

Nicholas R Silvaggi

List of Publications by Year in descending order

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30
papers

842
citations

567281

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36
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Oral and Inhaled Fosamprenavir Reverses Pepsin-Induced Damage in a Laryngopharyngeal Reflux Mouse Model. <i>Laryngoscope</i> , 2023, 133, .	2.0	4
2	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
3	Discovery of Drug-Like Ligands for the Mac1 Domain of SARS-CoV-2 Nsp3. <i>SLAS Discovery</i> , 2020, 25, 1162-1170.	2.7	36
4	Molecular Basis for ADP-Ribose Binding to the Mac1 Domain of SARS-CoV-2 nsp3. <i>Biochemistry</i> , 2020, 59, 2608-2615.	2.5	96
5	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
6	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
7	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
8	MppP: The Beginning of L-End (Synthesis). <i>FASEB Journal</i> , 2019, 33, lb221.	0.5	0
9	<i>Streptomyces wadayamensis</i> MppP is a PLP-Dependent Oxidase, Not an Oxygenase. <i>Biochemistry</i> , 2018, 57, 3252-3264.	2.5	19
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. <i>PLoS Pathogens</i> , 2018, 14, e1007052.	4.7	34
11	Small molecule metalloprotease inhibitor with in vitro, ex vivo and in vivo efficacy against botulinum neurotoxin serotype A. <i>Toxicon</i> , 2017, 137, 36-47.	1.6	9
12	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
13	<i>Streptomyces wadayamensis</i> MppP: A Novel PLP-Dependent L-Arginine Hydroxylase in L-Enduracididine Biosynthesis. <i>FASEB Journal</i> , 2017, 31, lb109.	0.5	0
14	Ligand binding phenomena that pertain to the metabolic function of renalase. <i>Archives of Biochemistry and Biophysics</i> , 2016, 612, 46-56.	3.0	12
15	Periplasmic Cytophaga hutchinsonii Endoglucanases Are Required for Use of Crystalline Cellulose as the Sole Source of Carbon and Energy. <i>Applied and Environmental Microbiology</i> , 2016, 82, 4835-4845.	3.1	41
16	Sbi00515, 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
17	<i>Streptomyces wadayamensis</i> MppP Is a Pyridoxal 5'-Phosphate-Dependent L-Arginine L-Deaminase, L-Hydroxylase in the Enduracididine Biosynthetic Pathway. <i>Biochemistry</i> , 2015, 54, 7029-7040.	2.5	35
18	You are lost without a map: Navigating the sea of protein structures. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2015, 1854, 258-268.	2.3	24

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19	Bacterial Renalase: Structure and Kinetics of an Enzyme with 2- and 6-Dihydro- $\hat{2}$ -NAD(P) Oxidase Activity from <i>Pseudomonas phaseolicola</i> . <i>Biochemistry</i> , 2015, 54, 3791-3802.	2.5	18
20	The Aspartate-Less Receiver (ALR) Domains: Distribution, Structure and Function. <i>PLoS Pathogens</i> , 2015, 11, e1004795.	4.7	25
21	Antitumor Activity of 3-Indolylmethanamines 31B and PS121912. <i>Anticancer Research</i> , 2015, 35, 6001-7.	1.1	7
22	Identification of VDR Antagonists among Nuclear Receptor Ligands Using Virtual Screening. <i>Nuclear Receptor Research</i> , 2014, 1, .	2.5	12
23	Structural and Functional Characterization of MppR, an Enduracididine Biosynthetic Enzyme from <i>Streptomyces hygroscopicus</i> : Functional Diversity in the Acetoacetate Decarboxylase-like Superfamily. <i>Biochemistry</i> , 2013, 52, 4492-4506.	2.5	31
24	Evaluation of adamantane hydroxamates as botulinum neurotoxin inhibitors: Synthesis, crystallography, modeling, kinetic and cellular based studies. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 1344-1348.	3.0	53
25	R61 D, \hat{D} peptidase bound to a Helen $\hat{1}$ Penicillin Substrate or One \hat{e} Hel \hat{e} en of an Antibiotic. <i>FASEB Journal</i> , 2013, 27, lb232.	0.5	0
26	Chirality Holds the Key for Potent Inhibition of the Botulinum Neurotoxin Serotype A Protease. <i>Organic Letters</i> , 2010, 12, 756-759.	4.6	28
27	Catalytic Features of the Botulinum Neurotoxin A Light Chain Revealed by High Resolution Structure of an Inhibitory Peptide Complex. <i>Biochemistry</i> , 2008, 47, 5736-5745.	2.5	59
28	Double-Lanthanide-Binding Tags for Macromolecular Crystallographic Structure Determination. <i>Journal of the American Chemical Society</i> , 2007, 129, 7114-7120.	13.7	78
29	Structures of Clostridium botulinum Neurotoxin Serotype A Light Chain Complexed with Small-Molecule Inhibitors Highlight Active-Site Flexibility. <i>Chemistry and Biology</i> , 2007, 14, 533-542.	6.0	119
30	The X-ray Crystal Structures of Human $\hat{\pm}$ -Phosphomannomutase 1 Reveal the Structural Basis of Congenital Disorder of Glycosylation Type 1a. <i>Journal of Biological Chemistry</i> , 2006, 281, 14918-14926.	3.4	66