Thomas Birkballe Hansen

List of Publications by Year in Descending Order

45 papers	10,109 citations	25 h-index	52 g-index
52 ext. papers	13,018 ext. citations	10.8 avg, IF	6.66 L-index

#	Paper	IF	Citations
45	The RNA Atlas expands the catalog of human non-coding RNAs. *Nature Biotechnology*, **2021**, 39, 1453-1465	44.5	15
44	The RNA-binding protein SFPQ preserves long-intron splicing and regulates circRNA biogenesis in mammals. *ELife*, **2021**, 10,	8.9	11
43	The GAUGAA Motif Is Responsible for the Binding between circSMARCA5 and SRSF1 and Related Downstream Effects on Glioblastoma Multiforme Cell Migration and Angiogenic Potential. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	21
42	Profiling of Plasma Extracellular Vesicle Transcriptome Reveals That circRNAs Are Prevalent and Differ between Multiple Sclerosis Patients and Healthy Controls.. *Biomedicines*, **2021**, 9,	4.8	1
41	nucleates a transcription inhibitory complex to balance neuronal differentiation. *ELife*, **2020**, 9,	8.9	12
40	RNA-Seq profiling of leukocytes reveals a sex-dependent global circular RNA upregulation in multiple sclerosis and 6 candidate biomarkers. *Human Molecular Genetics*, **2020**, 29, 3361-3372	5.6	5
39	Biosynthesis of Circular RNA ciRS-7/CDR1as Is Mediated by Mammalian-wide Interspersed Repeats. *IScience*, **2020**, 23, 101345	6.1	19
38	Spatial expression analyses of the putative oncogene ciRS-7 in cancer reshape the microRNA sponge theory. *Nature Communications*, **2020**, 11, 4551	17.4	38
37	CircSMARCA5 Regulates VEGFA mRNA Splicing and Angiogenesis in Glioblastoma Multiforme Through the Binding of SRSF1. *Cancers*, **2019**, 11,	6.6	94
36	The biogenesis, biology and characterization of circular RNAs. *Nature Reviews Genetics*, **2019**, 20, 675-691	30.1	1343
35	Noncoding AUG circRNAs constitute an abundant and conserved subclass of circles. *Life Science Alliance*, **2019**, 2,	5.8	39
34	High-throughput RNA sequencing from paired lesional- and non-lesional skin reveals major alterations in the psoriasis circRNAome. *BMC Medical Genomics*, **2019**, 12, 174	3.7	28
33	Characterization of Circular RNA Concatemers. *Methods in Molecular Biology*, **2018**, 1724, 143-157	1.4	4
32	CircSMARCA5 Inhibits Migration of Glioblastoma Multiforme Cells by Regulating a Molecular Axis Involving Splicing Factors SRSF1/SRSF3/PTB. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	101
31	Improved circRNA Identification by Combining Prediction Algorithms. *Frontiers in Cell and Developmental Biology*, **2018**, 6, 20	5.7	90
30	Enzyme-free digital counting of endogenous circular RNA molecules in B-cell malignancies. *Laboratory Investigation*, **2018**, 98, 1657-1669	5.9	60
29	Enhanced Tailored MicroRNA Sponge Activity of RNA Pol II-Transcribed TuD Hairpins Relative to Ectopically Expressed ciRS7-Derived circRNAs. *Molecular Therapy - Nucleic Acids*, **2018**, 13, 365-375	10.7	7

28	Detecting Agotrons in Ago CLIPseq Data. *Methods in Molecular Biology*, **2018**, 1823, 221-232	1.4	4
27	Biogenesis and Function of Ago-Associated RNAs. *Trends in Genetics*, **2017**, 33, 208-219	8.5	85
26	The agotrons: Gene regulators or Argonaute protectors?. *BioEssays*, **2017**, 39, 1600239	4.1	6
25	Comparative analysis of 12 different kits for bisulfite conversion of circulating cell-free DNA. *Epigenetics*, **2017**, 12, 626-636	5.7	40
24	Insights into circular RNA biology. *RNA Biology*, **2017**, 14, 1035-1045	4.8	257
23	Circular RNA expression is abundant and correlated to aggressiveness in early-stage bladder cancer. *Npj Genomic Medicine*, **2017**, 2, 36	6.2	67
22	CircCCDC66: the colorectal oncogene. *Non-coding RNA Investigation*, **2017**, 1, 3-3	0.6	1
21	Circular RNAs: Identification, biogenesis and function. *Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms*, **2016**, 1859, 163-8	6	349
20	Argonaute-associated short introns are a novel class of gene regulators. *Nature Communications*, **2016**, 7, 11538	17.4	40
19	Comparison of circular RNA prediction tools. *Nucleic Acids Research*, **2016**, 44, e58	20.1	251
18	Spatio-temporal regulation of circular RNA expression during porcine embryonic brain development. *Genome Biology*, **2015**, 16, 245	18.3	306
17	miRdentify: high stringency miRNA predictor identifies several novel animal miRNAs. *Nucleic Acids Research*, **2014**, 42, e124	20.1	17
16	Circular RNA and miR-7 in cancer. *Cancer Research*, **2013**, 73, 5609-12	10.1	691
15	Natural RNA circles function as efficient microRNA sponges. *Nature*, **2013**, 495, 384-8	50.4	4576
14	RNA Interference Pathways and Therapeutic Exploitation. *Advances in Delivery Science and Technology*, **2013**, 1-29		
13	The miR-143/-145 cluster regulates plasminogen activator inhibitor-1 in bladder cancer. *British Journal of Cancer*, **2012**, 106, 366-74	8.7	93
12	miRNA-dependent gene silencing involving Ago2-mediated cleavage of a circular antisense RNA. *EMBO Journal*, **2011**, 30, 4414-22	13	636
11	Coordinated epigenetic repression of the miR-200 family and miR-205 in invasive bladder cancer. *International Journal of Cancer*, **2011**, 128, 1327-34	7.5	301

10	Enhancing miRNA annotation confidence in miRBase by continuous cross dataset analysis. *RNA Biology*, **2011**, 8, 378-83	4.8	29
9	A screen of chemical modifications identifies position-specific modification by UNA to most potently reduce siRNA off-target effects. *Nucleic Acids Research*, **2010**, 38, 5761-73	20.1	139
8	Re-inspection of small RNA sequence datasets reveals several novel human miRNA genes. *PLoS ONE*, **2010**, 5, e10961	3.7	7
7	A large-scale chemical modification screen identifies design rules to generate siRNAs with high activity, high stability and low toxicity. *Nucleic Acids Research*, **2009**, 37, 2867-81	20.1	273
6	Intracellular siRNA and precursor miRNA trafficking using bioresponsive copolypeptides. *Journal of Gene Medicine*, **2008**, 10, 81-93	3.5	41
5	Signal and noise in circRNA translation		1
4	Non-coding AUG circRNAs constitute an abundant and conserved subclass of circles		1
3	High-throughput RNA sequencing from paired lesional- and non-lesional skin reveals major alterations in the psoriasis circRNAome		2
2	The RNA Atlas, a single nucleotide resolution map of the human transcriptome		4
1	Best practice standards for circular RNA research. *Nature Methods*,	21.6	1