Joshua T Mendell

List of Publications by Year
in descending order

76	34,708	31976 53	74163 75
papers	citations	h-index	g-index

82	82	82	45993
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	StringTie enables improved reconstruction of a transcriptome from RNA-seq reads. Nature Biotechnology, 2015, 33, 290-295.	17.5	8,385
2	Functional Classification and Experimental Dissection of Long Noncoding RNAs. Cell, 2018, 172, 393-407.	28.9	2,657
3	c-Myc-regulated microRNAs modulate E2F1 expression. Nature, 2005, 435, 839-843.	27.8	2,618
4	Transactivation of miR-34a by p53 BroadlyÂInfluences Gene Expression andÂPromotesÂApoptosis. Molecular Cell, 2007, 26, 745-752.	9.7	1,844
5	c-Myc suppression of miR-23a/b enhances mitochondrial glutaminase expression and glutamine metabolism. Nature, 2009, 458, 762-765.	27.8	1,801
6	Therapeutic microRNA Delivery Suppresses Tumorigenesis in a Murine Liver Cancer Model. Cell, 2009, 137, 1005-1017.	28.9	1,634
7	MicroRNAs in Stress Signaling and Human Disease. Cell, 2012, 148, 1172-1187.	28.9	1,471
8	Widespread microRNA repression by Myc contributes to tumorigenesis. Nature Genetics, 2008, 40, 43-50.	21.4	1,203
9	miRiad Roles for the miR-17-92 Cluster in Development and Disease. Cell, 2008, 133, 217-222.	28.9	1,012
10	Augmentation of tumor angiogenesis by a Myc-activated microRNA cluster. Nature Genetics, 2006, 38, 1060-1065.	21.4	1,000
11	MicroRNA-126 regulates endothelial expression of vascular cell adhesion molecule 1. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 1516-1521.	7.1	925
12	Nonsense surveillance regulates expression of diverse classes of mammalian transcripts and mutes genomic noise. Nature Genetics, 2004, 36, 1073-1078.	21.4	744
13	Noncoding RNA NORAD Regulates Genomic Stability by Sequestering PUMILIO Proteins. Cell, 2016, 164, 69-80.	28.9	723
14	Essential metabolic, anti-inflammatory, and anti-tumorigenic functions of miR-122 in liver. Journal of Clinical Investigation, 2012, 122, 2871-2883.	8.2	666
15	A Hexanucleotide Element Directs MicroRNA Nuclear Import. Science, 2007, 315, 97-100.	12.6	626
16	microRNAs in Vertebrate Physiology and Human Disease. Annual Review of Genomics and Human Genetics, 2007, 8, 215-239.	6.2	400
17	P53-induced microRNA-107 inhibits HIF-1 and tumor angiogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 6334-6339.	7.1	398
18	MicroRNAs: Critical Regulators of Development, Cellular Physiology and Malignancy. Cell Cycle, 2005, 4, 1179-1184.	2.6	388

