

# Gyorgy Hutvagner

## List of Publications by Year in Descending Order

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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.

62

papers

11,788

citations

31

h-index

66

g-index

66

ext. papers

12,867

ext. citations

9.2

avg, IF

6.54

L-index

#	Paper	IF	Citations
62	Cell-penetrating peptides containing the progesterone receptor polyproline domain inhibits EGF signaling and cell proliferation in lung cancer cells.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0264717	3.7	2
61	Sequencing dropout-and-batch effect normalization for single-cell mRNA profiles: a survey and comparative analysis. <i>Briefings in Bioinformatics</i> , <b>2021</b> , 22,	13.4	2
60	Triple SILAC identified progesterin-independent and dependent PRA and PRB interacting partners in breast cancer. <i>Scientific Data</i> , <b>2021</b> , 8, 100	8.2	3
59	Single-cell multi-omics sequencing: application trends, COVID-19, data analysis issues and prospects. <i>Briefings in Bioinformatics</i> , <b>2021</b> , 22,	13.4	4
58	Instance-based error correction for short reads of disease-associated genes. <i>BMC Bioinformatics</i> , <b>2021</b> , 22, 142	3.6	0
57	Cataloguing the small RNA content of honey using next generation sequencing.. <i>Food Chemistry Molecular Sciences</i> , <b>2021</b> , 2, 100014	1	2
56	Aberration-corrected ultrafine analysis of miRNA reads at single-base resolution: a k-mer lattice approach. <i>Nucleic Acids Research</i> , <b>2021</b> , 49, e106	20.1	1
55	RNA-Based Therapeutics: From Antisense Oligonucleotides to miRNAs. <i>Cells</i> , <b>2020</b> , 9,	7.9	134
54	Key MicroRNAs and Their Targetome in Adrenocortical Cancer. <i>Cancers</i> , <b>2020</b> , 12,	6.6	5
53	Non-Coding RNAs in Pediatric Solid Tumors. <i>Frontiers in Genetics</i> , <b>2019</b> , 10, 798	4.5	10
52	MicroRNA (miRNA)-to-miRNA Regulation of Programmed Cell Death 4 (PDCD4). <i>Molecular and Cellular Biology</i> , <b>2019</b> , 39,	4.8	10
51	A cell cycle-coordinated Polymerase II transcription compartment encompasses gene expression before global genome activation. <i>Nature Communications</i> , <b>2019</b> , 10, 691	17.4	24
50	Construction of competing endogenous RNA networks from paired RNA-seq data sets by pointwise mutual information. <i>BMC Genomics</i> , <b>2019</b> , 20, 943	4.5	4
49	An isomiR expression panel based novel breast cancer classification approach using improved mutual information. <i>BMC Medical Genomics</i> , <b>2018</b> , 11, 118	3.7	13
48	tRNA-Derived RNA Fragments Associate with Human Multisynthetase Complex (MSC) and Modulate Ribosomal Protein Translation. <i>Journal of Proteome Research</i> , <b>2017</b> , 16, 413-420	5.6	47
47	Acetyl-β-mannopyranose-based cationic polymer via RAFT polymerization for lectin and nucleic acid bindings. <i>Journal of Applied Polymer Science</i> , <b>2017</b> , 134,	2.9	2
46	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. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, e42	20.1	20

