

# George P Lisi

## List of Publications by Year in descending order

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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	Eigenvector centrality for characterization of protein allosteric pathways. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E12201-E12208.	7.1	145
2	Solution NMR Spectroscopy for the Study of Enzyme Allostery. Chemical Reviews, 2016, 116, 6323-6369.	47.7	106
3	Allosteric Motions of the CRISPR-Cas9 HNH Nuclease Probed by NMR and Molecular Dynamics. Journal of the American Chemical Society, 2020, 142, 1348-1358.	13.7	78
4	Allostery in enzyme catalysis. Current Opinion in Structural Biology, 2017, 47, 123-130.	5.7	60
5	Altering the allosteric pathway in IGPS suppresses millisecond motions and catalytic activity. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E3414-E3423.	7.1	55
6	Redox-dependent stability, protonation, and reactivity of cysteine-bound heme proteins. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E306-15.	7.1	43
7	Using NMR spectroscopy to elucidate the role of molecular motions in enzyme function. Progress in Nuclear Magnetic Resonance Spectroscopy, 2016, 92-93, 1-17.	7.5	42
8	Dissecting Dynamic Allosteric Pathways Using Chemically Related Small-Molecule Activators. Structure, 2016, 24, 1155-1166.	3.3	38
9	NMR and computational methods for molecular resolution of allosteric pathways in enzyme complexes. Biophysical Reviews, 2020, 12, 155-174.	3.2	35
10	Enhanced specificity mutations perturb allosteric signaling in CRISPR-Cas9. ELife, 2021, 10, .	6.0	27
11	Glutamine Hydrolysis by Imidazole Glycerol Phosphate Synthase Displays Temperature Dependent Allosteric Activation. Frontiers in Molecular Biosciences, 2018, 5, 4.	3.5	25
12	Regulation of MIF Enzymatic Activity by an Allosteric Site at the Central Solvent Channel. Cell Chemical Biology, 2020, 27, 740-750.e5.	5.2	20
13	Mechanism of Inhibition of the Reproduction of SARS-CoV-2 and Ebola Viruses by Remdesivir. Biochemistry, 2021, 60, 1869-1875.	2.5	12
14	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. Biochemistry, 2022, 61, 785-794.	2.5	12
15	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. Biochemistry, 2022, 61, 424-432.	2.5	10
16	The N-terminus of MIF regulates the dynamic profile of residues involved in CD74 activation. Biophysical Journal, 2021, 120, 3893-3900.	0.5	8
17	Structural and dynamic insights into the HNH nuclease of divergent Cas9 species. Journal of Structural Biology, 2022, 214, 107814.	2.8	8
18	A structurally preserved allosteric site in the MIF superfamily affects enzymatic activity and CD74 activation in D-dopachrome tautomerase. Journal of Biological Chemistry, 2021, 297, 101061.	3.4	7

#	ARTICLE	IF	CITATIONS
19	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
20	<sup>1</sup> H, <sup>13</sup> C, <sup>15</sup> 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
21	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
22	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
23	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
24	Molecular Level Insights Into the Structural and Dynamic Factors Driving Cytokine Function. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 773252.	3.5	2
25	<sup>1</sup> H, <sup>13</sup> C, <sup>15</sup> 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
26	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
27	Editorial: Structural and Dynamic Aspects of Protein Function and Allostery. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 876499.	3.5	0