

Sebastian Falk

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,051
citations

566801

15
h-index

676716

22
g-index

27
all docs

27
docs citations

27
times ranked

1257
citing authors

#	ARTICLE	IF	CITATIONS
1	The exosomeâ€binding factors Rrp6 and Rrp47 form a composite surface for recruiting the Mtr4 helicase. <i>EMBO Journal</i> , 2014, 33, 2829-2846.	3.5	102
2	Molecular Basis for the Unique Role of the AAA+ Chaperone ClpV in Type VI Protein Secretion. <i>Journal of Biological Chemistry</i> , 2011, 286, 30010-30021.	1.6	95
3	The conformational plasticity of eukaryotic <scp>RNA</scp>â€dependent <scp>ATP</scp>ases. <i>FEBS Journal</i> , 2015, 282, 850-863.	2.2	94
4	Structure of the nuclear exosome captured on a maturing preribosome. <i>Science</i> , 2018, 360, 219-222.	6.0	92
5	The C Terminus of the Alb3 Membrane Insertase Recruits cpSRP43 to the Thylakoid Membrane. <i>Journal of Biological Chemistry</i> , 2010, 285, 5954-5962.	1.6	80
6	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
7	Reconstitution of the complete pathway of ITS2 processing at the pre-ribosome. <i>Nature Communications</i> , 2017, 8, 1787.	5.8	66
8	Consistent mutational paths predict eukaryotic thermostability. <i>BMC Evolutionary Biology</i> , 2013, 13, 7.	3.2	60
9	The RNA helicase FRH is an ATP-dependent regulator of CK1a in the circadian clock of <i>Neurospora crassa</i> . <i>Nature Communications</i> , 2014, 5, 3598.	5.8	53
10	cpSRP43 Is a Novel Chaperone Specific for Light-harvesting Chlorophyll a,b-binding Proteins. <i>Journal of Biological Chemistry</i> , 2010, 285, 21655-21661.	1.6	51
11	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
12	Distinct and evolutionary conserved structural features of the human nuclear exosome complex. <i>ELife</i> , 2018, 7, .	2.8	47
13	Structural insights into the interaction of the nuclear exosome helicase Mtr4 with the preribosomal protein Nop53. <i>Rna</i> , 2017, 23, 1780-1787.	1.6	42
14	The MTR4 helicase recruits nuclear adaptors of the human RNA exosome using distinct arch-interacting motifs. <i>Nature Communications</i> , 2019, 10, 3393.	5.8	41
15	Structure of the RBM7â€ZCCHC8 core of the NEXT complex reveals connections to splicing factors. <i>Nature Communications</i> , 2016, 7, 13573.	5.8	38
16	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
17	Structural basis of PETISCO complex assembly during piRNA biogenesis in <i>C. elegans</i> . <i>Genes and Development</i> , 2021, 35, 1304-1323.	2.7	14
18	A modified TurboID approach identifies tissue-specific centriolar components in <i>C. elegans</i> . <i>PLoS Genetics</i> , 2022, 18, e1010150.	1.5	13

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19	The C Terminus of Alb3 Interacts with the Chromodomains 2 and 3 of cpSRP43. <i>Journal of Biological Chemistry</i> , 2010, 285, 1e25-1e26.	1.6	12
20	A ribonuclease III involved in virulence of Mucorales fungi has evolved to cut exclusively single-stranded RNA. <i>Nucleic Acids Research</i> , 2021, 49, 5294-5307.	6.5	6
21	Release of CHK-2 from PPM-1.D anchorage schedules meiotic entry. <i>Science Advances</i> , 2022, 8, eabl8861.	4.7	5
22	Purification and Reconstitution of the <i>S. cerevisiae</i> TRAMP and Ski Complexes for Biochemical and Structural Studies. <i>Methods in Molecular Biology</i> , 2020, 2062, 491-513.	0.4	1
23	Das RNA-Exosom – eine molekulare Maschine für den RNA-Abbau. <i>BioSpektrum</i> , 2018, 24, 134-137.	0.0	0