Kathi Zarnack

List of Publications by Year
in descending order

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40 papers	3,503 citations	331670 21 h-index	302126 39 g-index
52 all docs	52 docs citations	52 times ranked	5028 citing authors

#	Article	IF	Citations
1	iCLIP reveals the function of hnRNP particles in splicing at individual nucleotide resolution. Nature Structural and Molecular Biology, 2010, 17, 909-915.	8.2	1,026
2	Proteinâ€“RNA interactions: new genomic technologies and perspectives. Nature Reviews Genetics, 2012, 13, 77-83.	16.3	482
3	Direct Competition between hnRNP C and U2AF65 Protects the Transcriptome from the Exonization of Alu Elements. Cell, 2013, 152, 453-466.	28.9	398
4	SR proteins are NXF1 adaptors that link alternative RNA processing to mRNA export. Genes and Development, 2016, 30, 553-566.	5.9	242
5	iCLIP Predicts the Dual Splicing Effects of TIA-RNA Interactions. PLoS Biology, 2010, 8, e1000530.	5.6	226
6	The RNA-binding protein HuR is essential for the B cell antibody response. Nature Immunology, 2015, 16, 415-425.	14.5	125
7	The fungal RNA-binding protein Rrm4 mediates long-distance transport of ubi1 and rho3 mRNAs. EMBO Journal, 2009, 28, 1855-1866.	7.8	90
8	Insights into the design and interpretation of iCLIP experiments. Genome Biology, 2017, 18, 7.	8.8	73
9	In vitro iCLIP-based modeling uncovers how the splicing factor U2AF2 relies on regulation by cofactors. Genome Research, 2018, 28, 699-713.	5.5	62
10	Membrane-Associated RNA-Binding Proteins Orchestrate Organelle-Coupled Translation. Trends in Cell Biology, 2019, 29, 178-188.	7.9	60
11	Splicing repression allows the gradual emergence of new Alu-exons in primate evolution. ELife, 2016, 5, .	6.0	57
12	Cellular differentiation state modulates the mRNA export activity of SR proteins. Journal of Cell Biology, 2017, 216, 1993-2009.	5.2	53
13	Deep and accurate detection of m6A RNA modifications using miCLIP2 and m6Aboost machine learning. Nucleic Acids Research, 2021, 49, e92-e92.	14.5	50
14	The RNA-Binding Protein Rrm4 is Essential for Efficient Secretion of Endochitinase Cts1. Molecular and Cellular Proteomics, 2011, 10, M111.011213.	3.8	48
15	Decoding a cancer-relevant splicing decision in the RON proto-oncogene using high-throughput mutagenesis. Nature Communications, 2018, 9, 3315.	12.8	46
16	iCLIP data analysis: A complete pipeline from sequencing reads to RBP binding sites. Methods, 2020, 178, 49-62.	3.8	45
17	The key protein of endosomal mRNP transport Rrm4 binds translational landmark sites of cargo mRNAs. EMBO Reports, 2019, 20, .	4.5	38
18	Control of a neuronal morphology program by an RNA-binding zinc finger protein, Unkempt. Genes and Development, 2015, 29, 501-512.	5.9	35

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19	SRSF3 and SRSF7 modulate 3â€²UTR length through suppression or activation of proximal polyadenylation sites and regulation of CFIm levels. Genome Biology, 2021, 22, 82.	8.8	30
20	The RNA-binding ubiquitin ligase MKRN1 functions in ribosome-associated quality control of poly(A) translation. Genome Biology, 2019, 20, 216.	8.8	29
21	An autoinhibitory intramolecular interaction proof-reads RNA recognition by the essential splicing factor U2AF2. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 7140-7149.	7.1	25
22	Polypyrimidine tract-binding proteins are essential for B cell development. ELife, 2020, 9, .	6.0	25
23	Tandem KH domains of Khd4 recognize AUACCC and are essential for regulation of morphology as well as pathogenicity inUstilago maydis. Rna, 2009, 15, 2206-2218.	3.5	24
24	Recognition of distinct RNA motifs by the clustered CCCH zinc fingers of neuronal protein Unkempt. Nature Structural and Molecular Biology, 2016, 23, 16-23.	8.2	23
25	A combined computational pipeline to detect circular RNAs in human cancer cells under hypoxic stress. Journal of Molecular Cell Biology, 2019, 11, 829-844.	3.3	21
26	Direct long-read RNA sequencing identifies a subset of questionable exitrons likely arising from reverse transcription artifacts. Genome Biology, 2021, 22, 190.	8.8	20
27	Phenotypic Plasticity of Fibroblasts during Mammary Carcinoma Development. International Journal of Molecular Sciences, 2019, 20, 4438.	4.1	19
28	Muscleblind-like 2 controls the hypoxia response of cancer cells. Rna, 2020, 26, 648-663.	3.5	19
29	Differential Binding of Mitochondrial Transcripts by MRB8170 and MRB4160 Regulates Distinct Editing Fates of Mitochondrial mRNA in Trypanosomes. MBio, 2017, 8, .	4.1	17
30	Interaction profiling of RNA-binding ubiquitin ligases reveals a link between posttranscriptional regulation and the ubiquitin system. Scientific Reports, 2017, 7, 16582.	3.3	17
31	Dynamic mRNP Remodeling in Response to Internal and External Stimuli. Biomolecules, 2020, 10, 1310.	4.0	16
32	The RNA-binding profile of the splicing factor SRSF6 in immortalized human pancreatic Î²-cells. Life Science Alliance, 2021, 4, e202000825.	2.8	14
33	Makorin 1 controls embryonic patterning by alleviating Bruno1-mediated repression of oskar translation. PLoS Genetics, 2020, 16, e1008581.	3.5	11
34	Disruption of Prostaglandin E2 Signaling in Cancer-Associated Fibroblasts Limits Mammary Carcinoma Growth but Promotes Metastasis. Cancer Research, 2022, 82, 1380-1395.	0.9	10
35	uORF-Toolsâ€”Workflow for the determination of translation-regulatory upstream open reading frames. PLoS ONE, 2019, 14, e0222459.	2.5	7
36	Exon Definition Facilitates Reliable Control of Alternative Splicing in the RON Proto-Oncogene. Biophysical Journal, 2020, 118, 2027-2041.	0.5	7

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37	Functional RNA Dynamics Are Progressively Governed by RNA Destabilization during the Adaptation to Chronic Hypoxia. International Journal of Molecular Sciences, 2022, 23, 5824.	4.1	3
38	High-Throughput Screens for cis-Acting RNA Sequence Elements That Promote Nuclear Retention. Biochemistry, 2018, 57, 3542-3543.	2.5	1
39	Bioinformatics in theory and applicationÂâ€“ highlights of the 36th German Conference on Bioinformatics. Biological Chemistry, 2021, 402, 869-870.	2.5	1
40	Proteinâ€“RNA interactions: new genomic technologies and perspectives. , 0, .		1