

# Sarah D Cady

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

2,132  
citations

430442

18  
h-index

713013

21  
g-index

22  
all docs

22  
docs citations

22  
times ranked

2373  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure of the amantadine binding site of influenza M2 proton channels in lipid bilayers. <i>Nature</i> , 2010, 463, 689-692.	13.7	590
2	Membrane-dependent oligomeric structure and pore formation of a beta-hairpin antimicrobial peptide in lipid bilayers from solid-state NMR. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 16242-16247.	3.3	228
3	Structure of Amantadine-Bound M2 Transmembrane Peptide of Influenza A in Lipid Bilayers from Magic-Angle-Spinning Solid-State NMR: The Role of Ser31 in Amantadine Binding. <i>Journal of Molecular Biology</i> , 2009, 385, 1127-1141.	2.0	135
4	Determining the Orientation of Uniaxially Rotating Membrane Proteins Using Unoriented Samples: $\text{A}^2\text{H}$ , $^{13}\text{C}$ , and $^{15}\text{N}$ Solid-State NMR Investigation of the Dynamics and Orientation of a Transmembrane Helical Bundle. <i>Journal of the American Chemical Society</i> , 2007, 129, 5719-5729.	6.6	133
5	Persistent Dopants and Phase Segregation in Organolead Mixed-Halide Perovskites. <i>Chemistry of Materials</i> , 2016, 28, 6848-6859.	3.2	132
6	Structure and Function of the Influenza A M2 Proton Channel. <i>Biochemistry</i> , 2009, 48, 7356-7364.	1.2	125
7	Amantadine-induced conformational and dynamical changes of the influenza M2 transmembrane proton channel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 1483-1488.	3.3	109
8	Specific Binding of Adamantane Drugs and Direction of Their Polar Amines in the Pore of the Influenza M2 Transmembrane Domain in Lipid Bilayers and Dodecylphosphocholine Micelles Determined by NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2011, 133, 4274-4284.	6.6	100
9	Discovery of Spiro-Piperidine Inhibitors and Their Modulation of the Dynamics of the M2 Proton Channel from Influenza A Virus. <i>Journal of the American Chemical Society</i> , 2009, 131, 8066-8076.	6.6	87
10	Membrane-Dependent Effects of a Cytoplasmic Helix on the Structure and Drug Binding of the Influenza Virus M2 Protein. <i>Journal of the American Chemical Society</i> , 2011, 133, 11572-11579.	6.6	80
11	Conformational plasticity of the influenza A M2 transmembrane helix in lipid bilayers under varying pH, drug binding, and membrane thickness. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 415-423.	1.4	77
12	Immobilization of the Influenza A M2 Transmembrane Peptide in Virus Envelope $\alpha$ Mimetic Lipid Membranes: A Solid-State NMR Investigation. <i>Biochemistry</i> , 2009, 48, 6361-6368.	1.2	61
13	NMR Determination of Protein Partitioning into Membrane Domains with Different Curvatures and Application to the Influenza M2 Peptide. <i>Biophysical Journal</i> , 2012, 102, 787-794.	0.2	58
14	Quantitative Investigation of Free Radicals in Bio $\omega$ Oil and their Potential Role in Condensed $\alpha$ Phase Polymerization. <i>ChemSusChem</i> , 2015, 8, 894-900.	3.6	56
15	$\text{Cu}_{2\text{ZnSnS}_4}$ Nanorods Doped with Tetrahedral, High Spin Transition Metal Ions: $\text{Mn}^{2+}$ , $\text{Co}^{2+}$ , and $\text{Ni}^{2+}$ . <i>Chemistry of Materials</i> , 2016, 28, 1668-1677.	3.2	40
16	Effects of amantadine on the dynamics of membrane-bound influenza A M2 transmembrane peptide studied by NMR relaxation. <i>Journal of Biomolecular NMR</i> , 2009, 45, 185-196.	1.6	38
17	Lead-Free Semiconductors: Soft Chemistry, Dimensionality Control, and Manganese $\delta$ Doping of Germanium Halide Perovskites. <i>ChemNanoMat</i> , 2019, 5, 334-339.	1.5	22
18	Accurate Measurement of Methyl $^{13}\text{C}$ Chemical Shifts by Solid-State NMR for the Determination of Protein Side Chain Conformation: The Influenza A M2 Transmembrane Peptide as an Example. <i>Journal of the American Chemical Society</i> , 2009, 131, 7806-7816.	6.6	21

#	ARTICLE	IF	CITATIONS
19	Synthesis-enabled exploration of chiral and polar multivalent quaternary sulfides. <i>Chemical Science</i> , 2021, 12, 14718-14730.	3.7	16
20	Simultaneous extraction of multiple orientational constraints of membrane proteins by <sup>13</sup> C-detected Nâ€“H dipolar couplings under magic angle spinning. <i>Journal of Magnetic Resonance</i> , 2008, 191, 219-225.	1.2	14
21	Premethylation of Lignin Hydroxyl Functionality for Improving Storage Stability of Oil from Solvent Liquefaction. <i>Energy &amp; Fuels</i> , 2019, 33, 1248-1255.	2.5	10
22	Effect of Acetylation on the Mechanical and Thermal Properties of Soy Flour Elastomers. <i>Journal of Renewable Materials</i> , 2017, 5, 124-126.	1.1	0