

SÃ©bastien Fribourg

List of Publications by Year in descending order

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48
papers

3,199
citations

201385

27
h-index

197535

49
g-index

52
all docs

52
docs citations

52
times ranked

4062
citing authors

#	ARTICLE	IF	CITATIONS
1	Mutations in the XPD helicase gene result in XP and TTD phenotypes, preventing interaction between XPD and the p44 subunit of TFIIH. <i>Nature Genetics</i> , 1998, 20, 184-188.	9.4	320
2	Mutations of POLR3A Encoding a Catalytic Subunit of RNA Polymerase Pol III Cause a Recessive Hypomyelinating Leukodystrophy. <i>American Journal of Human Genetics</i> , 2011, 89, 415-423.	2.6	219
3	Structural Basis for the Recognition of a Nucleoporin FG Repeat by the NTF2-like Domain of the TAP/p15 mRNA Nuclear Export Factor. <i>Molecular Cell</i> , 2001, 8, 645-656.	4.5	211
4	Impaired ribosome biogenesis in Diamond-Blackfan anemia. <i>Blood</i> , 2007, 109, 1275-1283.	0.6	202
5	The archaeal exosome core is a hexameric ring structure with three catalytic subunits. <i>Nature Structural and Molecular Biology</i> , 2005, 12, 575-581.	3.6	198
6	Molecular Structure of Human TFIIH. <i>Cell</i> , 2000, 102, 599-607.	13.5	175
7	Clinical spectrum of 4H leukodystrophy caused by <i>POLR3A</i> and <i>POLR3B</i> mutations. <i>Neurology</i> , 2014, 83, 1898-1905.	1.5	170
8	A novel mode of RBD-protein recognition in the Y14â€™Mago complex. <i>Nature Structural and Molecular Biology</i> , 2003, 10, 433-439.	3.6	150
9	Recessive Mutations in POLR3B, Encoding the Second Largest Subunit of Pol III, Cause a Rare Hypomyelinating Leukodystrophy. <i>American Journal of Human Genetics</i> , 2011, 89, 652-655.	2.6	139
10	Recessive mutations in POLR1C cause a leukodystrophy by impairing biogenesis of RNA polymerase III. <i>Nature Communications</i> , 2015, 6, 7623.	5.8	127
11	Inborn errors in RNA polymerase III underlie severe varicella zoster virus infections. <i>Journal of Clinical Investigation</i> , 2017, 127, 3543-3556.	3.9	125
12	Deciphering correct strategies for multiprotein complex assembly by co-expression: Application to complexes as large as the histone octamer. <i>Journal of Structural Biology</i> , 2011, 175, 178-188.	1.3	116
13	Mutation of ribosomal protein RPS24 in Diamond-Blackfan anemia results in a ribosome biogenesis disorder. <i>Human Molecular Genetics</i> , 2008, 17, 1253-1263.	1.4	100
14	RPS19 mutations in patients with Diamond-Blackfan anemia. <i>Human Mutation</i> , 2008, 29, 911-920.	1.1	94
15	Peptides derived from the bifunctional kinase/RNase enzyme IRE1Î± modulate IRE1Î± activity and protect cells from endoplasmic reticulum stress. <i>FASEB Journal</i> , 2011, 25, 3115-3129.	0.2	71
16	Dissecting the interaction network of multiprotein complexes by pairwise coexpression of subunits in <i>E. coli</i> Edited by K. Nagai. <i>Journal of Molecular Biology</i> , 2001, 306, 363-373.	2.0	64
17	Molecular basis of Diamond Blackfan anemia: structure and function analysis of RPS19. <i>Nucleic Acids Research</i> , 2007, 35, 5913-5921.	6.5	56
18	Exploring TARâ€™RNA aptamer loopâ€™loop interaction by X-ray crystallography, UV spectroscopy and surface plasmon resonance. <i>Nucleic Acids Research</i> , 2008, 36, 7146-7156.	6.5	54

