

Thomas Birkballe Hansen

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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 | Natural RNA circles function as efficient microRNA sponges. <i>Nature</i> , 2013 , 495, 384-8 | 50.4 | 4576 |
| 44 | The biogenesis, biology and characterization of circular RNAs. <i>Nature Reviews Genetics</i> , 2019 , 20, 675-691 | 30.1 | 1343 |
| 43 | Circular RNA and miR-7 in cancer. <i>Cancer Research</i> , 2013 , 73, 5609-12 | 10.1 | 691 |
| 42 | miRNA-dependent gene silencing involving Ago2-mediated cleavage of a circular antisense RNA. <i>EMBO Journal</i> , 2011 , 30, 4414-22 | 13 | 636 |
| 41 | Circular RNAs: Identification, biogenesis and function. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2016 , 1859, 163-8 | 6 | 349 |
| 40 | Spatio-temporal regulation of circular RNA expression during porcine embryonic brain development. <i>Genome Biology</i> , 2015 , 16, 245 | 18.3 | 306 |
| 39 | Coordinated epigenetic repression of the miR-200 family and miR-205 in invasive bladder cancer. <i>International Journal of Cancer</i> , 2011 , 128, 1327-34 | 7.5 | 301 |
| 38 | A large-scale chemical modification screen identifies design rules to generate siRNAs with high activity, high stability and low toxicity. <i>Nucleic Acids Research</i> , 2009 , 37, 2867-81 | 20.1 | 273 |
| 37 | Insights into circular RNA biology. <i>RNA Biology</i> , 2017 , 14, 1035-1045 | 4.8 | 257 |
| 36 | Comparison of circular RNA prediction tools. <i>Nucleic Acids Research</i> , 2016 , 44, e58 | 20.1 | 251 |
| 35 | A screen of chemical modifications identifies position-specific modification by UNA to most potently reduce siRNA off-target effects. <i>Nucleic Acids Research</i> , 2010 , 38, 5761-73 | 20.1 | 139 |
| 34 | CircSMARCA5 Inhibits Migration of Glioblastoma Multiforme Cells by Regulating a Molecular Axis Involving Splicing Factors SRSF1/SRSF3/PTB. <i>International Journal of Molecular Sciences</i> , 2018 , 19, | 6.3 | 101 |
| 33 | CircSMARCA5 Regulates VEGFA mRNA Splicing and Angiogenesis in Glioblastoma Multiforme Through the Binding of SRSF1. <i>Cancers</i> , 2019 , 11, | 6.6 | 94 |
| 32 | The miR-143/-145 cluster regulates plasminogen activator inhibitor-1 in bladder cancer. <i>British Journal of Cancer</i> , 2012 , 106, 366-74 | 8.7 | 93 |
| 31 | Improved circRNA Identification by Combining Prediction Algorithms. <i>Frontiers in Cell and Developmental Biology</i> , 2018 , 6, 20 | 5.7 | 90 |
| 30 | Biogenesis and Function of Ago-Associated RNAs. <i>Trends in Genetics</i> , 2017 , 33, 208-219 | 8.5 | 85 |
| 29 | Circular RNA expression is abundant and correlated to aggressiveness in early-stage bladder cancer. <i>Npj Genomic Medicine</i> , 2017 , 2, 36 | 6.2 | 67 |

