

# Claire Lesieur

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2200137/publications.pdf>

Version: 2024-02-01

19  
papers

316  
citations

1040056

9  
h-index

1058476

14  
g-index

19  
all docs

19  
docs citations

19  
times ranked

344  
citing authors

#	ARTICLE	IF	CITATIONS
1	From local to global changes in proteins: a network view. <i>Current Opinion in Structural Biology</i> , 2015, 31, 1-8.	5.7	54
2	Protonation of Histidine-132 Promotes Oligomerization of the Channel-Forming Toxin Aerolysin. <i>Biochemistry</i> , 1995, 34, 16450-16455.	2.5	50
3	Conformational Changes Due to Membrane Binding and Channel Formation by Staphylococcal $\beta$ -Toxin. <i>Journal of Biological Chemistry</i> , 1997, 272, 5709-5717.	3.4	47
4	A Kinetic Model of Intermediate Formation during Assembly of Cholera Toxin B-subunit Pentamers. <i>Journal of Biological Chemistry</i> , 2002, 277, 16697-16704.	3.4	34
5	Exploring Allosteric Pathways of a V-Type Enzyme with Dynamical Perturbation Networks. <i>Journal of Physical Chemistry B</i> , 2019, 123, 3452-3461.	2.6	29
6	Protein structural robustness to mutations: an in silico investigation. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 13770-13780.	2.8	24
7	Cholera Toxin B Subunits Assemble into Pentamers - Proposition of a Fly-Casting Mechanism. <i>PLoS ONE</i> , 2010, 5, e15347.	2.5	21
8	In proteins, the structural responses of a position to mutation rely on the Goldilocks principle: not too many links, not too few. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 25399-25410.	2.8	18
9	Experimental Protein Molecular Dynamics: Broadband Dielectric Spectroscopy coupled with nanoconfinement. <i>Scientific Reports</i> , 2019, 9, 17988.	3.3	11
10	Intermolecular $\beta$ -Strand Networks Avoid Hub Residues and Favor Low Interconnectedness: A Potential Protection Mechanism against Chain Dissociation upon Mutation. <i>PLoS ONE</i> , 2014, 9, e94745.	2.5	7
11	The Assembly of Protein Oligomers " Old Stories and New Perspectives with Graph Theory. , 2014, , .		6
12	Editorial overview: Theory and simulation. <i>Current Opinion in Structural Biology</i> , 2015, 31, v-vi.	5.7	4
13	Experimental diagnostic of sequence-variant dynamic perturbations revealed by broadband dielectric spectroscopy. <i>Structure</i> , 2021, 29, 1419-1429.e3.	3.3	4
14	Analysis of Nanoconfined Protein Dielectric Signals Using Charged Amino Acid Network Models. <i>Australian Journal of Chemistry</i> , 2020, 73, 803.	0.9	3
15	Induced Perturbation Network and tiling for modeling the L55P Transthyretin amyloid fiber. <i>Procedia Computer Science</i> , 2020, 178, 8-17.	2.0	3
16	Mapping Function from Dynamics: Future Challenges for Network-Based Models of Protein Structures. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 744646.	3.5	1
17	A computational methodology to diagnose sequence-variant dynamic perturbations by comparing atomic protein structures. <i>Bioinformatics</i> , 2021, , .	4.1	0
18	Topology Results on of Oligomeric Proteins. <i>Methods in Molecular Biology</i> , 2021, 2253, 113-135.	0.9	0

#	ARTICLE	IF	CITATIONS
19	A protocol to measure slow protein dynamics of the cholera toxin B pentamers using broadband dielectric spectroscopy. STAR Protocols, 2022, 3, 101561.	1.2	0