

Nicholas R Silvaggi

List of Publications by Year in descending order

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papers

842
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567281

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citing authors

#	ARTICLE	IF	CITATIONS
1	Structures of Clostridium botulinum Neurotoxin Serotype A Light Chain Complexed with Small-Molecule Inhibitors Highlight Active-Site Flexibility. Chemistry and Biology, 2007, 14, 533-542.	6.0	119
2	Molecular Basis for ADP-Ribose Binding to the Mac1 Domain of SARS-CoV-2 nsp3. Biochemistry, 2020, 59, 2608-2615.	2.5	96
3	Double-Lanthanide-Binding Tags for Macromolecular Crystallographic Structure Determination. Journal of the American Chemical Society, 2007, 129, 7114-7120.	13.7	78
4	The X-ray Crystal Structures of Human Î±-Phosphomannomutase 1 Reveal the Structural Basis of Congenital Disorder of Glycosylation Type 1a. Journal of Biological Chemistry, 2006, 281, 14918-14926.	3.4	66
5	Catalytic Features of the Botulinum Neurotoxin A Light Chain Revealed by High Resolution Structure of an Inhibitory Peptide Complex. Biochemistry, 2008, 47, 5736-5745.	2.5	59
6	Evaluation of adamantane hydroxamates as botulinum neurotoxin inhibitors: Synthesis, crystallography, modeling, kinetic and cellular based studies. Bioorganic and Medicinal Chemistry, 2013, 21, 1344-1348.	3.0	53
7	Periplasmic Cytophaga hutchinsonii Endoglucanases Are Required for Use of Crystalline Cellulose as the Sole Source of Carbon and Energy. Applied and Environmental Microbiology, 2016, 82, 4835-4845.	3.1	41
8	Discovery of Drug-Like Ligands for the Mac1 Domain of SARS-CoV-2 Nsp3. SLAS Discovery, 2020, 25, 1162-1170.	2.7	36
9	<i>Streptomyces wadayamensis</i> MppP Is a Pyridoxal 5â€²-Phosphate-Dependent Arginine Î±-Deaminase, Î²-Hydroxylase in the Enduracididine Biosynthetic Pathway. Biochemistry, 2015, 54, 7029-7040.	2.5	35
10	RitR is an archetype for a novel family of redox sensors in the streptococci that has evolved from two-component response regulators and is required for pneumococcal colonization. PLoS Pathogens, 2018, 14, e1007052.	4.7	34
11	Structural and Functional Characterization of MppR, an Enduracididine Biosynthetic Enzyme from <i>Streptomyces hygroscopicus</i> : Functional Diversity in the Acetoacetate Decarboxylase-like Superfamily. Biochemistry, 2013, 52, 4492-4506.	2.5	31
12	Chirality Holds the Key for Potent Inhibition of the Botulinum Neurotoxin Serotype A Protease. Organic Letters, 2010, 12, 756-759.	4.6	28
13	The Aspartate-Less Receiver (ALR) Domains: Distribution, Structure and Function. PLoS Pathogens, 2015, 11, e1004795.	4.7	25
14	You are lost without a map: Navigating the sea of protein structures. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2015, 1854, 258-268.	2.3	24
15	<i>Streptomyces wadayamensis</i> MppP is a PLP-Dependent Oxidase, Not an Oxygenase. Biochemistry, 2018, 57, 3252-3264.	2.5	19
16	Bacterial Renalase: Structure and Kinetics of an Enzyme with 2- and 6-Dihydro-Î²-NAD(P) Oxidase Activity from <i>Pseudomonas phaseolicola</i> . Biochemistry, 2015, 54, 3791-3802.	2.5	18
17	Ligand binding phenomena that pertain to the metabolic function of renalase. Archives of Biochemistry and Biophysics, 2016, 612, 46-56.	3.0	12
18	Identification of VDR Antagonists among Nuclear Receptor Ligands Using Virtual Screening. Nuclear Receptor Research, 2014, 1, .	2.5	12

#	ARTICLE	IF	CITATIONS
19	Structural characterization of three noncanonical NTF2-like superfamily proteins: implications for polyketide biosynthesis. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2020, 76, 372-383.	0.8	11
20	Transient-State Analysis of Human Isocitrate Dehydrogenase I: Accounting for the Interconversion of Active and Non-Active Conformational States. <i>Biochemistry</i> , 2019, 58, 5366-5380.	2.5	10
21	Small molecule metalloprotease inhibitor with inÂvitro, exÂvivo and inÂvivo efficacy against botulinum neurotoxin serotype A. <i>Toxicon</i> , 2017, 137, 36-47.	1.6	9
22	Antitumor Activity of 3-Indolylmethanamines 31B and PS121912. <i>Anticancer Research</i> , 2015, 35, 6001-7.	1.1	7
23	Oral and Inhaled Fosamprenavir Reverses Pepsinâ€nduced Damage in a Laryngopharyngeal Reflux Mouse Model. <i>Laryngoscope</i> , 2023, 133, .	2.0	4
24	SbiO0515, a Protein of Unknown Function from <i>Streptomyces bingchenggensis</i> , Highlights the Functional Versatility of the Acetoacetate Decarboxylase Scaffold. <i>Biochemistry</i> , 2015, 54, 3978-3988.	2.5	3
25	Use of Crystallography and Molecular Modeling for the Inhibition of the Botulinum Neurotoxin A Protease. <i>ACS Medicinal Chemistry Letters</i> , 2021, 12, 1318-1324.	2.8	3
26	Swit_4259, an acetoacetate decarboxylase-like enzyme from <i>Sphingomonas wittichii</i> RW1. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2017, 73, 672-681.	0.8	2
27	Mechanistic Studies of the <i>Streptomyces bingchenggensis</i> Aldolase-Dehydratase: Implications for Substrate and Reaction Specificity in the Acetoacetate Decarboxylase-like Superfamily. <i>Biochemistry</i> , 2019, 58, 4136-4147.	2.5	1
28	R61 D, Dâ€peptidase bound to a Helenâ€1 Penicillin Substrate or One â€Helâ€en of an Antibiotic. <i>FASEB Journal</i> , 2013, 27, lb232.	0.5	0
29	<i>Streptomyces wadayamensis</i> MppP: A Novel PLPâ€Dependent Lâ€Arginine Hydroxylase in Lâ€Enduracididine Biosynthesis. <i>FASEB Journal</i> , 2017, 31, lb109.	0.5	0
30	MppP: The Beginning of Lâ€End (Synthesis). <i>FASEB Journal</i> , 2019, 33, lb221.	0.5	0