

George P Lisi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1858388/publications.pdf>

Version: 2024-02-01

27
papers

756
citations

759233

12
h-index

552781

26
g-index

34
all docs

34
docs citations

34
times ranked

818
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Structural and dynamic insights into the HNH nuclease of divergent Cas9 species. <i>Journal of Structural Biology</i> , 2022, 214, 107814. | 2.8 | 8 |
| 2 | A Cysteine Variant at an Allosteric Site Alters MIF Dynamics and Biological Function in Homo- and Heterotrimeric Assemblies. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 783669. | 3.5 | 3 |
| 3 | Insights into Binding of Single-Stranded Viral RNA Template to the Replication-Transcription Complex of SARS-CoV-2 for the Priming Reaction from Molecular Dynamics Simulations. <i>Biochemistry</i> , 2022, 61, 424-432. | 2.5 | 10 |
| 4 | Editorial: Structural and Dynamic Aspects of Protein Function and Allostery. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 876499. | 3.5 | 0 |
| 5 | Redox-dependent structure and dynamics of macrophage migration inhibitory factor reveal sites of latent allostery. <i>Structure</i> , 2022, 30, 840-850.e6. | 3.3 | 7 |
| 6 | Structural Basis for Reduced Dynamics of Three Engineered HNH Endonuclease Lys-to-Ala Mutants for the Clustered Regularly Interspaced Short Palindromic Repeat (CRISPR)-Associated 9 (CRISPR/Cas9) Enzyme. <i>Biochemistry</i> , 2022, 61, 785-794. | 2.5 | 12 |
| 7 | ¹ H, ¹³ C, ¹⁵ N backbone resonance assignment of the recognition lobe subdomain 3 (Rec3) from <i>Streptococcus pyogenes</i> CRISPR-Cas9. <i>Biomolecular NMR Assignments</i> , 2021, 15, 25-28. | 0.8 | 1 |
| 8 | A simple approach for reconstruction of non-uniformly sampled pseudo-3D NMR data for accurate measurement of spin relaxation parameters. <i>Journal of Biomolecular NMR</i> , 2021, 75, 213-219. | 2.8 | 1 |
| 9 | Mechanism of Inhibition of the Reproduction of SARS-CoV-2 and Ebola Viruses by Remdesivir. <i>Biochemistry</i> , 2021, 60, 1869-1875. | 2.5 | 12 |
| 10 | The N-terminus of MIF regulates the dynamic profile of residues involved in CD74 activation. <i>Biophysical Journal</i> , 2021, 120, 3893-3900. | 0.5 | 8 |
| 11 | A structurally preserved allosteric site in the MIF superfamily affects enzymatic activity and CD74 activation in D-dopachrome tautomerase. <i>Journal of Biological Chemistry</i> , 2021, 297, 101061. | 3.4 | 7 |
| 12 | Molecular Level Insights Into the Structural and Dynamic Factors Driving Cytokine Function. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 773252. | 3.5 | 2 |
| 13 | Enhanced specificity mutations perturb allosteric signaling in CRISPR-Cas9. <i>ELife</i> , 2021, 10, . | 6.0 | 27 |
| 14 | Allosteric Motions of the CRISPR-Cas9 HNH Nuclease Probed by NMR and Molecular Dynamics. <i>Journal of the American Chemical Society</i> , 2020, 142, 1348-1358. | 13.7 | 78 |
| 15 | NMR and computational methods for molecular resolution of allosteric pathways in enzyme complexes. <i>Biophysical Reviews</i> , 2020, 12, 155-174. | 3.2 | 35 |
| 16 | Regulation of MIF Enzymatic Activity by an Allosteric Site at the Central Solvent Channel. <i>Cell Chemical Biology</i> , 2020, 27, 740-750.e5. | 5.2 | 20 |
| 17 | High-Throughput Screening of a Functional Human CXCL12-CXCR4 Signaling Axis in a Genetically Modified <i>S. cerevisiae</i> : Discovery of a Novel Up-Regulator of CXCR4 Activity. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 164. | 3.5 | 2 |
| 18 | Mapping the Structural and Dynamic Determinants of pH-Sensitive Heparin Binding to Granulocyte Macrophage Colony Stimulating Factor. <i>Biochemistry</i> , 2020, 59, 3541-3553. | 2.5 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | ¹ H, ¹³ C, ¹⁵ N backbone and side chain resonance assignment of the HNH nuclease from <i>Streptococcus pyogenes</i> CRISPR-Cas9. <i>Biomolecular NMR Assignments</i> , 2019, 13, 367-370. | 0.8 | 5 |
| 20 | Eigenvector centrality for characterization of protein allosteric pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E12201-E12208. | 7.1 | 145 |
| 21 | Glutamine Hydrolysis by Imidazole Glycerol Phosphate Synthase Displays Temperature Dependent Allosteric Activation. <i>Frontiers in Molecular Biosciences</i> , 2018, 5, 4. | 3.5 | 25 |
| 22 | Altering the allosteric pathway in IGPS suppresses millisecond motions and catalytic activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E3414-E3423. | 7.1 | 55 |
| 23 | Allostery in enzyme catalysis. <i>Current Opinion in Structural Biology</i> , 2017, 47, 123-130. | 5.7 | 60 |
| 24 | Dissecting Dynamic Allosteric Pathways Using Chemically Related Small-Molecule Activators. <i>Structure</i> , 2016, 24, 1155-1166. | 3.3 | 38 |
| 25 | Using NMR spectroscopy to elucidate the role of molecular motions in enzyme function. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2016, 92-93, 1-17. | 7.5 | 42 |
| 26 | Solution NMR Spectroscopy for the Study of Enzyme Allostery. <i>Chemical Reviews</i> , 2016, 116, 6323-6369. | 47.7 | 106 |
| 27 | Redox-dependent stability, protonation, and reactivity of cysteine-bound heme proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E306-15. | 7.1 | 43 |