

# Gyorgy Hutvagner

## List of Publications by Year in descending order

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Version: 2024-02-01

64  
papers

13,708  
citations

168829

31  
h-index

139680

61  
g-index

66  
all docs

66  
docs citations

66  
times ranked

16509  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cell-penetrating peptides containing the progesterone receptor polyproline domain inhibits EGF signaling and cell proliferation in lung cancer cells. PLoS ONE, 2022, 17, e0264717.	1.1	9
2	Triple SILAC identified progestin-independent and dependent PRA and PRB interacting partners in breast cancer. Scientific Data, 2021, 8, 100.	2.4	5
3	Single-cell multi-omics sequencing: application trends, COVID-19, data analysis issues and prospects. Briefings in Bioinformatics, 2021, 22, .	3.2	14
4	Instance-based error correction for short reads of disease-associated genes. BMC Bioinformatics, 2021, 22, 142.	1.2	1
5	Cataloguing the small RNA content of honey using next generation sequencing. Food Chemistry Molecular Sciences, 2021, 2, 100014.	0.9	7
6	Aberration-corrected ultrafine analysis of miRNA reads at single-base resolution: a k-mer lattice approach. Nucleic Acids Research, 2021, 49, e106-e106.	6.5	4
7	Sequencing dropout-and-batch effect normalization for single-cell mRNA profiles: a survey and comparative analysis. Briefings in Bioinformatics, 2020, 22, .	3.2	4
8	Key MicroRNAs and Their Targetome in Adrenocortical Cancer. Cancers, 2020, 12, 2198.	1.7	15
9	RNA-Based Therapeutics: From Antisense Oligonucleotides to miRNAs. Cells, 2020, 9, 137.	1.8	246
10	MicroRNA (miRNA)-to-miRNA Regulation of Programmed Cell Death 4 (PDCD4). Molecular and Cellular Biology, 2019, 39, .	1.1	18
11	Non-Coding RNAs in Pediatric Solid Tumors. Frontiers in Genetics, 2019, 10, 798.	1.1	13
12	A cell cycle-coordinated Polymerase II transcription compartment encompasses gene expression before global genome activation. Nature Communications, 2019, 10, 691.	5.8	42
13	Construction of competing endogenous RNA networks from paired RNA-seq data sets by pointwise mutual information. BMC Genomics, 2019, 20, 943.	1.2	5
14	An isomiR expression panel based novel breast cancer classification approach using improved mutual information. BMC Medical Genomics, 2018, 11, 118.	0.7	16
15	tRNA-Derived RNA Fragments Associate with Human Multisynthetase Complex (MSC) and Modulate Ribosomal Protein Translation. Journal of Proteome Research, 2017, 16, 413-420.	1.8	72
16	Acetylacrylamide-mannopyranose-based cationic polymer via RAFT polymerization for lectin and nucleic acid bindings. Journal of Applied Polymer Science, 2017, 134, .	1.3	2
17	miRTar2GO: a novel rule-based model learning method for cell line specific microRNA target prediction that integrates Ago2 CLIP-Seq and validated microRNA target interaction data. Nucleic Acids Research, 2017, 45, e42-e42.	6.5	28
18	RNA Binding Proteins in the miRNA Pathway. International Journal of Molecular Sciences, 2016, 17, 31.	1.8	63

