

# Kristen W Lynch

## List of Publications by Year in descending order

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59  
papers

6,162  
citations

117625

34  
h-index

133252

59  
g-index

64  
all docs

64  
docs citations

64  
times ranked

9496  
citing authors

#	ARTICLE	IF	CITATIONS
1	A compendium of RNA-binding motifs for decoding gene regulation. <i>Nature</i> , 2013, 499, 172-177.	27.8	1,281
2	Convergence of Acquired Mutations and Alternative Splicing of <i>CD19</i> Enables Resistance to CART-19 Immunotherapy. <i>Cancer Discovery</i> , 2015, 5, 1282-1295.	9.4	997
3	A new view of transcriptome complexity and regulation through the lens of local splicing variations. <i>ELife</i> , 2016, 5, e11752.	6.0	385
4	An optogenetic gene expression system with rapid activation and deactivation kinetics. <i>Nature Chemical Biology</i> , 2014, 10, 196-202.	8.0	317
5	Consequences of regulated pre-mRNA splicing in the immune system. <i>Nature Reviews Immunology</i> , 2004, 4, 931-940.	22.7	228
6	Control of alternative splicing in immune responses: many regulators, many predictions, much still to learn. <i>Immunological Reviews</i> , 2013, 253, 216-236.	6.0	158
7	Global analysis of alternative splicing during T-cell activation. <i>Rna</i> , 2007, 13, 563-572.	3.5	147
8	Regulation of Alternative Splicing: More than Just the ABCs. <i>Journal of Biological Chemistry</i> , 2008, 283, 1217-1221.	3.4	129
9	A Model System for Activation-Induced Alternative Splicing of <i>CD45</i> Pre-mRNA in T Cells Implicates Protein Kinase C and Ras. <i>Molecular and Cellular Biology</i> , 2000, 20, 70-80.	2.3	125
10	HnRNP L represses exon splicing via a regulated exonic splicing silencer. <i>EMBO Journal</i> , 2005, 24, 2792-2802.	7.8	125
11	Pharmacological activation of STING blocks SARS-CoV-2 infection. <i>Science Immunology</i> , 2021, 6, .	11.9	123
12	Phosphorylation-Dependent Regulation of PSF by $\text{GSK3}$ Controls <i>CD45</i> Alternative Splicing. <i>Molecular Cell</i> , 2010, 40, 126-137.	9.7	105
13	Stem-Loop Recognition by <i>DDX17</i> Facilitates miRNA Processing and Antiviral Defense. <i>Cell</i> , 2014, 158, 764-777.	28.9	103
14	A <i>CD45</i> Polymorphism Associated with Multiple Sclerosis Disrupts an Exonic Splicing Silencer. <i>Journal of Biological Chemistry</i> , 2001, 276, 24341-24347.	3.4	101
15	Alternative splicing networks regulated by signaling in human T cells. <i>Rna</i> , 2012, 18, 1029-1040.	3.5	90
16	A cell-based screen for splicing regulators identifies hnRNP LL as a distinct signal-induced repressor of <i>CD45</i> variable exon 4. <i>Rna</i> , 2008, 14, 2038-2049.	3.5	87
17	Context-Dependent Regulatory Mechanism of the Splicing Factor hnRNP L. <i>Molecular Cell</i> , 2010, 37, 223-234.	9.7	84
18	Cellular RNA Binding Proteins NS1-BP and hnRNP K Regulate Influenza A Virus RNA Splicing. <i>PLoS Pathogens</i> , 2013, 9, e1003460.	4.7	78

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19	Influenza virus mRNA trafficking through host nuclear speckles. <i>Nature Microbiology</i> , 2016, 1, 16069.	13.3	78
20	A Conserved Signal-Responsive Sequence Mediates Activation-Induced Alternative Splicing of CD45. <i>Molecular Cell</i> , 2003, 12, 1317-1324.	9.7	75
21	DEGRADE, MOVE, REGROUP: signaling control of splicing proteins. <i>Trends in Biochemical Sciences</i> , 2011, 36, 397-404.	7.5	72
22	<scp>PSF</scp>: nuclear busy body or nuclear facilitator?. <i>Wiley Interdisciplinary Reviews RNA</i> , 2015, 6, 351-367.	6.4	69
23	Regulation of Alternative Splicing by Signal Transduction Pathways. <i>Advances in Experimental Medicine and Biology</i> , 2007, 623, 161-174.	1.6	69
24	Combinatorial Control of Signal-Induced Exon Repression by hnRNP L and PSF. <i>Molecular and Cellular Biology</i> , 2007, 27, 6972-6984.	2.3	65
25	hnRNP U Enhances Caspase-9 Splicing and Is Modulated by AKT-dependent Phosphorylation of hnRNP L. <i>Journal of Biological Chemistry</i> , 2013, 288, 8575-8584.	3.4	65
26	Widespread JNK-dependent alternative splicing induces a positive feedback loop through CELF2-mediated regulation of MKK7 during T-cell activation. <i>Genes and Development</i> , 2015, 29, 2054-2066.	5.9	65
27	Alternative splicing and cancer: insights, opportunities, and challenges from an expanding view of the transcriptome. <i>Genes and Development</i> , 2020, 34, 1005-1016.	5.9	61
28	Co-regulatory activity of hnRNP K and NS1-BP in influenza and human mRNA splicing. <i>Nature Communications</i> , 2018, 9, 2407.	12.8	60
29	Transcriptome-Wide RNA Interaction Profiling Reveals Physical and Functional Targets of hnRNP L in Human T Cells. <i>Molecular and Cellular Biology</i> , 2014, 34, 71-83.	2.3	58
30	Differential Expression of CD45 Isoforms Is Controlled by the Combined Activity of Basal and Inducible Splicing-regulatory Elements in Each of the Variable Exons*. <i>Journal of Biological Chemistry</i> , 2005, 280, 38297-38304.	3.4	55
31	Phosphoproteomics reveals that glycogen synthase kinase-3 phosphorylates multiple splicing factors and is associated with alternative splicing. <i>Journal of Biological Chemistry</i> , 2017, 292, 18240-18255.	3.4	52
32	Induced transcription and stability of CELF2 mRNA drives widespread alternative splicing during T-cell signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E2139-48.	7.1	51
33	Signal- and Development-Dependent Alternative Splicing of LEF1 in T Cells Is Controlled by CELF2. <i>Molecular and Cellular Biology</i> , 2011, 31, 2184-2195.	2.3	48
34	Viral-induced alternative splicing of host genes promotes influenza replication. <i>ELife</i> , 2020, 9, .	6.0	46
35	Position-dependent activity of CELF2 in the regulation of splicing and implications for signal-responsive regulation in T cells. <i>RNA Biology</i> , 2016, 13, 569-581.	3.1	45
36	Ancient antagonism between CELF and RBFOX families tunes mRNA splicing outcomes. <i>Genome Research</i> , 2017, 27, 1360-1370.	5.5	42