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19	Varicella-zoster virus CNS vasculitis and RNA polymerase III gene mutation in identical twins. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2018, 5, e500.	3.1	49
20	Structural similarity in the absence of sequence homology of the messenger RNA export factors Mtr2 and p15. <i>EMBO Reports</i> , 2003, 4, 699-703.	2.0	48
21	Structure-function analysis of hRPC62 provides insights into RNA polymerase III transcription initiation. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 352-358.	3.6	43
22	The structure of the CstF-77 homodimer provides insights into CstF assembly. <i>Nucleic Acids Research</i> , 2007, 35, 4515-4522.	6.5	42
23	Structural and functional aspects of winged-helix domains at the core of transcription initiation complexes. <i>Transcription</i> , 2012, 3, 2-7.	1.7	42
24	Clinical spectrum of POLR3-related leukodystrophy caused by biallelic <i>POLR1C</i> pathogenic variants. <i>Neurology: Genetics</i> , 2019, 5, e369.	0.9	38
25	An essential role for Clp1 in assembly of polyadenylation complex CF IA and Pol II transcription termination. <i>Nucleic Acids Research</i> , 2012, 40, 1226-1239.	6.5	31
26	Locked Tether Formation by Cooperative Folding of Rna14p Monkeytail and Rna15p Hinge Domains in the Yeast CF IA Complex. <i>Structure</i> , 2011, 19, 534-545.	1.6	29
27	Structural Characterization of the Cysteine-rich Domain of TFIIF p44 Subunit. <i>Journal of Biological Chemistry</i> , 2000, 275, 31963-31971.	1.6	28
28	Solution Structure of the C-terminal Domain of TFIIF P44 Subunit Reveals a Novel Type of C4C4 Ring Domain Involved in Protein-Protein Interactions. <i>Journal of Biological Chemistry</i> , 2005, 280, 20785-20792.	1.6	28
29	Crucial role of the Rcl1p-Bms1p interaction for yeast pre-ribosomal RNA processing. <i>Nucleic Acids Research</i> , 2014, 42, 10161-10172.	6.5	26
30	Mutations in the amino-terminal domain of the human poly(ADP-ribose) polymerase that affect its catalytic activity but not its DNA binding capacity. <i>FEBS Letters</i> , 1996, 399, 313-316.	1.3	25
31	The Npa1p complex chaperones the assembly of the earliest eukaryotic large ribosomal subunit precursor. <i>PLoS Genetics</i> , 2018, 14, e1007597.	1.5	23
32	De novo variants in POLR3B cause ataxia, spasticity, and demyelinating neuropathy. <i>American Journal of Human Genetics</i> , 2021, 108, 186-193.	2.6	19
33	Hexameric architecture of CstF supported by CstF-50 homodimerization domain structure. <i>Rna</i> , 2011, 17, 412-418.	1.6	17
34	Structural insights into the 3'-end mRNA maturation machinery: Snapshot on polyadenylation signal recognition. <i>Biochimie</i> , 2019, 164, 105-110.	1.3	17
35	Expression of FLAG Fusion Proteins in Insect Cells: Application to the Multi-subunit Transcription/DNA Repair Factor TFIIF. <i>Protein Expression and Purification</i> , 2002, 24, 513-523.	0.6	15
36	Structural analysis of human RPC32-RPC62 complex. <i>Journal of Structural Biology</i> , 2015, 192, 313-319.	1.3	11

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37	Distinct roles of Pcf11 zinc-binding domains in pre-mRNA 3' end processing. <i>Nucleic Acids Research</i> , 2017, 45, 10115-10131.	6.5	11
38	Pwp2 mediates UTP-B assembly via two structurally independent domains. <i>Scientific Reports</i> , 2017, 7, 3169.	1.6	9
39	The hRPC62 subunit of human RNA polymerase III displays helicase activity. <i>Nucleic Acids Research</i> , 2019, 47, 10313-10326.	6.5	9
40	Domain definition and interaction mapping for the endonuclease complex hNob1/hPno1. <i>RNA Biology</i> , 2018, 15, 1174-1180.	1.5	8
41	In vitro dimerization of human RIO2 kinase. <i>RNA Biology</i> , 2019, 16, 1633-1642.	1.5	7
42	Structural basis for ATP loss by Clp1p in a G135R mutant protein. <i>Biochimie</i> , 2014, 101, 203-207.	1.3	5
43	Structural characterization of the yeast CF IA complex through a combination of mass spectrometry approaches. <i>International Journal of Mass Spectrometry</i> , 2017, 420, 57-66.	0.7	5
44	Crystal structure of SFPQ-NONO heterodimer. <i>Biochimie</i> , 2022, 198, 1-7.	1.3	5
45	Chemical shift assignments of a new folded domain from yeast Pcf11. <i>Biomolecular NMR Assignments</i> , 2015, 9, 421-425.	0.4	4
46	Sqt1p is an eight-bladed WD40 protein. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2016, 72, 59-64.	0.4	2
47	Mutations of POLR3A Encoding a Catalytic Subunit of RNA Polymerase Pol III Cause a Recessive Hypomyelinating Leukodystrophy p415. <i>American Journal of Human Genetics</i> , 2012, 91, 972.	2.6	1
48	Structural and interaction analysis of the Rrp5 C-terminal region. <i>FEBS Open Bio</i> , 2018, 8, 1605-1614.	1.0	1