

# Lucile Moyniã©

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

1,323  
citations

623734

14  
h-index

642732

23  
g-index

25  
all docs

25  
docs citations

25  
times ranked

2816  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neutralizing nanobodies bind SARS-CoV-2 spike RBD and block interaction with ACE2. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 846-854.	8.2	434
2	Porins and small-molecule translocation across the outer membrane of Gram-negative bacteria. <i>Nature Reviews Microbiology</i> , 2020, 18, 164-176.	28.6	225
3	TonB-Dependent Receptor Repertoire of <i>Pseudomonas aeruginosa</i> for Uptake of Siderophore-Drug Conjugates. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	3.2	95
4	Structure and Function of the PiuA and PirA Siderophore-Drug Receptors from <i>Pseudomonas aeruginosa</i> and <i>Acinetobacter baumannii</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	3.2	78
5	Molecular Basis of Filtering Carbapenems by Porins from $\beta$ -Lactam-resistant Clinical Strains of <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2016, 291, 2837-2847.	3.4	65
6	Promysalin Elicits Species-Selective Inhibition of <i>Pseudomonas aeruginosa</i> by Targeting Succinate Dehydrogenase. <i>Journal of the American Chemical Society</i> , 2018, 140, 1774-1782.	13.7	63
7	The complex of ferric-enterobactin with its transporter from <i>Pseudomonas aeruginosa</i> suggests a two-site model. <i>Nature Communications</i> , 2019, 10, 3673.	12.8	62
8	Preacinetobactin not acinetobactin is essential for iron uptake by the BauA transporter of the pathogen <i>Acinetobacter baumannii</i> . <i>ELife</i> , 2018, 7, .	6.0	41
9	Discovery of an Allosteric Inhibitor Binding Site in 3-Oxo-acyl-ACP Reductase from <i>Pseudomonas aeruginosa</i> . <i>ACS Chemical Biology</i> , 2013, 8, 2518-2527.	3.4	38
10	MOMP from <i>Campylobacter jejuni</i> Is a Trimer of 18-Stranded $\beta$ -Barrel Monomers with a Ca <sup>2+</sup> Ion Bound at the Constriction Zone. <i>Journal of Molecular Biology</i> , 2016, 428, 4528-4543.	4.2	36
11	The structure of the <i>Escherichia coli</i> nucleoside diphosphate kinase reveals a new quaternary architecture for this enzyme family. <i>Proteins: Structure, Function and Bioinformatics</i> , 2007, 67, 755-765.	2.6	32
12	Structural Insights into the Mechanism and Inhibition of the $\beta$ -Hydroxydecanoyl-Acyl Carrier Protein Dehydratase from <i>Pseudomonas aeruginosa</i> . <i>Journal of Molecular Biology</i> , 2013, 425, 365-377.	4.2	30
13	A Key Role for the Periplasmic PfeE Esterase in Iron Acquisition via the Siderophore Enterobactin in <i>Pseudomonas aeruginosa</i> . <i>ACS Chemical Biology</i> , 2018, 13, 2603-2614.	3.4	30
14	Using the pimeloyl-CoA synthetase adenylation fold to synthesize fatty acid thioesters. <i>Nature Chemical Biology</i> , 2017, 13, 660-667.	8.0	21
15	Intersubunit Ionic Interactions Stabilize the Nucleoside Diphosphate Kinase of <i>Mycobacterium tuberculosis</i> . <i>PLoS ONE</i> , 2013, 8, e57867.	2.5	12
16	Correlation between the binding affinity and the conformational entropy of nanobody SARS-CoV-2 spike protein complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	11
17	Functional significance of four successive glycine residues in the pyrophosphate binding loop of fungal $\alpha$ -xopurine phosphoribosyltransferases. <i>Protein Science</i> , 2012, 21, 1185-1196.	7.6	9
18	An intersubunit disulfide bridge stabilizes the tetrameric nucleoside diphosphate kinase of <i>Aquifex aeolicus</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2012, 80, 1658-1668.	2.6	8

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19	A Substrate Mimic Allows High-Throughput Assay of the FabA Protein and Consequently the Identification of a Novel Inhibitor of <i>Pseudomonas aeruginosa</i> FabA. <i>Journal of Molecular Biology</i> , 2016, 428, 108-120.	4.2	8
20	Complexes formed by the siderophore-based monosulfactam antibiotic BAL30072 and their interaction with the outer membrane receptor PiuA of <i>P. aeruginosa</i> . <i>BioMetals</i> , 2019, 32, 155-170.	4.1	8
21	Structure of <i>Mycobacterium tuberculosis</i> nucleoside diphosphate kinase R80N mutant in complex with citrate. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 40-43.	0.8	6
22	Investigation of Siderophore-Monobactam Antibiotic Derivatives: Their Iron(III)-Complexes and Binding to Receptors. <i>Biophysical Journal</i> , 2017, 112, 551a-552a.	0.5	1
23	Structural studies of proteins involved in the activity of novel antibiotics. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2014, 70, C710-C710.	0.1	0