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| 28 | Enzyme-free digital counting of endogenous circular RNA molecules in B-cell malignancies. <i>Laboratory Investigation</i> , 2018 , 98, 1657-1669 | 5.9 | 60 |
| 27 | Intracellular siRNA and precursor miRNA trafficking using bioresponsive copolypeptides. <i>Journal of Gene Medicine</i> , 2008 , 10, 81-93 | 3.5 | 41 |
| 26 | Comparative analysis of 12 different kits for bisulfite conversion of circulating cell-free DNA. <i>Epigenetics</i> , 2017 , 12, 626-636 | 5.7 | 40 |
| 25 | Argonaute-associated short introns are a novel class of gene regulators. <i>Nature Communications</i> , 2016 , 7, 11538 | 17.4 | 40 |
| 24 | Noncoding AUG circRNAs constitute an abundant and conserved subclass of circles. <i>Life Science Alliance</i> , 2019 , 2, | 5.8 | 39 |
| 23 | Spatial expression analyses of the putative oncogene ciRS-7 in cancer reshape the microRNA sponge theory. <i>Nature Communications</i> , 2020 , 11, 4551 | 17.4 | 38 |
| 22 | Enhancing miRNA annotation confidence in miRBase by continuous cross dataset analysis. <i>RNA Biology</i> , 2011 , 8, 378-83 | 4.8 | 29 |
| 21 | High-throughput RNA sequencing from paired lesional- and non-lesional skin reveals major alterations in the psoriasis circRNAome. <i>BMC Medical Genomics</i> , 2019 , 12, 174 | 3.7 | 28 |
| 20 | The GAUGAA Motif Is Responsible for the Binding between circSMARCA5 and SRSF1 and Related Downstream Effects on Glioblastoma Multiforme Cell Migration and Angiogenic Potential. <i>International Journal of Molecular Sciences</i> , 2021 , 22, | 6.3 | 21 |
| 19 | Biosynthesis of Circular RNA ciRS-7/CDR1as Is Mediated by Mammalian-wide Interspersed Repeats. <i>iScience</i> , 2020 , 23, 101345 | 6.1 | 19 |
| 18 | miRIdentify: high stringency miRNA predictor identifies several novel animal miRNAs. <i>Nucleic Acids Research</i> , 2014 , 42, e124 | 20.1 | 17 |
| 17 | The RNA Atlas expands the catalog of human non-coding RNAs. <i>Nature Biotechnology</i> , 2021 , 39, 1453-1465 | 14.5 | 15 |
| 16 | nucleates a transcription inhibitory complex to balance neuronal differentiation. <i>ELife</i> , 2020 , 9, | 8.9 | 12 |
| 15 | The RNA-binding protein SFPQ preserves long-intron splicing and regulates circRNA biogenesis in mammals. <i>ELife</i> , 2021 , 10, | 8.9 | 11 |
| 14 | Re-inspection of small RNA sequence datasets reveals several novel human miRNA genes. <i>PLoS ONE</i> , 2010 , 5, e10961 | 3.7 | 7 |
| 13 | Enhanced Tailored MicroRNA Sponge Activity of RNA Pol II-Transcribed TuD Hairpins Relative to Ectopically Expressed ciRS7-Derived circRNAs. <i>Molecular Therapy - Nucleic Acids</i> , 2018 , 13, 365-375 | 10.7 | 7 |
| 12 | The agotrons: Gene regulators or Argonaute protectors?. <i>BioEssays</i> , 2017 , 39, 1600239 | 4.1 | 6 |
| 11 | RNA-Seq profiling of leukocytes reveals a sex-dependent global circular RNA upregulation in multiple sclerosis and 6 candidate biomarkers. <i>Human Molecular Genetics</i> , 2020 , 29, 3361-3372 | 5.6 | 5 |

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|----|--|------|---|
| 10 | Characterization of Circular RNA Concatemers. <i>Methods in Molecular Biology</i> , 2018 , 1724, 143-157 | 1.4 | 4 |
| 9 | The RNA Atlas, a single nucleotide resolution map of the human transcriptome | | 4 |
| 8 | Detecting Ago-trons in Ago CLIPseq Data. <i>Methods in Molecular Biology</i> , 2018 , 1823, 221-232 | 1.4 | 4 |
| 7 | High-throughput RNA sequencing from paired lesional- and non-lesional skin reveals major alterations in the psoriasis circRNAome | | 2 |
| 6 | CircCCDC66: the colorectal oncogene. <i>Non-coding RNA Investigation</i> , 2017 , 1, 3-3 | 0.6 | 1 |
| 5 | Signal and noise in circRNA translation | | 1 |
| 4 | Non-coding AUG circRNAs constitute an abundant and conserved subclass of circles | | 1 |
| 3 | Profiling of Plasma Extracellular Vesicle Transcriptome Reveals That circRNAs Are Prevalent and Differ between Multiple Sclerosis Patients and Healthy Controls.. <i>Biomedicines</i> , 2021 , 9, | 4.8 | 1 |
| 2 | Best practice standards for circular RNA research. <i>Nature Methods</i> , | 21.6 | 1 |
| 1 | RNA Interference Pathways and Therapeutic Exploitation. <i>Advances in Delivery Science and Technology</i> , 2013 , 1-29 | | |