this kinase in cell envelope biogenesis and hypoxia response. <i>Journal of Proteomics</i> , 2021, 244, 104276.	2.4	6
46	The crystal structure of PknI from <i>Mycobacterium tuberculosis</i> shows an inactive, pseudokinase-like conformation. <i>FEBS Journal</i> , 2017, 284, 602-614.	4.7	4
47	Crystal structure of <i>Mycobacterium tuberculosis</i> LppA, a lipoprotein confined to pathogenic mycobacteria. <i>Proteins: Structure, Function and Bioinformatics</i> , 2010, 78, 769-772.	2.6	2
48	A Tetratricopeptide Repeat Scaffold Couples Signal Detection to OdhI Phosphorylation in Metabolic Control by the Protein Kinase PknG. <i>MBio</i> , 2021, 12, e0171721.	4.1	2
49	Bacterial Metabolism under FHA Control. <i>Structure</i> , 2009, 17, 487-488.	3.3	1
50	Energy Metabolism   2-Oxoglutarate Dehydrogenase Complex. , 2021, , 259-271.		0