

# 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	Atomic structure and hierarchical assembly of a cross- $\beta^2$ amyloid fibril. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5468-5473.	7.1	479
2	Structure of Antibacterial Peptide Microcin J25: A 21-Residue Lariat Protoknot. Journal of the American Chemical Society, 2003, 125, 12382-12383.	13.7	203
3	Dipolar truncation in magic-angle spinning NMR recoupling experiments. Journal of Chemical Physics, 2009, 130, 114506.	3.0	162
4	Intermolecular Structure Determination of Amyloid Fibrils with Magic-Angle Spinning and Dynamic Nuclear Polarization NMR. Journal of the American Chemical Society, 2011, 133, 13967-13974.	13.7	160
5	Dynamic nuclear polarization-enhanced solid-state NMR spectroscopy of GNNQQNY nanocrystals and amyloid fibrils. Physical Chemistry Chemical Physics, 2010, 12, 5911.	2.8	114
6	Higher Order Amyloid Fibril Structure by MAS NMR and DNP Spectroscopy. Journal of the American Chemical Society, 2013, 135, 19237-19247.	13.7	82
7	Magic Angle Spinning NMR Analysis of $\beta^2$ -Microglobulin Amyloid Fibrils in Two Distinct Morphologies. Journal of the American Chemical Society, 2010, 132, 10414-10423.	13.7	79
8	Radio frequency-driven recoupling at high magic-angle spinning frequencies: Homonuclear recoupling sans heteronuclear decoupling. Journal of Chemical Physics, 2008, 128, 052321.	3.0	73
9	Intermolecular Alignment in $\beta^2$ -Microglobulin Amyloid Fibrils. Journal of the American Chemical Society, 2010, 132, 17077-17079.	13.7	69
10	Broadband Homonuclear Correlation Spectroscopy at High Magnetic Fields and MAS Frequencies. Journal of the American Chemical Society, 2006, 128, 1776-1777.	13.7	59
11	High-Resolution MAS NMR Analysis of PI3-SH3 Amyloid Fibrils: Backbone Conformation and Implications for Protofilament Assembly and Structure. Biochemistry, 2010, 49, 7474-7484.	2.5	52
12	Site-Specific Structural Variations Accompanying Tubular Assembly of the HIV-1 Capsid Protein. Journal of Molecular Biology, 2014, 426, 1109-1127.	4.2	49
13	Solid-State NMR Characterization of Gas Vesicle Structure. Biophysical Journal, 2010, 99, 1932-1939.	0.5	42
14	Long-Range Correlations between Aliphatic $^{13}\text{C}$ Nuclei in Protein MAS NMR Spectroscopy. Angewandte Chemie - International Edition, 2009, 48, 5708-5710.	13.8	35
15	Helical Conformation in the CA-SP1 Junction of the Immature HIV-1 Lattice Determined from Solid-State NMR of Virus-like Particles. Journal of the American Chemical Society, 2016, 138, 12029-12032.	13.7	35
16	NMR Methods for Structural Characterization of Protein-Protein Complexes. Frontiers in Molecular Biosciences, 2020, 7, 9.	3.5	35
17	Solid-State NMR Evidence for Inequivalent GvpA Subunits in Gas Vesicles. Journal of Molecular Biology, 2009, 387, 1032-1039.	4.2	33
18	An Amyloid Organelle, Solid-state NMR Evidence for Cross- $\beta^2$ Assembly of Gas Vesicles. Journal of Biological Chemistry, 2012, 287, 3479-3484.	3.4	33

#	ARTICLE	IF	CITATIONS
19	Aptamer-Based Impedimetric Assay of Arsenite in Water: Interfacial Properties and Performance. ACS Omega, 2018, 3, 1437-1444.	3.5	33
20	Dipolar recoupling in solid state NMR by phase alternating pulse sequences. Journal of Magnetic Resonance, 2009, 197, 145-152.	2.1	20
21	Structure of the Dimerization Interface in the Mature HIV-1 Capsid Protein Lattice from Solid State NMR of Tubular Assemblies. Journal of the American Chemical Society, 2016, 138, 8538-8546.	13.7	20
22	Major Variations in HIV-1 Capsid Assembly Morphologies Involve Minor Variations in Molecular Structures of Structurally Ordered Protein Segments. Journal of Biological Chemistry, 2016, 291, 13098-13112.	3.4	15
23	Efficacy of Rac and Cdc42 Inhibitor MBQ-167 in Triple-negative Breast Cancer. Molecular Cancer Therapeutics, 2021, 20, 2420-2432.	4.1	13
24	SPINS: A laboratory information management system for organizing and archiving intermediate and final results from NMR protein structure determinations. Proteins: Structure, Function and Bioinformatics, 2006, 62, 843-851.	2.6	11
25	Solid-state NMR Investigation of b2-Microglobulin Fibril Structure and Dynamics. Biophysical Journal, 2009, 96, 86a.	0.5	0