

Marco Bellinzoni

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6648368/publications.pdf>

Version: 2024-02-01

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	Energy Metabolism 2-Oxoglutarate Dehydrogenase Complex. , 2021, , 259-271.		0
2	Proteome remodeling in the Mycobacterium tuberculosis PknG knockout: Molecular evidence for the role of this kinase in cell envelope biogenesis and hypoxia response. Journal of Proteomics, 2021, 244, 104276.	2.4	6
3	A Tetratricopeptide Repeat Scaffold Couples Signal Detection to OdhI Phosphorylation in Metabolic Control by the Protein Kinase PknG. MBio, 2021, 12, e0171721.	4.1	2
4	Actinobacteria challenge the paradigm: A unique protein architecture for a well-known, central metabolic complex. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	10
5	Shedding X-ray Light on the Role of Magnesium in the Activity of <i>Mycobacterium tuberculosis</i> Salicylate Synthase (MbtI) for Drug Design. Journal of Medicinal Chemistry, 2020, 63, 7066-7080.	6.4	21
6	Structure-Based Drug Design for Tuberculosis: Challenges Still Ahead. Applied Sciences (Switzerland), 2020, 10, 4248.	2.5	9
7	Selective Inhibition of 2-Oxoglutarate and 2-Oxoadipate Dehydrogenases by the Phosphonate Analogs of Their 2-Oxo Acid Substrates. Frontiers in Chemistry, 2020, 8, 596187.	3.6	8
8	Novel mechanistic insights into physiological signaling pathways mediated by mycobacterial Ser/Thr protein kinases. Microbes and Infection, 2019, 21, 222-229.	1.9	6
9	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. Journal of Structural Biology, 2019, 208, 182-190.	2.8	11
10	Structural insights into the functional versatility of an FHA domain protein in mycobacterial signaling. Science Signaling, 2019, 12, .	3.6	22
11	Novel mechanistic insights into physiological signaling pathways mediated by mycobacterial Ser/Thr protein kinases. Genes and Immunity, 2019, 20, 383-393.	4.1	16
12	New insight into structure-activity of furan-based salicylate synthase (MbtI) inhibitors as potential antitubercular agents. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 823-828.	5.2	25
13	New substrates and interactors of the mycobacterial Serine/Threonine protein kinase PknG identified by a tailored interactomic approach. Journal of Proteomics, 2019, 192, 321-333.	2.4	30
14	CNTN6 mutations are risk factors for abnormal auditory sensory perception in autism spectrum disorders. Molecular Psychiatry, 2017, 22, 625-633.	7.9	55
15	The crystal structure of PknI from <i>Mycobacterium tuberculosis</i> shows an inactive, pseudokinase-like conformation. FEBS Journal, 2017, 284, 602-614.	4.7	4
16	PknG senses amino acid availability to control metabolism and virulence of Mycobacterium tuberculosis. PLoS Pathogens, 2017, 13, e1006399.	4.7	81
17	Ser/Thr Phosphorylation Regulates the Fatty Acyl-AMP Ligase Activity of FadD32, an Essential Enzyme in Mycolic Acid Biosynthesis. Journal of Biological Chemistry, 2016, 291, 22793-22805.	3.4	14
18	The crystal structure of the catalytic domain of the ser/thr kinase PknA from <i>M. tuberculosis</i> shows an Src-like autoinhibited conformation. Proteins: Structure, Function and Bioinformatics, 2015, 83, 982-988.	2.6	11

