Roberto N De Guzman

List of Publications by Year
in descending order

41 papers	2,738 citations	201674 27 h-index	276875 41 g-index
41 all docs	41 docs citations	41 times ranked	2982 citing authors

#	Article	IF	Citations
1	Identification and Validation of an Aspergillus nidulans Secondary Metabolite Derivative as an Inhibitor of the Musashi-RNA Interaction. Cancers, 2020, 12, 2221.	3.7	17
2	The type III secretion system needle, tip, and translocon. Protein Science, 2019, 28, 1582-1593.	7.6	40
3	A protein secreted by the Salmonella type III secretion system controls needle filament assembly. ELife, 2018, 7, .	6.0	26
4	Identification of a new small ubiquitin-like modifier (SUMO)-interacting motif in the E3 ligase PIASy. Journal of Biological Chemistry, 2017, 292, 10230-10238.	3.4	15
5	Characterization of Smallâ€Molecule Scaffolds That Bind to the Shigella Typeâ€…III Secretion System Protein IpaD. ChemMedChem, 2017, 12, 1534-1541.	3.2	12
6	The fungal natural product azaphilone-9 binds to HuR and inhibits HuR-RNA interaction in vitro. PLoS ONE, 2017, 12, e0175471.	2.5	45
7	Characterization of the Shigella and Salmonella Typeâ€…III Secretion System Tipâ€“Translocon Proteinâ€“Protein Interaction by Paramagnetic Relaxation Enhancement. ChemBioChem, 2016, 17, 745-752.	2.6	12
8	NMR identification of the binding surfaces involved in theSalmonellaandShigellaType III secretion tip-translocon protein-protein interactions. Proteins: Structure, Function and Bioinformatics, 2016, 84, 1097-1107.	2.6	6
9	Characterization of the Binding of Hydroxyindole, Indoleacetic acid, and Morpholinoaniline to the Salmonella Typeâ€…III Secretion System Proteins SipD and SipB. ChemMedChem, 2016, 11, 963-971.	3.2	14
10	The Bacterial Type <scp>III</scp> Secretion System as a Target for Developing New Antibiotics. Chemical Biology and Drug Design, 2015, 85, 30-42.	3.2	45
11	Natural product (â^)â€gossypol inhibits colon cancer cell growth by targeting RNAâ€binding protein Musashiâ€1. Molecular Oncology, 2015, 9, 1406-1420.	4.6	116
12	Nuclear Magnetic Resonance Characterization of the Type III Secretion System Tip Chaperone Protein PcrG of Pseudomonas aeruginosa. Biochemistry, 2015, 54, 6576-6585.	2.5	4
13	The LcrG Tip Chaperone Protein of the Yersinia pestis Type III Secretion System Is Partially Folded. Journal of Molecular Biology, 2015, 427, 3096-3109.	4.2	10
14	NMR Model of Prgâ€“SipD Interaction and Its Implications in the Needle-Tip Assembly of the Salmonella Type III Secretion System. Journal of Molecular Biology, 2014, 426, 2958-2969.	4.2	36
15	Structure and Biophysics of Type III Secretion in Bacteria. Biochemistry, 2013, 52, 2508-2517.	2.5	87
16	Structure of theYersinia pestistip protein LcrV refined to 1.65â€…Ã… resolution. Acta Crystallographica Section F: Structural Biology Communications, 2013, 69, 477-481.	0.7	23
17	The Salmonella Type III Secretion System Inner Rod Protein PrgJ Is Partially Folded. Journal of Biological Chemistry, 2012, 287, 25303-25311.	3.4	28
18	The Structure of the Hantavirus Zinc Finger Domain is Conserved and Represents the Only Natively Folded Region of the Gn Cytoplasmic Tail. Frontiers in Microbiology, 2011, 2, 251.	3.5	21

