Antonio Ariza

List of Publications by Year
in descending order

25 papers	1,257 citations	393982 19 h-index	580395 25 g-index
25 all docs	25 docs citations	25 times ranked	1833 citing authors

#	Article	IF	Citations
1	HPF1 completes the PARP active site for DNA damage-induced ADP-ribosylation. Nature, 2020, 579, 598-602.	13.7	172
2	The Toxin-Antitoxin System DarTG Catalyzes Reversible ADP-Ribosylation of DNA. Molecular Cell, 2016, 64, 1109-1116.	4.5	137
3	Structure, Function, and Evolution of the Crimean-Congo Hemorrhagic Fever Virus Nucleocapsid Protein. Journal of Virology, 2012, 86, 10914-10923.	1.5	94
4	Identification of a Class of Protein ADP-Ribosylating Sirtuins in Microbial Pathogens. Molecular Cell, 2015, 59, 309-320.	4.5	79
5	Specificity of the trypanothione-dependent Leishmania major glyoxalase I: structure and biochemical comparison with the human enzyme. Molecular Microbiology, 2006, 59, 1239-1248.	1.2	76
6	Synthesis of Dimeric ADP-Ribose and Its Structure with Human Poly(ADP-ribose) Glycohydrolase. Journal of the American Chemical Society, 2015, 137, 3558-3564.	6.6	75
7	Nucleocapsid protein structures from orthobunyaviruses reveal insight into ribonucleoprotein architecture and RNA polymerization. Nucleic Acids Research, 2013, 41, 5912-5926.	6.5	69
8	Crystal structure of the essential transcription antiterminator M2-1 protein of human respiratory syncytial virus and implications of its phosphorylation. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 1580-1585.	3.3	58
9	Comparative structural, kinetic and inhibitor studies of Trypanosoma brucei trypanothione reductase with T. cruzi. Molecular and Biochemical Parasitology, 2010, 169, 12-19.	0.5	54
10	(ADP-ribosyl)hydrolases: Structural Basis for Differential Substrate Recognition and Inhibition. Cell Chemical Biology, 2018, 25, 1533-1546.e12.	2.5	52
11	Structural insights into the function of ZRANB3 in replication stress response. Nature Communications, 2017, 8, 15847.	5.8	41
12	Molecular basis for DarT ADP-ribosylation of a DNA base. Nature, 2021, 596, 597-602.	13.7	41
13	Degradation of Phytate by the 6-Phytase from Hafnia alvei: A Combined Structural and Solution Study. PLoS ONE, 2013, 8, e65062.	1.1	40
14	Three-dimensional structures of two heavily N-glycosylatedAspergillussp. family GH3 Î²-<scp>D</scp>-glucosidases. Acta Crystallographica Section D: Structural Biology, 2016, 72, 254-265.	1.1	38
15	Mechanistic insights into the three steps of poly(ADP-ribosylation) reversal. Nature Communications, 2021, 12, 4581.	5.8	34
16	Conformational flexibility revealed by the crystal structure of a crenarchaeal RadA. Nucleic Acids Research, 2005, 33, 1465-1473.	6.5	32
17	Structure and Activity of Paenibacillus polymyxa Xyloglucanase from Glycoside Hydrolase Family 44. Journal of Biological Chemistry, 2011, 286, 33890-33900.	1.6	32
18	Mechanism of Protein Kinetic Stabilization by Engineered Disulfide Crosslinks. PLoS ONE, 2013, 8, e70013.	1.1	29

#	Article	IF	Citations
19	The crystal structure of the Hazara virus nucleocapsid protein. BMC Structural Biology, 2015, 15, 24.	2.3	26
20	Crystal Structure of an Intracellular Subtilisin Reveals Novel Structural Features Unique to this Subtilisin Family. Structure, 2010, 18, 744-755.	1.6	20
21	The role of ADP-ribosylation in regulating DNA interstrand crosslink repair. Journal of Cell Science, 2016, 129, 3845-3858.	1.2	15
22	Structural and Functional Characterization of Three Novel Fungal Amylases with Enhanced Stability and pH Tolerance. International Journal of Molecular Sciences, 2019, 20, 4902.	1.8	15
23	Structural insight into industrially relevant glucoamylases: flexible positions of starch-binding domains. Acta Crystallographica Section D: Structural Biology, 2018, 74, 463-470.	1.1	12
24	Crystallization and preliminary X-ray analysis ofLeishmania majorglyoxalase I. Acta Crystallographica Section F: Structural Biology Communications, 2005, 61, 769-772.	0.7	10
25	Probing Bunyavirus N protein oligomerisation using mass spectrometry. Rapid Communications in Mass Spectrometry, 2014, 28, 793-800.	0.7	6