#	ARTICLE	IF	CITATIONS
19	Thiophenecarboxamide Derivatives Activated by EthA Kill Mycobacterium tuberculosis by Inhibiting the CTP Synthetase PyrG. <i>Chemistry and Biology</i> , 2015, 22, 917-927.	6.0	72
20	Secondary structure reshuffling modulates glycosyltransferase function at the membrane. <i>Nature Chemical Biology</i> , 2015, 11, 16-18.	8.0	44
21	A dual conformation of the post-decarboxylation intermediate is associated with distinct enzyme states in mycobacterial KGD ($\hat{\text{L}}\pm$ -ketoglutarate decarboxylase). <i>Biochemical Journal</i> , 2014, 457, 425-434.	3.7	27
22	Structural studies suggest a peptidoglycan hydrolase function for the Mycobacterium tuberculosis Tat-secreted protein Rv2525c. <i>Journal of Structural Biology</i> , 2014, 188, 156-164.	2.8	9
23	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
24	<i>scp</i> GarA is an essential regulator of metabolism in <i>Mycobacterium tuberculosis</i> . <i>Molecular Microbiology</i> , 2013, 90, 356-366.	2.5	59
25	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
26	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
27	Functional Plasticity and Allosteric Regulation of $\hat{\text{L}}\pm$ -Ketoglutarate Decarboxylase in Central Mycobacterial Metabolism. <i>Chemistry and Biology</i> , 2011, 18, 1011-1020.	6.0	75
28	3-Keto-5-aminohexanoate Cleavage Enzyme. <i>Journal of Biological Chemistry</i> , 2011, 286, 27399-27405.	3.4	20
29	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
30	Biological and structural characterization of the Mycobacterium smegmatis nitroreductase NfnB, and its role in benzothiazinone resistance. <i>Molecular Microbiology</i> , 2010, 77, 1172-1185.	2.5	63
31	A Novel Role of Malonyl-ACP in Lipid Homeostasis,. <i>Biochemistry</i> , 2010, 49, 3161-3167.	2.5	28
32	Structural Plasticity and Distinct Drug-Binding Modes of LfrR, a Mycobacterial Efflux Pump Regulator. <i>Journal of Bacteriology</i> , 2009, 191, 7531-7537.	2.2	34
33	Bacterial Metabolism under FHA Control. <i>Structure</i> , 2009, 17, 487-488.	3.3	1
34	Structure of Mycobacterium tuberculosis 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
35	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
36	Regulation of glutamate metabolism by protein kinases in mycobacteria. <i>Molecular Microbiology</i> , 2008, 70, 1408-1423.	2.5	147

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	The structure of PlnB 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
40	The crystal structure of Mycobacterium tuberculosis adenylate kinase in complex with two molecules of ADP and Mg ²⁺ supports an associative mechanism for phosphoryl transfer. <i>Protein Science</i> , 2006, 15, 1489-1493.	7.6	36
41	Conserved autophosphorylation pattern in activation loops and juxtamembrane regions of Mycobacterium tuberculosis Ser/Thr protein kinases. <i>Biochemical and Biophysical Research Communications</i> , 2005, 333, 858-867.	2.1	83
42	Glutamine amidotransferase activity of NAD ⁺ synthetase from Mycobacterium tuberculosis depends on an amino-terminal nitrilase domain. <i>Research in Microbiology</i> , 2005, 156, 173-177.	2.1	17
43	Rv2686c-Rv2687c-Rv2688c, an ABC Fluoroquinolone Efflux Pump in Mycobacterium tuberculosis. <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 3175-3178.	3.2	148
44	The TB structural genomics consortium: a resource for Mycobacterium tuberculosis biology. <i>Tuberculosis</i> , 2003, 83, 223-249.	1.9	95
45	Techniques and Applications: The heterologous expression of Mycobacterium tuberculosis genes is an uphill road. <i>Trends in Microbiology</i> , 2003, 11, 351-358.	7.7	12
46	Heterologous expression, purification, and enzymatic activity of Mycobacterium tuberculosis NAD ⁺ synthetase. <i>Protein Expression and Purification</i> , 2002, 25, 547-557.	1.3	18
47	The Multidrug Transporters Belonging to Major Facilitator Superfamily (MFS) in Mycobacterium tuberculosis. <i>Molecular Medicine</i> , 2002, 8, 714-724.	4.4	111
48	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
49	Transmission of SEN virus from mothers to their babies. <i>Journal of Medical Virology</i> , 2002, 66, 421-427.	5.0	26
50	The multidrug transporters belonging to major facilitator superfamily in Mycobacterium tuberculosis. <i>Molecular Medicine</i> , 2002, 8, 714-24.	4.4	56