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19	The loop structure and the RNA helicase p72/DDX17 influence the processing efficiency of the mice miR-132. <i>Scientific Reports</i> , 2016, 6, 22848.	1.6	15
20	The miRNA biogenesis factors, p72/DDX17 and KHSRP regulate the protein level of Ago2 in human cells. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2016, 1859, 1299-1305.	0.9	16
21	Male-lineage transmission of an acquired metabolic phenotype induced by grand-paternal obesity. <i>Molecular Metabolism</i> , 2016, 5, 699-708.	3.0	154
22	Long non-coding RNAs harboring miRNA seed regions are enriched in prostate cancer exosomes. <i>Scientific Reports</i> , 2016, 6, 24922.	1.6	144
23	tRNA-Derived Fragments (tRFs): Emerging New Roles for an Ancient RNA in the Regulation of Gene Expression. <i>Life</i> , 2015, 5, 1638-1651.	1.1	202
24	The human Piwi protein Hiwi2 associates with tRNA-derived piRNAs in somatic cells. <i>Nucleic Acids Research</i> , 2014, 42, 8984-8995.	6.5	129
25	Sphingosine Kinase 1 Isoform-Specific Interactions in Breast Cancer. <i>Molecular Endocrinology</i> , 2014, 28, 1899-1915.	3.7	21
26	Rule discovery and distance separation to detect reliable miRNA biomarkers for the diagnosis of lung squamous cell carcinoma. <i>BMC Genomics</i> , 2014, 15, S16.	1.2	10
27	Regulation of miRNA Processing and miRNA Mediated Gene Repression in Cancer. <i>MicroRNA (Shariqah, Tj ETQq1 1,0,784314 rgBT /C 0.6</i>	1.0	43
28	Computational Analysis, Biochemical Purification, and Detection of tRNA-Derived Small RNA Fragments. <i>Methods in Molecular Biology</i> , 2014, 1173, 157-167.	0.4	7
29	Small RNAs derived from the 5' end of tRNA can inhibit protein translation in human cells. <i>RNA Biology</i> , 2013, 10, 553-563.	1.5	277
30	Biogenesis and the regulation of the maturation of miRNAs. <i>Essays in Biochemistry</i> , 2013, 54, 17-28.	2.1	42
31	miR-132/212 Knockout Mice Reveal Roles for These miRNAs in Regulating Cortical Synaptic Transmission and Plasticity. <i>PLoS ONE</i> , 2013, 8, e62509.	1.1	122
32	Polypyrimidine Tract Binding Protein (hnRNP I) Is Possibly a Conserved Modulator of miRNA-Mediated Gene Regulation. <i>PLoS ONE</i> , 2012, 7, e33144.	1.1	22
33	Another "Loophole" in miRNA Processing. <i>Molecular Cell</i> , 2011, 44, 345-347.	4.5	7
34	The ribosomal protein RACK1 is required for microRNA function in both <i>C. elegans</i> and humans. <i>EMBO Reports</i> , 2011, 12, 581-586.	2.0	70
35	Transfer RNA-derived fragments: origins, processing, and functions. <i>Wiley Interdisciplinary Reviews RNA</i> , 2011, 2, 853-862.	3.2	163
36	Posttranslational modification of Argonautes and their role in small RNA-mediated gene regulation. <i>Silence: A Journal of RNA Regulation</i> , 2011, 2, 5.	8.0	28

