

Marvin J Bayro

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,907
citations

361413

20
h-index

580821

25
g-index

26
all docs

26
docs citations

26
times ranked

2199
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficacy of Rac and Cdc42 Inhibitor MBQ-167 in Triple-negative Breast Cancer. <i>Molecular Cancer Therapeutics</i> , 2021, 20, 2420-2432.	4.1	13
2	NMR Methods for Structural Characterization of Protein-Protein Complexes. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 9.	3.5	35
3	Aptamer-Based Impedimetric Assay of Arsenite in Water: Interfacial Properties and Performance. <i>ACS Omega</i> , 2018, 3, 1437-1444.	3.5	33
4	Major Variations in HIV-1 Capsid Assembly Morphologies Involve Minor Variations in Molecular Structures of Structurally Ordered Protein Segments. <i>Journal of Biological Chemistry</i> , 2016, 291, 13098-13112.	3.4	15
5	Helical Conformation in the CA-SP1 Junction of the Immature HIV-1 Lattice Determined from Solid-State NMR of Virus-like Particles. <i>Journal of the American Chemical Society</i> , 2016, 138, 12029-12032.	13.7	35
6	Structure of the Dimerization Interface in the Mature HIV-1 Capsid Protein Lattice from Solid State NMR of Tubular Assemblies. <i>Journal of the American Chemical Society</i> , 2016, 138, 8538-8546.	13.7	20
7	Site-Specific Structural Variations Accompanying Tubular Assembly of the HIV-1 Capsid Protein. <i>Journal of Molecular Biology</i> , 2014, 426, 1109-1127.	4.2	49
8	Atomic structure and hierarchical assembly of a cross- β amyloid fibril. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 5468-5473.	7.1	479
9	Higher Order Amyloid Fibril Structure by MAS NMR and DNP Spectroscopy. <i>Journal of the American Chemical Society</i> , 2013, 135, 19237-19247.	13.7	82
10	An Amyloid Organelle, Solid-state NMR Evidence for Cross- β Assembly of Gas Vesicles. <i>Journal of Biological Chemistry</i> , 2012, 287, 3479-3484.	3.4	33
11	Intermolecular Structure Determination of Amyloid Fibrils with Magic-Angle Spinning and Dynamic Nuclear Polarization NMR. <i>Journal of the American Chemical Society</i> , 2011, 133, 13967-13974.	13.7	160
12	Solid-State NMR Characterization of Gas Vesicle Structure. <i>Biophysical Journal</i> , 2010, 99, 1932-1939.	0.5	42
13	Intermolecular Alignment in β -Microglobulin Amyloid Fibrils. <i>Journal of the American Chemical Society</i> , 2010, 132, 17077-17079.	13.7	69
14	High-Resolution MAS NMR Analysis of PI3-SH3 Amyloid Fibrils: Backbone Conformation and Implications for Protofilament Assembly and Structure. <i>Biochemistry</i> , 2010, 49, 7474-7484.	2.5	52
15	Magic Angle Spinning NMR Analysis of β -Microglobulin Amyloid Fibrils in Two Distinct Morphologies. <i>Journal of the American Chemical Society</i> , 2010, 132, 10414-10423.	13.7	79
16	Dynamic nuclear polarization-enhanced solid-state NMR spectroscopy of GNNQQNY nanocrystals and amyloid fibrils. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 5911.	2.8	114
17	Dipolar truncation in magic-angle spinning NMR recoupling experiments. <i>Journal of Chemical Physics</i> , 2009, 130, 114506.	3.0	162
18	Long-Range Correlations between Aliphatic ^{13}C Nuclei in Protein MAS NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5708-5710.	13.8	35

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19	Dipolar recoupling in solid state NMR by phase alternating pulse sequences. <i>Journal of Magnetic Resonance</i> , 2009, 197, 145-152.	2.1	20
20	Solid-State NMR Evidence for Inequivalent GvpA Subunits in Gas Vesicles. <i>Journal of Molecular Biology</i> , 2009, 387, 1032-1039.	4.2	33
21	Solid-state NMR Investigation of b2-Microglobulin Fibril Structure and Dynamics. <i>Biophysical Journal</i> , 2009, 96, 86a.	0.5	0
22	Radio frequency-driven recoupling at high magic-angle spinning frequencies: Homonuclear recoupling sans heteronuclear decoupling. <i>Journal of Chemical Physics</i> , 2008, 128, 052321.	3.0	73
23	Broadband Homonuclear Correlation Spectroscopy at High Magnetic Fields and MAS Frequencies. <i>Journal of the American Chemical Society</i> , 2006, 128, 1776-1777.	13.7	59
24	SPINS: A laboratory information management system for organizing and archiving intermediate and final results from NMR protein structure determinations. <i>Proteins: Structure, Function and Bioinformatics</i> , 2006, 62, 843-851.	2.6	11
25	Structure of Antibacterial Peptide Microcin J25: A 21-Residue Lariat Protoknot. <i>Journal of the American Chemical Society</i> , 2003, 125, 12382-12383.	13.7	203