

Aaron A Hoskins

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

39
papers

961
citations

15
h-index

31
g-index

58
ext. papers

1,163
ext. citations

10.2
avg, IF

4.44
L-index

#	Paper	IF	Citations
39	RNA processing: Fungal spliceosomes break the mold. <i>Current Biology</i> , 2021 , 31, R1482-R1484	6.3	0
38	When cells are down on their LUC7L2, alternative splicing rewires metabolism for OXPHOS. <i>Molecular Cell</i> , 2021 , 81, 1859-1860	17.6	
37	Stuck on UUUU: New splicing inhibitors enhance U2AF2-RNA binding. <i>Cell Chemical Biology</i> , 2021 , 28, 1106-1108	8.2	0
36	Impact of cancer-associated mutations in Hsh155/SF3b1 HEAT repeats 9-12 on pre-mRNA splicing in <i>Saccharomyces cerevisiae</i> . <i>PLoS ONE</i> , 2020 , 15, e0229315	3.7	3
35	Impact of cancer-associated mutations in Hsh155/SF3b1 HEAT repeats 9-12 on pre-mRNA splicing in <i>Saccharomyces cerevisiae</i> 2020 , 15, e0229315		
34	Impact of cancer-associated mutations in Hsh155/SF3b1 HEAT repeats 9-12 on pre-mRNA splicing in <i>Saccharomyces cerevisiae</i> 2020 , 15, e0229315		
33	Impact of cancer-associated mutations in Hsh155/SF3b1 HEAT repeats 9-12 on pre-mRNA splicing in <i>Saccharomyces cerevisiae</i> 2020 , 15, e0229315		
32	Impact of cancer-associated mutations in Hsh155/SF3b1 HEAT repeats 9-12 on pre-mRNA splicing in <i>Saccharomyces cerevisiae</i> 2020 , 15, e0229315		
31	Dynamics of the DEAD-box ATPase Prp5 RecA-like domains provide a conformational switch during spliceosome assembly. <i>Nucleic Acids Research</i> , 2019 , 47, 10842-10851	20.1	7
30	Impact of Mutations in the DEXD-motif of the Yeast RNA-dependent ATPase Sub2. <i>FASEB Journal</i> , 2019 , 33, 459.8	0.9	
29	Structural and functional modularity of the U2 snRNP in pre-mRNA splicing. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2019 , 54, 443-465	8.7	15
28	Analysis of spliceosome dynamics by maximum likelihood fitting of dwell time distributions. <i>Methods</i> , 2019 , 153, 13-21	4.6	5
27	Chemical Inhibition of Pre-mRNA Splicing in Living <i>Saccharomyces cerevisiae</i> . <i>Cell Chemical Biology</i> , 2019 , 26, 443-448.e3	8.2	4
26	Stress-induced Pseudouridylation Alters the Structural Equilibrium of Yeast U2 snRNA Stem II. <i>Journal of Molecular Biology</i> , 2018 , 430, 524-536	6.5	13
25	Functional analysis of Hsh155/SF3b1 interactions with the U2 snRNA/branch site duplex. <i>Rna</i> , 2018 , 24, 1028-1040	5.8	12
24	SF3b1 mutations associated with myelodysplastic syndromes alter the fidelity of branchsite selection in yeast. <i>Nucleic Acids Research</i> , 2017 , 45, 4837-4852	20.1	47
23	Methodologies for studying the spliceosome's RNA dynamics with single-molecule FRET. <i>Methods</i> , 2017 , 125, 45-54	4.6	10

22	Debranchase-resistant labeling of RNA using the 10DM24 deoxyribozyme and fluorescent modified nucleotides. <i>Chemical Communications</i> , 2017 , 53, 11992-11995	5.8	10
21	Dynamics and consequences of spliceosome E complex formation. <i>ELife</i> , 2017 , 6,	8.9	10
20	Usb1 controls U6 snRNP assembly through evolutionarily divergent cyclic phosphodiesterase activities. <i>Nature Communications</i> , 2017 , 8, 497	17.4	16
19	Ribonucleoprotein purification and characterization using RNA Mango. <i>Rna</i> , 2017 , 23, 1592-1599	5.8	15
18	Lights, camera, action! Capturing the spliceosome and pre-mRNA splicing with single-molecule fluorescence microscopy. <i>Wiley Interdisciplinary Reviews RNA</i> , 2016 , 7, 683-701	9.3	7
17	Structural Analysis of Multi-Helical RNAs by NMR-SAXS/WAXS: Application to the U4/U6 di-snRNA. <i>Journal of Molecular Biology</i> , 2016 , 428, 777-789	6.5	33
16	Conformational dynamics of stem II of the U2 snRNA. <i>Rna</i> , 2016 , 22, 225-36	5.8	19
15	Single molecule analysis reveals reversible and irreversible steps during spliceosome activation. <i>ELife</i> , 2016 , 5,	8.9	29
14	A multi-step model for facilitated unwinding of the yeast U4/U6 RNA duplex. <i>Nucleic Acids Research</i> , 2016 , 44, 10912-10928	20.1	8
13	Rapid isolation and single-molecule analysis of ribonucleoproteins from cell lysate by SNAP-SiMPull. <i>Rna</i> , 2015 , 21, 1031-41	5.8	10
12	Strategies from UW-Madison for rescuing biomedical research in the US. <i>ELife</i> , 2015 , 4, e09305	8.9	23
11	Towards Optimization of a General RNA Labeling Deoxyribozyme: Characterization of a Unimolecular Deoxyribozyme. <i>FASEB Journal</i> , 2015 , 29, 573.10	0.9	
10	Design and construction of a multiwavelength, micromirror total internal reflectance fluorescence microscope. <i>Nature Protocols</i> , 2014 , 9, 2317-28	18.8	35
9	Visualizing cellular machines with colocalization single molecule microscopy. <i>Chemical Society Reviews</i> , 2014 , 43, 1189-200	58.5	21
8	The covalent trimethoprim chemical tag facilitates single molecule imaging with organic fluorophores. <i>Biophysical Journal</i> , 2014 , 106, 272-8	2.9	10
7	Single molecule approaches for studying spliceosome assembly and catalysis. <i>Methods in Molecular Biology</i> , 2014 , 1126, 217-41	1.4	9
6	Alternative spliceosome assembly pathways revealed by single-molecule fluorescence microscopy. <i>Cell Reports</i> , 2013 , 5, 151-65	10.6	52
5	Single-molecule colocalization FRET evidence that spliceosome activation precedes stable approach of 5Ysplice site and branch site. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 6783-8	11.5	46

4	The spliceosome: a flexible, reversible macromolecular machine. <i>Trends in Biochemical Sciences</i> , 2012 , 37, 179-88	10.3	180
3	Ordered and dynamic assembly of single spliceosomes. <i>Science</i> , 2011 , 331, 1289-95	33.3	216
2	New insights into the spliceosome by single molecule fluorescence microscopy. <i>Current Opinion in Chemical Biology</i> , 2011 , 15, 864-70	9.7	24
1	Visualizing the splicing of single pre-mRNA molecules in whole cell extract. <i>Rna</i> , 2008 , 14, 170-9	5.8	72