

# Fabien Bonneau

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1814958/publications.pdf>

Version: 2024-02-01

21  
papers

1,623  
citations

471061

17  
h-index

713013

21  
g-index

26  
all docs

26  
docs citations

26  
times ranked

2156  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and Biochemical Insights to the Role of the CCR4-NOT Complex and DDX6 ATPase in MicroRNA Repression. <i>Molecular Cell</i> , 2014, 54, 751-765.	4.5	276
2	Molecular Mechanisms for the RNA-Dependent ATPase Activity of Upf1 and Its Regulation by Upf2. <i>Molecular Cell</i> , 2011, 41, 693-703.	4.5	243
3	The Yeast Exosome Functions as a Macromolecular Cage to Channel RNA Substrates for Degradation. <i>Cell</i> , 2009, 139, 547-559.	13.5	225
4	Structural analysis reveals the characteristic features of Mtr4, a DExH helicase involved in nuclear RNA processing and surveillance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 12139-12144.	3.3	129
5	Structural Model of a CRISPR RNA-Silencing Complex Reveals the RNA-Target Cleavage Activity in Cmr4. <i>Molecular Cell</i> , 2014, 56, 43-54.	4.5	129
6	Phospho-dependent and phospho-independent interactions of the helicase UPF1 with the NMD factors SMG5 and SMG7 and SMG6. <i>Nucleic Acids Research</i> , 2014, 42, 9447-9460.	6.5	92
7	The Molecular Architecture of the TRAMP Complex Reveals the Organization and Interplay of Its Two Catalytic Activities. <i>Molecular Cell</i> , 2014, 55, 856-867.	4.5	69
8	Structure of the RNA Helicase MLE Reveals the Molecular Mechanisms for Uridine Specificity and RNA-ATP Coupling. <i>Molecular Cell</i> , 2015, 60, 487-499.	4.5	67
9	Mpp6 Incorporation in the Nuclear Exosome Contributes to RNA Channeling through the Mtr4 Helicase. <i>Cell Reports</i> , 2017, 20, 2279-2286.	2.9	49
10	Distinct and evolutionary conserved structural features of the human nuclear exosome complex. <i>ELife</i> , 2018, 7, .	2.8	47
11	The structure of the Pan2 and Pan3 core complex reveals cross-talk between deadenylase and pseudokinase. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 591-598.	3.6	45
12	Sen1 has unique structural features grafted on the architecture of the Upf1-like helicase family. <i>EMBO Journal</i> , 2017, 36, 1590-1604.	3.5	45
13	A conserved structural element in the RNA helicase UPF1 regulates its catalytic activity in an isoform-specific manner. <i>Nucleic Acids Research</i> , 2018, 46, 2648-2659.	6.5	34
14	InsP6 binding to PIKK kinases revealed by the cryo-EM structure of an SMG1 and SMG8 and SMG9 complex. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 1089-1093.	3.6	30
15	Structure of substrate-bound SMG1-8-9 kinase complex reveals molecular basis for phosphorylation specificity. <i>ELife</i> , 2020, 9, .	2.8	25
16	Structural basis for the activation of the <i>C. elegans</i> noncanonical cytoplasmic poly(A)-polymerase GLD-2 by GLD-3. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 8614-8619.	3.3	23
17	The human SKI complex regulates channeling of ribosome-bound RNA to the exosome via an intrinsic gatekeeping mechanism. <i>Molecular Cell</i> , 2022, 82, 756-769.e8.	4.5	23
18	Structural insights into the nucleic acid remodeling mechanisms of the yeast THO-Sub2 complex. <i>ELife</i> , 2020, 9, .	2.8	21

#	ARTICLE	IF	CITATIONS
19	Cryo-EM reconstructions of inhibitor-bound SMG1 kinase reveal an autoinhibitory state dependent on SMG8. <i>ELife</i> , 2021, 10, .	2.8	18
20	To Process or to Decay: A Mechanistic View of the Nuclear RNA Exosome. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2019, 84, 155-163.	2.0	16
21	Structure and regulation of the nuclear exosome targeting complex guides RNA substrates to the exosome. <i>Molecular Cell</i> , 2022, 82, 2505-2518.e7.	4.5	15