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37	An evolutionarily conserved, alternatively spliced, intron in the p68/DDX5 DEAD-box RNA helicase gene encodes a novel miRNA. <i>Rna</i> , 2011, 17, 555-562.	1.6	13
38	Poleovirus protein PO prevents the assembly of small RNA-containing RISC complexes and leads to degradation of ARGONAUTE1. <i>Plant Journal</i> , 2010, 62, 463-472.	2.8	173
39	Regulation of miRNA Transcription in Macrophages in Response to <i>Candida albicans</i> . <i>PLoS ONE</i> , 2010, 5, e13669.	1.1	106
40	Natural Variation of the Amino-Terminal Glutamine-Rich Domain in <i>Drosophila</i> Argonaute2 Is Not Associated with Developmental Defects. <i>PLoS ONE</i> , 2010, 5, e15264.	1.1	32
41	HSP90 Protein Stabilizes Unloaded Argonaute Complexes and Microscopic P-bodies in Human Cells. <i>Molecular Biology of the Cell</i> , 2010, 21, 1462-1469.	0.9	143
42	Regulation of the miR-212/132 locus by MSK1 and CREB in response to neurotrophins. <i>Biochemical Journal</i> , 2010, 428, 281-291.	1.7	195
43	Integration of microRNA changes in vivo identifies novel molecular features of muscle insulin resistance in type 2 diabetes. <i>Genome Medicine</i> , 2010, 2, 9.	3.6	225
44	Filtering of deep sequencing data reveals the existence of abundant Dicer-dependent small RNAs derived from tRNAs. <i>Rna</i> , 2009, 15, 2147-2160.	1.6	525
45	Argonaute proteins: key players in RNA silencing. <i>Nature Reviews Molecular Cell Biology</i> , 2008, 9, 22-32.	16.1	1,150
46	Loss of miRNA biogenesis induces p19Arf-p53 signaling and senescence in primary cells. <i>Journal of Cell Biology</i> , 2008, 181, 1055-1063.	2.3	163
47	Principles and effects of microRNA-mediated post-transcriptional gene regulation. <i>Oncogene</i> , 2006, 25, 6163-6169.	2.6	391
48	Biography of Dr Gyorgy Hutvagner. <i>Oncogene</i> , 2006, 25, 6153-6153.	2.6	0
49	MicroRNAs and cancer: issue summary. <i>Oncogene</i> , 2006, 25, 6154-6155.	2.6	8
50	Small RNA asymmetry in RNAi: Function in RISC assembly and gene regulation. <i>FEBS Letters</i> , 2005, 579, 5850-5857.	1.3	144
51	Sequence-Specific Inhibition of Small RNA Function. <i>PLoS Biology</i> , 2004, 2, e98.	2.6	562
52	Asymmetry in the Assembly of the RNAi Enzyme Complex. <i>Cell</i> , 2003, 115, 199-208.	13.5	2,486
53	Evidence that siRNAs Function as Guides, Not Primers, in the <i>Drosophila</i> and Human RNAi Pathways. <i>Molecular Cell</i> , 2002, 10, 537-548.	4.5	433
54	RNAi: nature abhors a double-strand. <i>Current Opinion in Genetics and Development</i> , 2002, 12, 225-232.	1.5	451

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55	A microRNA in a Multiple-Turnover RNAi Enzyme Complex. <i>Science</i> , 2002, 297, 2056-2060.	6.0	1,844
56	A Cellular Function for the RNA-Interference Enzyme Dicer in the Maturation of the let-7 Small Temporal RNA. <i>Science</i> , 2001, 293, 834-838.	6.0	2,450
57	Molecular markers associated with leptinine production are located on chromosome 1 in <i>Solanum chacoense</i> . <i>Theoretical and Applied Genetics</i> , 2001, 102, 1065-1071.	1.8	26
58	Comparative Molecular Analysis of Winter Wheat Cultivars and Their Doubled Haploid Derivatives. <i>Cereal Research Communications</i> , 2001, 29, 41-48.	0.8	6
59	Detailed characterization of the posttranscriptional gene-silencing-related small RNA in a GUS gene-silenced tobacco. <i>Rna</i> , 2000, 6, 1445-1454.	1.6	54
60	Potato protein kinase StCPK1: a putative evolutionary link between CDPKs and CRKs. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1998, 1442, 101-108.	2.4	10
61	Isolation and sequence analysis of a cDNA and a related gene for cytochrome P450 proteins from <i>Solanum chacoense</i> . <i>Gene</i> , 1997, 188, 247-252.	1.0	14
62	Isolation and characterization of a water-stress-inducible cDNA clone from <i>Solanum chacoense</i> . <i>Plant Molecular Biology</i> , 1995, 27, 587-595.	2.0	67
63	Destabilisation of Argonaute 2 generates a truncated protein: halfAgo2. <i>Matters</i> , 0, , .	1.0	0
64	Simultaneous compression of multiple error-corrected short-read sets for faster data transmission and better <i>de novo</i> assemblies. <i>Briefings in Functional Genomics</i> , 0, , .	1.3	0