Arnaud BaslÃ©

List of Publications by Year
in descending order

29 papers	1,478 citations	516710 16 h-index	477307 29 g-index
30 all docs	30 docs citations	30 times ranked	1996 citing authors

#	Article	IF	Citations
1	Glycan complexity dictates microbial resource allocation in the large intestine. Nature Communications, 2015, 6, 7481.	12.8	328
2	Structural basis for nutrient acquisition by dominant members of the human gut microbiota. Nature, 2017, 541, 407-411.	27.8	188
3	Structural basis for maintenance of bacterial outer membrane lipid asymmetry. Nature Microbiology, 2017, 2, 1616-1623.	13.3	118
4	Complex N-glycan breakdown by gut Bacteroides involves an extensive enzymatic apparatus encoded by multiple co-regulated genetic loci. Nature Microbiology, 2019, 4, 1571-1581.	13.3	116
5	A four-helix bundle stores copper for methane oxidation. Nature, 2015, 525, 140-143.	27.8	83
6	Prominent members of the human gut microbiota express endo-acting O-glycanases to initiate mucin breakdown. Nature Communications, 2020, 11, 4017.	12.8	81
7	Small-Molecule Transport by CarO, an Abundant Eight-Stranded Î²-Barrel Outer Membrane Protein from Acinetobacter baumannii. Journal of Molecular Biology, 2015, 427, 2329-2339.	4.2	54
8	Bacterial cytosolic proteins with a high capacity for Cu(I) that protect against copper toxicity. Scientific Reports, 2016, 6, 39065.	3.3	52
9	Structural basis for Mep2 ammonium transceptor activation by phosphorylation. Nature Communications, 2016, 7, 11337.	12.8	52
10	Structural Insights into Outer Membrane Permeability of Acinetobacter baumannii. Structure, 2016, 24, 221-231.	3.3	49
11	Structural and functional insights into oligopeptide acquisition by the RagAB transporter from Porphyromonas gingivalis. Nature Microbiology, 2020, 5, 1016-1025.	13.3	46
12	Insights into SusCD-mediated glycan import by a prominent gut symbiont. Nature Communications, 2021, 12, 44.	12.8	42
13	Structural basis for chitin acquisition by marine Vibrio species. Nature Communications, 2018, 9, 220.	12.8	37
14	Structure and assembly of the S-layer in C. difficile. Nature Communications, 2022, 13, 970.	12.8	30
15	Unusual Constriction Zones in the Major Porins OmpU and OmpT from Vibrio cholerae. Structure, 2018, 26, 708-721.e4.	3.3	22
16	An evolutionary path to altered cofactor specificity in a metalloenzyme. Nature Communications, 2020, 11, 2738.	12.8	22
17	Pore dynamics and asymmetric cargo loading in an encapsulin nanocompartment. Science Advances, 2022, 8, eabj4461.	10.3	22
18	Crystal structure of NucB, a biofilm-degrading endonuclease. Nucleic Acids Research, 2018, 46, 473-484.	14.5	21

#	Article	IF	Citations
19	Structural Basis for Silicic Acid Uptake by Higher Plants. Journal of Molecular Biology, 2021, 433, 167226.	4.2	18
20	Visualizing Biological Copper Storage: The Importance of Thiolateâ€Coordinated Tetranuclear Clusters. Angewandte Chemie - International Edition, 2017, 56, 8697-8700.	13.8	16
21	Insight into Metal Removal from Peptides that Sequester Copper for Methane Oxidation. Chemistry - A European Journal, 2018, 24, 4515-4518.	3.3	16
22	Acquisition of ionic copper by the bacterial outer membrane protein OprC through a novel binding site. PLoS Biology, 2021, 19, e3001446.	5.6	14
23	Dissecting the structural and functional roles of a putative metal entry site in encapsulated ferritins. Journal of Biological Chemistry, 2020, 295, 15511-15526.	3.4	13
24	Uptake of monoaromatic hydrocarbons during biodegradation by FadL channel-mediated lateral diffusion. Nature Communications, 2020, 11, 6331.	12.8	10
25	Crystal structure of theAcinetobacter baumanniiouter membrane protein Omp33. Acta Crystallographica Section D: Structural Biology, 2018, 74, 852-860.	2.3	8
26	The predictive power of data-processing statistics. IUCrJ, 2020, 7, 342-354.	2.2	7
27	A comprehensive structural analysis of the ATPase domain of human DNA topoisomerase II beta bound to AMPPNP, ADP, and the bisdioxopiperazine, ICRF193. Structure, 2022, 30, 1129-1145.e3.	3.3	6
28	Visualizing Biological Copper Storage: The Importance of Thiolateâ€Coordinated Tetranuclear Clusters. Angewandte Chemie, 2017, 129, 8823-8826.	2.0	3
29	A practical overview of molecular replacement: Clostridioides difficile PilA1, a difficult case study. Acta Crystallographica Section D: Structural Biology, 2020, 76, 261-271.	2.3	3