

Jacob T Polaski

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

699
citations

933447

10
h-index

1058476

14
g-index

17
all docs

17
docs citations

17
times ranked

868
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthetic introns enable splicing factor mutation-dependent targeting of cancer cells. <i>Nature Biotechnology</i> , 2022, 40, 1103-1113.	17.5	24
2	The origins and consequences of UPF1 variants in pancreatic adenocarcinoma. <i>ELife</i> , 2021, 10, .	6.0	8
3	Minor intron retention drives clonal hematopoietic disorders and diverse cancer predisposition. <i>Nature Genetics</i> , 2021, 53, 707-718.	21.4	61
4	RNA isoform screens uncover the essentiality and tumor-suppressor activity of ultraconserved poison exons. <i>Nature Genetics</i> , 2020, 52, 84-94.	21.4	70
5	Rare and private spliceosomal gene mutations drive partial, complete, and dual phenocopies of hotspot alterations. <i>Blood</i> , 2020, 135, 1032-1043.	1.4	11
6	<i>ZRSR2</i> Mutation Induced Minor Intron Retention Drives MDS and Diverse Cancer Predisposition Via Aberrant Splicing of <i>LZTR1</i> . <i>Blood</i> , 2020, 136, 10-11.	1.4	1
7	A functional genetic screen reveals sequence preferences within a key tertiary interaction in cobalamin riboswitches required for ligand selectivity. <i>Nucleic Acids Research</i> , 2018, 46, 9094-9105.	14.5	11
8	A multicolor riboswitch-based platform for imaging of RNA in live mammalian cells. <i>Nature Chemical Biology</i> , 2018, 14, 964-971.	8.0	114
9	Recurrent RNA motifs as scaffolds for genetically encodable small-molecule biosensors. <i>Nature Chemical Biology</i> , 2017, 13, 295-301.	8.0	104
10	Cobalamin riboswitches exhibit a broad range of ability to discriminate between methylcobalamin and adenosylcobalamin. <i>Journal of Biological Chemistry</i> , 2017, 292, 11650-11658.	3.4	38
11	Mechanistic Insights into Cofactor-Dependent Coupling of RNA Folding and mRNA Transcription/Translation by a Cobalamin Riboswitch. <i>Cell Reports</i> , 2016, 15, 1100-1110.	6.4	36
12	A Highly Coupled Network of Tertiary Interactions in the SAM-I Riboswitch and Their Role in Regulatory Tuning. <i>Journal of Molecular Biology</i> , 2015, 427, 3473-3490.	4.2	10
13	Single-Molecule Conformational Dynamics of a Biologically Functional Hydroxocobalamin Riboswitch. <i>Journal of the American Chemical Society</i> , 2014, 136, 16832-16843.	13.7	40
14	B12 cofactors directly stabilize an mRNA regulatory switch. <i>Nature</i> , 2012, 492, 133-137.	27.8	171