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19	miR-21: An Androgen Receptorâ€“Regulated MicroRNA that Promotes Hormone-Dependent and Hormone-Independent Prostate Cancer Growth. Cancer Research, 2009, 69, 7165-7169.	0.9	377
20	Lin-28B transactivation is necessary for Myc-mediated let-7 repression and proliferation. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 3384-3389.	7.1	355
21	MicroRNA miR-155 is a biomarker of early pancreatic neoplasia. Cancer Biology and Therapy, 2009, 8, 340-346.	3.4	288
22	Restitution of Tumor Suppressor MicroRNAs Using a Systemic Nanovector Inhibits Pancreatic Cancer Growth in Mice. Molecular Cancer Therapeutics, 2011, 10, 1470-1480.	4.1	279
23	When the Message Goes Awry. Cell, 2001, 107, 411-414.	28.9	274
24	Repression of the miR-143/145 cluster by oncogenic Ras initiates a tumor-promoting feed-forward pathway. Genes and Development, 2010, 24, 2754-2759.	5.9	273
25	Separable Roles for rent1/hUpf1 in Altered Splicing and Decay of Nonsense Transcripts. Science, 2002, 298, 419-422.	12.6	246
26	An Argonaute phosphorylation cycle promotes microRNA-mediated silencing. Nature, 2017, 542, 197-202.	27.8	232
27	Epigenetic Silencing of MicroRNA miR-107 Regulates Cyclin-Dependent Kinase 6 Expression in Pancreatic Cancer. Pancreatology, 2009, 9, 293-301.	1.1	197
28	Somatic mutations in DROSHA and DICER1 impair microRNA biogenesis through distinct mechanisms in Wilms tumours. Nature Communications, 2014, 5, 4802.	12.8	192
29	Regulated expression of microRNAs in normal and polycythemia vera erythropoiesis. Experimental Hematology, 2007, 35, 1657-1667.	0.4	191
30	An Essential Mesenchymal Function for miR-143/145 in Intestinal Epithelial Regeneration. Cell, 2014, 157, 1104-1116.	28.9	188
31	Novel Upf2p Orthologues Suggest a Functional Link between Translation Initiation and Nonsense Surveillance Complexes. Molecular and Cellular Biology, 2000, 20, 8944-8957.	2.3	147
32	A ubiquitin ligase mediates target-directed microRNA decay independently of tailing and trimming. Science, 2020, 370, .	12.6	135
33	Targeting a Long Noncoding RNA in Breast Cancer. New England Journal of Medicine, 2016, 374, 2287-2289.	27.0	131
34	Myc: Maestro of MicroRNAs. Genes and Cancer, 2010, 1, 568-575.	1.9	123
35	NORAD-induced Pumilio phase separation is required for genome stability. Nature, 2021, 595, 303-308.	27.8	123
36	Cellâ€“cell contact globally activates microRNA biogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7016-7021.	7.1	122

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37	Identification of miRâ€21 targets in breast cancer cells using a quantitative proteomic approach. Proteomics, 2009, 9, 1374-1384.	2.2	113
38	A resource for analysis of microRNA expression and function in pancreatic ductal adenocarcinoma cells. Cancer Biology and Therapy, 2009, 8, 2013-2024.	3.4	108
39	Circular reasoning: microRNAs and cell-cycle control. Trends in Biochemical Sciences, 2008, 33, 474-481.	7.5	102
40	Antisense-Mediated Transcript Knockdown Triggers Premature Transcription Termination. Molecular Cell, 2020, 77, 1044-1054.e3.	9.7	100
41	Loss of CHD1 Promotes Heterogeneous Mechanisms of Resistance to AR-Targeted Therapy via Chromatin Dysregulation. Cancer Cell, 2020, 37, 584-598.e11.	16.8	96
42	Genome-wide annotation of microRNA primary transcript structures reveals novel regulatory mechanisms. Genome Research, 2015, 25, 1401-1409.	5.5	91
43	Role of pri-miRNA tertiary structure in miR-17~92 miRNA biogenesis. RNA Biology, 2011, 8, 1105-1114.	3.1	85
44	Last step in the path of LDL cholesterol from lysosome to plasma membrane to ER is governed by phosphatidylserine. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 18521-18529.	7.1	84
45	Analysis of regulatory network topology reveals functionally distinct classes of microRNAs. Nucleic Acids Research, 2008, 36, 6494-6503.	14.5	81
46	A novel source for miR-21 expression through the alternative polyadenylation of VMP1 gene transcripts. Nucleic Acids Research, 2012, 40, 6821-6833.	14.5	79
47	eIF5B drives integrated stress response-dependent translation of PD-L1 in lung cancer. Nature Cancer, 2020, 1, 533-545.	13.2	73
48	PUMILIO hyperactivity drives premature aging of Norad-deficient mice. ELife, 2019, 8, .	6.0	65
49	Transcriptional Regulation of miR-31 by Oncogenic KRAS Mediates Metastatic Phenotypes by Repressing RASA1. Molecular Cancer Research, 2016, 14, 267-277.	3.4	61
50	KIT signaling regulates MITF expression through miRNAs in normal and malignant mast cell proliferation. Blood, 2011, 117, 3629-3640.	1.4	60
51	Tumor suppression by miR-26 overrides potential oncogenic activity in intestinal tumorigenesis. Genes and Development, 2014, 28, 2585-2590.	5.9	59
52	Identifying targets of miR-143 using a SILAC-based proteomic approach. Molecular BioSystems, 2010, 6, 1873.	2.9	58
53	PUMILIO, but not RBMX, binding is required for regulation of genomic stability by noncoding RNA NORAD. ELife, 2019, 8, .	6.0	55
54	c-Myb oncoprotein is an essential target of the dleu2 tumor suppressor microRNA cluster. Cancer Biology and Therapy, 2008, 7, 1758-1764.	3.4	54

