

# Miguel R Lugo

## List of Publications by Year in descending order

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21  
papers

467  
citations

758635

12  
h-index

713013

21  
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21  
all docs

21  
docs citations

21  
times ranked

424  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interaction of LDS-751 with P-Glycoprotein and Mapping of the Location of the R Drug Binding Site. <i>Biochemistry</i> , 2005, 44, 643-655.	1.2	100
2	Interaction of LDS-751 and Rhodamine 123 with P-Glycoprotein: Evidence for Simultaneous Binding of Both Drugs. <i>Biochemistry</i> , 2005, 44, 14020-14029.	1.2	77
3	Scabin, a Novel DNA-acting ADP-ribosyltransferase from <i>Streptomyces scabies</i> . <i>Journal of Biological Chemistry</i> , 2016, 291, 11198-11215.	1.6	44
4	C3larvin Toxin, an ADP-ribosyltransferase from <i>Paenibacillus larvae</i> . <i>Journal of Biological Chemistry</i> , 2015, 290, 1639-1653.	1.6	41
5	New Insights into the Drug Binding, Transport and Lipid Flippase Activities of the P-Glycoprotein Multidrug Transporter. <i>Journal of Bioenergetics and Biomembranes</i> , 2005, 37, 481-487.	1.0	33
6	Characterization of the toxin Plx2A, a RhoA-targeting ADP-ribosyltransferase produced by the honey bee pathogen <i>Paenibacillus larvae</i> . <i>Environmental Microbiology</i> , 2017, 19, 5100-5116.	1.8	20
7	The 1.8 Å... Cholix Toxin Crystal Structure in Complex with NAD <sup>+</sup> and Evidence for a New Kinetic Model. <i>Journal of Biological Chemistry</i> , 2012, 287, 21176-21188.	1.6	18
8	Characterization of Vis Toxin, a Novel ADP-Ribosyltransferase from <i>Vibrio splendidus</i> . <i>Biochemistry</i> , 2015, 54, 5920-5936.	1.2	15
9	Interaction of LDS-751 with the drug-binding site of P-glycoprotein: A Trp fluorescence steady-state and lifetime study. <i>Archives of Biochemistry and Biophysics</i> , 2009, 492, 17-28.	1.4	14
10	The Father, Son and Cholix Toxin: The Third Member of the DT Group Mono-ADP-Ribosyltransferase Toxin Family. <i>Toxins</i> , 2015, 7, 2757-2772.	1.5	13
11	Characterization of the catalytic signature of Scabin toxin, a DNA-targeting ADP-ribosyltransferase. <i>Biochemical Journal</i> , 2018, 475, 225-245.	1.7	13
12	Membrane Topology of the Colicin E1 Channel Using Genetically Encoded Fluorescence. <i>Biochemistry</i> , 2011, 50, 4830-4842.	1.2	12
13	Harmonic Analysis of the Fluorescence Response of Bimane Adducts of Colicin E1 at Helices 6, 7, and 10. <i>Journal of Biological Chemistry</i> , 2013, 288, 5136-5148.	1.6	12
14	Dynamics of Scabin toxin. A proposal for the binding mode of the DNA substrate. <i>PLoS ONE</i> , 2018, 13, e0194425.	1.1	10
15	Characterization of C3larvinA, a novel RhoA-targeting ADP-ribosyltransferase toxin produced by the honey bee pathogen, <i>Paenibacillus larvae</i> . <i>Bioscience Reports</i> , 2020, 40, .	1.1	10
16	Pocket analysis of the full-length cholix toxin. An assessment of the structure-dynamics of the apocatalytic domain. <i>Journal of Biomolecular Structure and Dynamics</i> , 2015, 33, 2452-2468.	2.0	8
17	A comparative structure-function analysis of active-site inhibitors of <i>Vibrio cholerae</i> cholix toxin. <i>Journal of Molecular Recognition</i> , 2015, 28, 539-552.	1.1	8
18	Structural variability of C3larvin toxin. Intrinsic dynamics of the $\beta\pm/\beta^2$ fold of the C3-like group of mono-ADP-ribosyltransferase toxins. <i>Journal of Biomolecular Structure and Dynamics</i> , 2016, 34, 1-24.	2.0	6

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19	An In-Silico Sequence-Structure-Function Analysis of the N-Terminal Lobe in CT Group Bacterial ADP-Ribosyltransferase Toxins. <i>Toxins</i> , 2019, 11, 365.	1.5	6
20	Development of Anti-Virulence Therapeutics against Mono-ADP-Ribosyltransferase Toxins. <i>Toxins</i> , 2021, 13, 16.	1.5	5
21	Resolving the 3D spatial orientation of helix I in the closed state of the colicin E1 channel domain by FRET. Insights into the integration mechanism. <i>Archives of Biochemistry and Biophysics</i> , 2016, 608, 52-73.	1.4	2