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37	Paralogs hnRNP L and hnRNP LL Exhibit Overlapping but Distinct RNA Binding Constraints. PLoS ONE, 2013, 8, e80701.	2.5	36
38	RNA Binding Protein CELF2 Regulates Signal-Induced Alternative Polyadenylation by Competing with Enhancers of the Polyadenylation Machinery. Cell Reports, 2019, 28, 2795-2806.e3.	6.4	31
39	Modulation of CD22 Protein Expression in Childhood Leukemia by Pervasive Splicing Aberrations: Implications for CD22-Directed Immunotherapies. Blood Cancer Discovery, 2022, 3, 103-115.	5.0	31
40	A Disease-associated Polymorphism Alters Splicing of the Human CD45 Phosphatase Gene by Disrupting Combinatorial Repression by Heterogeneous Nuclear Ribonucleoproteins (hnRNPs). Journal of Biological Chemistry, 2011, 286, 20043-20053.	3.4	28
41	Global analysis of physical and functional RNA targets of hnRNP L reveals distinct sequence and epigenetic features of repressed and enhanced exons. Rna, 2015, 21, 2053-2066.	3.5	28
42	HnRNP L represses cryptic exons. Rna, 2018, 24, 761-768.	3.5	28
43	Alternative splicing redefines landscape of commonly mutated genes in acute myeloid leukemia. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	24
44	Deep profiling and custom databases improve detection of proteoforms generated by alternative splicing. Genome Research, 2019, 29, 2046-2055.	5.5	23
45	Structural-functional interactions of NS1-BP protein with the splicing and mRNA export machineries for viral and host gene expression. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E12218-E12227.	7.1	21
46	Meta-analysis of transcriptomic variation in T-cell populations reveals both variable and consistent signatures of gene expression and splicing. Rna, 2020, 26, 1320-1333.	3.5	20
47	The three as: Alternative splicing, alternative polyadenylation and their impact on apoptosis in immune function. Immunological Reviews, 2021, 304, 30-50.	6.0	20
48	Use of transcriptional synergy to augment sensitivity of a splicing reporter assay. Rna, 2006, 12, 925-930.	3.5	18
49	PSF controls expression of histone variants and cellular viability in thymocytes. Biochemical and Biophysical Research Communications, 2011, 414, 743-749.	2.1	17
50	TRAP150 interacts with the RNA-binding domain of PSF and antagonizes splicing of numerous PSF-target genes in T cells. Nucleic Acids Research, 2015, 43, 9006-9016.	14.5	17
51	Reciprocal regulation of hnRNP C and CELF2 through translation and transcription tunes splicing activity in T cells. Nucleic Acids Research, 2020, 48, 5710-5719.	14.5	17
52	In silico to in vivo splicing analysis using splicing code models. Methods, 2014, 67, 3-12.	3.8	14
53	Alternative pre-mRNA splicing switch controls hESC pluripotency and differentiation. Genes and Development, 2018, 32, 1103-1104.	5.9	13
54	MOCCASIN: a method for correcting for known and unknown confounders in RNA splicing analysis. Nature Communications, 2021, 12, 3353.	12.8	12

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55	Thoughts on NGS, alternative splicing and what we still need to know. <i>Rna</i> , 2015, 21, 683-684.	3.5	7
56	Functional and Mechanistic Interplay of Host and Viral Alternative Splicing Regulation during Influenza Infection. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2019, 84, 123-131.	1.1	6
57	PRMT5 Promotes Symmetric Dimethylation of RNA Processing Proteins and Modulates Activated T Cell Alternative Splicing and Ca <sup>2+</sup> /NFAT Signaling. <i>ImmunoHorizons</i> , 2021, 5, 884-897.	1.8	5
58	Regulation of CD19 Exon 2 Inclusion in B-Lymphoid Cells By Splicing Factors and Epigenetic Marks. <i>Blood</i> , 2015, 126, 2425-2425.	1.4	3
59	Nuclear speckle integrity and function require TAO2 kinase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	2