Ryan M Spengler

List of Publications by Year
in descending order

20 papers	1,427 citations	471477 17 h-index	752679 20 g-index
23 all docs	23 docs citations	23 times ranked	3245 citing authors

#	Article	IF	Citations
1	Structure and activity of putative intronic miRNA promoters. Rna, 2010, 16, 495-505.	3.5	313
2	Transcriptome-wide Discovery of microRNA Binding Sites in Human Brain. Neuron, 2014, 81, 294-305.	8.1	179
3	The Extracellular RNA Communication Consortium: Establishing Foundational Knowledge and Technologies for Extracellular RNA Research. Cell, 2019, 177, 231-242.	28.9	152
4	Comprehensive multi-center assessment of small RNA-seq methods for quantitative miRNA profiling. Nature Biotechnology, 2018, 36, 746-757.	17.5	134
5	Adenosine deamination in human transcripts generates novel microRNA binding sites. Human Molecular Genetics, 2009, 18, 4801-4807.	2.9	125
6	PhosphoâRNAâseq: a modified small RNAâseq method that reveals circulating mRNA and lncRNA fragments as potential biomarkers in human plasma. EMBO Journal, 2019, 38, .	7.8	72
7	Rational Design of Therapeutic siRNAs: Minimizing Off-targeting Potential to Improve the Safety of RNAi Therapy for Huntington's Disease. Molecular Therapy, 2011, 19, 2169-2177.	8.2	68
8	Functional microRNAs and target sites are created by lineage-specific transposition. Human Molecular Genetics, 2014, 23, 1783-1793.	2.9	66
9	Elucidation of transcriptome-wide microRNA binding sites in human cardiac tissues by Ago2 HITS-CLIP. Nucleic Acids Research, 2016, 44, gkw640.	14.5	50
10	siSPOTR: a tool for designing highly specific and potent siRNAs for human and mouse. Nucleic Acids Research, 2013, 41, e9-e9.	14.5	46
11	Rational Design Leads to More Potent RNA Interference Against Hepatitis B Virus: Factors Effecting Silencing Efficiency. Molecular Therapy, 2009, 17, 538-547.	8.2	37
12	Human papilloma virus circulating tumor DNA assay predicts treatment response in recurrent/metastatic head and neck squamous cell carcinoma. Oncotarget, 2021, 12, 1214-1229.	1.8	37
13	The long non-coding RNA NEAT1 is elevated in polyglutamine repeat expansion diseases and protects from disease gene-dependent toxicities. Human Molecular Genetics, 2018, 27, 4303-4314.	2.9	30
14	Artificial miRNAs Targeting Mutant Huntingtin Show Preferential Silencing In Vitro and In Vivo. Molecular Therapy - Nucleic Acids, 2015, 4, e234.	5.1	29
15	Human-specific microRNA regulation of FOXO1: implications for microRNA recognition element evolution. Human Molecular Genetics, 2014, 23, 2593-2603.	2.9	19
16	Deconvolution of seed and RNA-binding protein crosstalk in RNAi-based functional genomics. Nature Genetics, 2018, 50, 657-661.	21.4	18
17	Single nucleotide seed modification restores in vivo tolerability of a toxic artificial miRNA sequence in the mouse brain. Nucleic Acids Research, 2014, 42, 13315-13327.	14.5	17
18	Cis-acting single nucleotide polymorphisms alter MicroRNA-mediated regulation of human brain-expressed transcripts. Human Molecular Genetics, 2016, 25, ddw317.	2.9	5

#	Article	IF	Citations
19	Open Problems in Extracellular RNA Data Analysis: Insights From an ERCC Online Workshop. Frontiers in Genetics, 2021, 12, 778416.	2.3	2
20	Abstract IA23: Phospho-RNA-seq: A liquid biopsy approach for cell-free mRNA/lncRNA profiling. , 2020, , .		0