Thomas Birkballe Hansen

List of Publications by Year
in descending order

42 papers	14,930 citations	172207 29 h-index	276539 41 g-index
52 all docs	52 docs citations	52 times ranked	14328 citing authors

#	Article	IF	Citations
1	Natural RNA circles function as efficient microRNA sponges. Nature, 2013, 495, 384-388.	13.7	6,415
2	The biogenesis, biology and characterization of circular RNAs. Nature Reviews Genetics, 2019, 20, 675-691.	7.7	2,832
3	Circular RNA and miR-7 in Cancer. Cancer Research, 2013, 73, 5609-5612.	0.4	847
4	miRNA-dependent gene silencing involving Ago2-mediated cleavage of a circular antisense RNA. EMBO Journal, 2011, 30, 4414-4422.	3.5	841
5	Circular RNAs: Identification, biogenesis and function. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2016, 1859, 163-168.	0.9	469
6	Spatio-temporal regulation of circular RNA expression during porcine embryonic brain development. Genome Biology, 2015, 16, 245.	3.8	422
7	Insights into circular RNA biology. RNA Biology, 2017, 14, 1035-1045.	1.5	362
8	Comparison of circular RNA prediction tools. Nucleic Acids Research, 2016, 44, e58-e58.	6.5	349
9	Coordinated epigenetic repression of the miRâ€200 family and miRâ€205 in invasive bladder cancer. International Journal of Cancer, 2011, 128, 1327-1334.	2.3	335
10	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, 2867-2881.	6.5	315
11	A screen of chemical modifications identifies position-specific modification by UNA to most potently reduce siRNA off-target effects. Nucleic Acids Research, 2010, 38, 5761-5773.	6.5	157
12	CircSMARCA5 Regulates VEGFA mRNA Splicing and Angiogenesis in Glioblastoma Multiforme Through the Binding of SRSF1. Cancers, 2019, 11, 194.	1.7	146
13	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, 480.	1.8	140
14	Improved circRNA Identification by Combining Prediction Algorithms. Frontiers in Cell and Developmental Biology, 2018, 6, 20.	1.8	135
15	The miR-143/-145 cluster regulates plasminogen activator inhibitor-1 in bladder cancer. British Journal of Cancer, 2012, 106, 366-374.	2.9	106
16	Circular RNA expression is abundant and correlated to aggressiveness in early-stage bladder cancer. Npj Genomic Medicine, 2017, 2, 36.	1.7	105
17	Biogenesis and Function of Ago-Associated RNAs. Trends in Genetics, 2017, 33, 208-219.	2.9	104
18	Enzyme-free digital counting of endogenous circular RNA molecules in B-cell malignancies. Laboratory Investigation, 2018, 98, 1657-1669.	1.7	93

#	Article	IF	Citations
19	The RNA Atlas expands the catalog of human non-coding RNAs. Nature Biotechnology, 2021, 39, 1453-1465.	9.4	75
20	Spatial expression analyses of the putative oncogene ciRS-7 in cancer reshape the microRNA sponge theory. Nature Communications, 2020, 11, 4551.	5.8	72
21	Argonaute-associated short introns are a novel class of gene regulators. Nature Communications, 2016, 7, 11538.	5.8	59
22	Best practice standards for circular RNA research. Nature Methods, 2022, 19, 1208-1220.	9.0	58
23	Comparative analysis of 12 different kits for bisulfite conversion of circulating cell-free DNA. Epigenetics, 2017, 12, 626-636.	1.3	56
24	Noncoding AUG circRNAs constitute an abundant and conserved subclass of circles. Life Science Alliance, 2019, 2, e201900398.	1.3	56
25	The RNA-binding protein SFPQ preserves long-intron splicing and regulates circRNA biogenesis in mammals. ELife, 2021, 10, .	2.8	51
26	Intracellular siRNA and precursor miRNA trafficking using bioresponsive copolypeptides. Journal of Gene Medicine, 2008, 10, 81-93.	1.4	43
27	High-throughput RNA sequencing from paired lesional- and non-lesional skin reveals major alterations in the psoriasis circRNAome. BMC Medical Genomics, 2019, 12, 174.	0.7	43
28	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, 1678.	1.8	43
29	circZNF827 nucleates a transcription inhibitory complex to balance neuronal differentiation. ELife, 2020, 9, .	2.8	33
30	Enhancing miRNA annotation confidence in miRBase by continuous cross dataset analysis. RNA Biology, 2011, 8, 378-383.	1.5	32
31	Biosynthesis of Circular RNA ciRS-7/CDR1as Is Mediated by Mammalian-wide Interspersed Repeats. IScience, 2020, 23, 101345.	1.9	25
32	miRdentify: high stringency miRNA predictor identifies several novel animal miRNAs. Nucleic Acids Research, 2014, 42, e124-e124.	6.5	21
33	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.	1.4	21
34	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.	2.3	10
35	Re-Inspection of Small RNA Sequence Datasets Reveals Several Novel Human miRNA Genes. PLoS ONE, 2010, 5, e10961.	1.1	9
36	The agotrons: Gene regulators or Argonaute protectors?. BioEssays, 2017, 39, 1600239.	1.2	8

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37	Profiling of Plasma Extracellular Vesicle Transcriptome Reveals That circRNAs Are Prevalent and Differ between Multiple Sclerosis Patients and Healthy Controls. Biomedicines, 2021, 9, 1850.	1.4	8
38	Characterization of Circular RNA Concatemers. Methods in Molecular Biology, 2018, 1724, 143-157.	0.4	7
39	Detecting Agotrons in Ago CLIPseq Data. Methods in Molecular Biology, 2018, 1823, 221-232.	0.4	7
40	CircCCDC66: the colorectal oncogene. Non-coding RNA Investigation, 0, 1, 3-3.	0.6	1
41	The invasion of circRNAs. RNA Biology, 2017, 14, 973-974.	1.5	1
42	RNA Interference Pathways and Therapeutic Exploitation. Advances in Delivery Science and Technology, 2013, , 1-29.	0.4	0