

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 | Synthesis-enabled exploration of chiral and polar multivalent quaternary sulfides. <i>Chemical Science</i> , 2021, 12, 14718-14730. | 3.7 | 16 |
| 2 | Premethylation of Lignin Hydroxyl Functionality for Improving Storage Stability of Oil from Solvent Liquefaction. <i>Energy & Fuels</i> , 2019, 33, 1248-1255. | 2.5 | 10 |
| 3 | Lead-Free Semiconductors: Soft Chemistry, Dimensionality Control, and Manganese Doping of Germanium Halide Perovskites. <i>ChemNanoMat</i> , 2019, 5, 334-339. | 1.5 | 22 |
| 4 | 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 |
| 5 | Persistent Dopants and Phase Segregation in Organolead Mixed-Halide Perovskites. <i>Chemistry of Materials</i> , 2016, 28, 6848-6859. | 3.2 | 132 |
| 6 | Cu ₂ ZnSn ₄ Nanorods Doped with Tetrahedral, High Spin Transition Metal Ions: Mn ²⁺ , Co ²⁺ , and Ni ²⁺ . <i>Chemistry of Materials</i> , 2016, 28, 1668-1677. | 3.2 | 40 |
| 7 | Quantitative Investigation of Free Radicals in Bio-Oil and their Potential Role in Condensed-Phase Polymerization. <i>ChemSusChem</i> , 2015, 8, 894-900. | 3.6 | 56 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 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 | Structure of the amantadine binding site of influenza M2 proton channels in lipid bilayers. <i>Nature</i> , 2010, 463, 689-692. | 13.7 | 590 |
| 13 | 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 |
| 14 | Structure and Function of the Influenza A M2 Proton Channel. <i>Biochemistry</i> , 2009, 48, 7356-7364. | 1.2 | 125 |
| 15 | Accurate Measurement of Methyl ¹³ 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 |
| 16 | Immobilization of the Influenza A M2 Transmembrane Peptide in Virus Envelope-Mimetic Lipid Membranes: A Solid-State NMR Investigation. <i>Biochemistry</i> , 2009, 48, 6361-6368. | 1.2 | 61 |
| 17 | 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 |
| 18 | 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 |

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|----|--|-----|-----------|
| 19 | Simultaneous extraction of multiple orientational constraints of membrane proteins by ^{13}C -detected $\text{N}\alpha\text{-}^1\text{H}$ dipolar couplings under magic angle spinning. <i>Journal of Magnetic Resonance</i> , 2008, 191, 219-225. | 1.2 | 14 |
| 20 | 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 |
| 21 | Determining the Orientation of Uniaxially Rotating Membrane Proteins Using Unoriented Samples: ^1H , ^{13}C , and ^{15}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 |
| 22 | 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 |