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55	Functional integration of microRNAs into oncogenic and tumor suppressor pathways. Cell Cycle, 2008, 7, 2493-2499.	2.6	53
56	Precise let-7 expression levels balance organ regeneration against tumor suppression. ELife, 2015, 4, e09431.	6.0	53
57	miR-26 suppresses adipocyte progenitor differentiation and fat production by targeting Fbxl19. Genes and Development, 2019, 33, 1367-1380.	5.9	50
58	Suppression of Ribosomal Pausing by eIF5A Is Necessary to Maintain the Fidelity of Start Codon Selection. Cell Reports, 2019, 29, 3134-3146.e6.	6.4	44
59	Noncoding RNAs and Cancer. Cell, 2013, 153, 9-10.	28.9	40
60	Mutations in microRNA processing genes in Wilms tumors derepress the IGF2 regulator PLAG1. Genes and Development, 2018, 32, 996-1007.	5.9	40
61	Abate and Switch: miR-145 in Stem Cell Differentiation. Cell, 2009, 137, 606-608.	28.9	38
62	Systemic Delivery of scAAV8-Encoded MiR-29a Ameliorates Hepatic Fibrosis in Carbon Tetrachloride-Treated Mice. PLoS ONE, 2015, 10, e0124411.	2.5	37
63	Ribosome Recycling by ABCE1 Links Lysosomal Function and Iron Homeostasis to 3Ê¹ UTR-Directed Regulation and Nonsense-Mediated Decay. Cell Reports, 2020, 32, 107895.	6.4	36
64	Loss of Dis3l2 partially phenocopies Perlman syndrome in mice and results in up-regulation of Igf2 in nephron progenitor cells. Genes and Development, 2018, 32, 903-908.	5.9	34
65	Quantification of Global MicroRNA Abundance by Selective Isotachophoresis. Analytical Chemistry, 2010, 82, 9631-9635.	6.5	31
66	MIR205HG Is a Long Noncoding RNA that Regulates Growth Hormone and Prolactin Production in the Anterior Pituitary. Developmental Cell, 2019, 49, 618-631.e5.	7.0	30
67	MicroRNA turnover: a tale of tailing, trimming, and targets. Trends in Biochemical Sciences, 2023, 48, 26-39.	7.5	28
68	Safety and Efficacy of AAV Retrograde Pancreatic Ductal Gene Delivery in Normal and Pancreatic Cancer Mice. Molecular Therapy - Methods and Clinical Development, 2018, 8, 8-20.	4.1	23
69	Identification of miR-145 targets through an integrated omics analysis. Molecular BioSystems, 2015, 11, 197-207.	2.9	21
70	Noncoding RNAs: biology and applicationsâ€"a Keystone Symposia report. Annals of the New York Academy of Sciences, 2021, 1506, 118-141.	3.8	13
71	RBM33 directs the nuclear export of transcripts containing GC-rich elements. Genes and Development, 2022, 36, 550-565.	5.9	12
72	Tumors line up for a letdown. Nature Genetics, 2009, 41, 768-769.	21.4	11

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73	High-Throughput Characterization of Primary microRNA Transcripts. Methods in Molecular Biology, 2018, 1823, 1-9.	0.9	3
74	Seeing through themiRage of tissue complexity. Cell Cycle, 2014, 13, 2988-2989.	2.6	0
75	Dysregulated Expression of miRNAs in Polycythemia Vera Erythroid Progenitors.. Blood, 2006, 108, 3613-3613.	1.4	0
76	Abstract P5-17-09: A genome-wide CRISPR screen identifies PRMT5 as a novel therapeutic target in ER+/RB1-deficient breast cancer. Cancer Research, 2022, 82, P5-17-09-P5-17-09.	0.9	0