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19	The crystal structures of the Salmonella type III secretion system tip protein SipD in complex with deoxycholate and chenodeoxycholate. Protein Science, 2011, 20, 75-86.	7.6	62
20	Structural Characterization of the Crimean-Congo Hemorrhagic Fever Virus Gn Tail Provides Insight into Virus Assembly. Journal of Biological Chemistry, 2011, 286, 21678-21686.	3.4	42
21	Characterization of the Interaction between the Salmonella Type III Secretion System Tip Protein SipD and the Needle Protein PrgI by Paramagnetic Relaxation Enhancement. Journal of Biological Chemistry, 2011, 286, 4922-4930.	3.4	30
22	A Repulsive Electrostatic Mechanism for Protein Export through the Type III Secretion Apparatus. Biophysical Journal, 2010, 98, 452-461.	0.5	18
23	NMR Characterization of the Interaction of the Salmonella Type III Secretion System Protein SipD and Bile Salts[,]. Biochemistry, 2010, 49, 4220-4226.	2.5	34
24	The Hantavirus Glycoprotein G1 Tail Contains Dual CCHC-type Classical Zinc Fingers. Journal of Biological Chemistry, 2009, 284, 8654-8660.	3.4	44
25	Structural dissection of the extracellular moieties of the type III secretion apparatus. Molecular BioSystems, 2008, 4, 1176.	2.9	11
26	NMR Structure of the N-terminal Coiled Coil Domain of the Andes Hantavirus Nucleocapsid Protein. Journal of Biological Chemistry, 2008, 283, 28297-28304.	3.4	26
27	Identification of the MxiH Needle Protein Residues Responsible for Anchoring Invasion Plasmid Antigen D to the Type III Secretion Needle Tip. Journal of Biological Chemistry, 2007, 282, 32144-32151.	3.4	30
28	Differences in the Electrostatic Surfaces of the Type III Secretion Needle Proteins PrgI, BsaL, and MxiH. Journal of Molecular Biology, 2007, 371, 1304-1314.	4.2	66
29	Structural Basis for Cooperative Transcription Factor Binding to the CBP Coactivator. Journal of Molecular Biology, 2006, 355, 1005-1013.	4.2	166
30	Solution Structure of Monomeric BsaL, the Type III Secretion Needle Protein of Burkholderia pseudomallei. Journal of Molecular Biology, 2006, 359, 322-330.	4.2	57
31	Interaction of the TAZ1 Domain of the CREB-Binding Protein with the Activation Domain of CITED2. Journal of Biological Chemistry, 2004, 279, 3042-3049.	3.4	97
32	Solution Structure of the KIX Domain of CBP Bound to the Transactivation Domain of c-Myb. Journal of Molecular Biology, 2004, 337, 521-534.	4.2	181
33	The Zinc-dependent Redox Switch Domain of the Chaperone Hsp33 has a Novel Fold. Journal of Molecular Biology, 2004, 341, 893-899.	4.2	52
34	Structural basis for Hif-1Â/CBP recognition in the cellular hypoxic response. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 5271-5276.	7.1	376
35	NMR structure of stem-loop SL2 of the HIV-1 Î¨ RNA packaging signal reveals a novel A-U-A base-triple platform 1 1Edited by I. Tinoco. Journal of Molecular Biology, 2000, 299, 145-156.	4.2	95
36	NMR structure of the HIV-1 nucleocapsid protein bound to stem-loop SL2 of the Î¨-RNA packaging signal. implications for genome recognition 1 1Edited by P. Wright. Journal of Molecular Biology, 2000, 301, 491-511.	4.2	322

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37	Solution structure of the TAZ2 (CH3) domain of the transcriptional adaptor protein CBP. Journal of Molecular Biology, 2000, 303, 243-253.	4.2	121
38	Dynamical behavior of the HIV-1 nucleocapsid protein. Journal of Molecular Biology, 1998, 279, 633-649.	4.2	134
39	Zinc Ejection as a New Rationale for the Use of Cystamine and Related Disulfide-Containing Antiviral Agents in the Treatment of AIDS. Journal of Medicinal Chemistry, 1997, 40, 1969-1976.	6.4	58
40	Electrical Resistivity Measurements on Manganese Oxides with Layer and Tunnel Structures: Birnessites, Todorokites, and Cryptomelanes. Chemistry of Materials, 1995, 7, 1286-1292.	6.7	83
41	Role of cyclic voltammetry in characterizing solids: natural and synthetic manganese oxide octahedral molecular sieves. Chemistry of Materials, 1993, 5, 1395-1400.	6.7	76