

Lei Shi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11325321/publications.pdf>

Version: 2024-02-01

20
papers

1,594
citations

471509

17
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

1927
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Macromolecular modeling and design in Rosetta: recent methods and frameworks. <i>Nature Methods</i> , 2020, 17, 665-680. | 19.0 | 513 |
| 2 | A hybrid NMR/SAXS-based approach for discriminating oligomeric protein interfaces using Rosetta. <i>Proteins: Structure, Function and Bioinformatics</i> , 2015, 83, 309-317. | 2.6 | 33 |
| 3 | Structure of the β -crystallin domain from the redox-sensitive chaperone, HSPB1. <i>Journal of Biomolecular NMR</i> , 2015, 63, 223-228. | 2.8 | 38 |
| 4 | Dysfunctional conformational dynamics of protein kinase A induced by a lethal mutant of phospholamban hinder phosphorylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 3716-3721. | 7.1 | 43 |
| 5 | Intrinsic disorder drives N-terminal ubiquitination by Ube2w. <i>Nature Chemical Biology</i> , 2015, 11, 83-89. | 8.0 | 68 |
| 6 | A conserved histidine modulates HSPB5 structure to trigger chaperone activity in response to stress-related acidosis. <i>ELife</i> , 2015, 4, . | 6.0 | 52 |
| 7 | Structures of the Excited States of Phospholamban and Shifts in Their Populations upon Phosphorylation. <i>Biochemistry</i> , 2013, 52, 6684-6694. | 2.5 | 24 |
| 8 | Allostery and Binding Cooperativity of the Catalytic Subunit of Protein Kinase A by NMR Spectroscopy and Molecular Dynamics Simulations. <i>Advances in Protein Chemistry and Structural Biology</i> , 2012, 87, 363-389. | 2.3 | 41 |
| 9 | Paramagnetic-Based NMR Restraints Lift Residual Dipolar Coupling Degeneracy in Multidomain Detergent-Solubilized Membrane Proteins. <i>Journal of the American Chemical Society</i> , 2011, 133, 2232-2241. | 13.7 | 25 |
| 10 | Probing membrane topology of the antimicrobial peptide distinctin by solid-state NMR spectroscopy in zwitterionic and charged lipid bilayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 34-40. | 2.6 | 28 |
| 11 | cAMP-Dependent Protein Kinase A Selects the Excited State of the Membrane Substrate Phospholamban. <i>Journal of Molecular Biology</i> , 2011, 412, 155-164. | 4.2 | 58 |
| 12 | Structural topology of phospholamban pentamer in lipid bilayers by a hybrid solution and solid-state NMR method. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 9101-9106. | 7.1 | 154 |
| 13 | Dynamically committed, uncommitted, and quenched states encoded in protein kinase A revealed by NMR spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 6969-6974. | 7.1 | 129 |
| 14 | What Can We Learn from a Small Regulatory Membrane Protein?. <i>Methods in Molecular Biology</i> , 2010, 654, 303-319. | 0.9 | 8 |
| 15 | Structure and topology of monomeric phospholamban in lipid membranes determined by a hybrid solution and solid-state NMR approach. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 10165-10170. | 7.1 | 158 |
| 16 | A refinement protocol to determine structure, topology, and depth of insertion of membrane proteins using hybrid solution and solid-state NMR restraints. <i>Journal of Biomolecular NMR</i> , 2009, 44, 195-205. | 2.8 | 48 |
| 17 | Backbone NMR resonance assignment of the catalytic subunit of cAMP-dependent protein kinase A in complex with AMP-PNP. <i>Biomolecular NMR Assignments</i> , 2009, 3, 115-117. | 0.8 | 13 |
| 18 | Tilt and Azimuthal Angles of a Transmembrane Peptide: A Comparison between Molecular Dynamics Calculations and Solid-State NMR Data of Sarcolipin in Lipid Membranes. <i>Biophysical Journal</i> , 2009, 96, 3648-3662. | 0.5 | 33 |

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|----|--|-----|-----------|
| 19 | Structural and Dynamic Basis of Phospholamban and Sarcolipin Inhibition of Ca ²⁺ -ATPase. <i>Biochemistry</i> , 2008, 47, 3-13. | 2.5 | 121 |
| 20 | Propagation of photon noise and information transfer in visual motion detection. <i>Journal of Computational Neuroscience</i> , 2006, 20, 167-178. | 1.0 | 6 |