45	Male-lineage transmission of an acquired metabolic phenotype induced by grand-paternal obesity. <i>Molecular Metabolism</i> , <b>2016</b> , 5, 699-708	8.8	104
44	Long non-coding RNAs harboring miRNA seed regions are enriched in prostate cancer exosomes. <i>Scientific Reports</i> , <b>2016</b> , 6, 24922	4.9	117
43	The loop structure and the RNA helicase p72/DDX17 influence the processing efficiency of the mice miR-132. <i>Scientific Reports</i> , <b>2016</b> , 6, 22848	4.9	12
42	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> , <b>2016</b> , 1859, 1299-305	6	10
41	tRNA-Derived Fragments (tRFs): Emerging New Roles for an Ancient RNA in the Regulation of Gene Expression. <i>Life</i> , <b>2015</b> , 5, 1638-51	3	147
40	RNA Binding Proteins in the miRNA Pathway. <i>International Journal of Molecular Sciences</i> , <b>2015</b> , 17,	6.3	48
39	Regulation of miRNA processing and miRNA mediated gene repression in cancer. <i>MicroRNA (Sharjah, United Arab Emirates)</i> , <b>2014</b> , 3, 10-7	2.9	35
38	The human Piwi protein Hiwi2 associates with tRNA-derived piRNAs in somatic cells. <i>Nucleic Acids Research</i> , <b>2014</b> , 42, 8984-95	20.1	102
37	Sphingosine kinase 1 isoform-specific interactions in breast cancer. <i>Molecular Endocrinology</i> , <b>2014</b> , 28, 1899-915		20
36	Rule discovery and distance separation to detect reliable miRNA biomarkers for the diagnosis of lung squamous cell carcinoma. <i>BMC Genomics</i> , <b>2014</b> , 15 Suppl 9, S16	4.5	10
35	Computational analysis, biochemical purification, and detection of tRNA-derived small RNA fragments. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1173, 157-67	1.4	6
34	Small RNAs derived from the 5' end of tRNA can inhibit protein translation in human cells. <i>RNA Biology</i> , <b>2013</b> , 10, 553-63	4.8	223
33	Biogenesis and the regulation of the maturation of miRNAs. <i>Essays in Biochemistry</i> , <b>2013</b> , 54, 17-28	7.6	40
32	miR-132/212 knockout mice reveal roles for these miRNAs in regulating cortical synaptic transmission and plasticity. <i>PLoS ONE</i> , <b>2013</b> , 8, e62509	3.7	103
31	Polypyrimidine tract binding protein (hnRNP I) is possibly a conserved modulator of miRNA-mediated gene regulation. <i>PLoS ONE</i> , <b>2012</b> , 7, e33144	3.7	18
30	Another "loophole" in miRNA processing. <i>Molecular Cell</i> , <b>2011</b> , 44, 345-7	17.6	7
29	The ribosomal protein RACK1 is required for microRNA function in both <i>C. elegans</i> and humans. <i>EMBO Reports</i> , <b>2011</b> , 12, 581-6	6.5	61
28	Transfer RNA-derived fragments: origins, processing, and functions. <i>Wiley Interdisciplinary Reviews RNA</i> , <b>2011</b> , 2, 853-62	9.3	144

27	Posttranslational modification of Argonautes and their role in small RNA-mediated gene regulation. <i>Silence: A Journal of RNA Regulation</i> , <b>2011</b> , 2, 5		24
26	An evolutionarily conserved, alternatively spliced, intron in the p68/DDX5 DEAD-box RNA helicase gene encodes a novel miRNA. <i>Rna</i> , <b>2011</b> , 17, 555-62	5.8	12
25	Poleovirus protein P0 prevents the assembly of small RNA-containing RISC complexes and leads to degradation of ARGONAUTE1. <i>Plant Journal</i> , <b>2010</b> , 62, 463-72	6.9	133
24	Regulation of miRNA transcription in macrophages in response to <i>Candida albicans</i> . <i>PLoS ONE</i> , <b>2010</b> , 5, e13669	3.7	93
23	Natural variation of the amino-terminal glutamine-rich domain in <i>Drosophila argonaute2</i> is not associated with developmental defects. <i>PLoS ONE</i> , <b>2010</b> , 5, e15264	3.7	26
22	HSP90 protein stabilizes unloaded argonaute complexes and microscopic P-bodies in human cells. <i>Molecular Biology of the Cell</i> , <b>2010</b> , 21, 1462-9	3.5	122
21	Regulation of the miR-212/132 locus by MSK1 and CREB in response to neurotrophins. <i>Biochemical Journal</i> , <b>2010</b> , 428, 281-91	3.8	173
20	Integration of microRNA changes in vivo identifies novel molecular features of muscle insulin resistance in type 2 diabetes. <i>Genome Medicine</i> , <b>2010</b> , 2, 9	14.4	188
19	Filtering of deep sequencing data reveals the existence of abundant Dicer-dependent small RNAs derived from tRNAs. <i>Rna</i> , <b>2009</b> , 15, 2147-60	5.8	433
18	Argonaute proteins: key players in RNA silencing. <i>Nature Reviews Molecular Cell Biology</i> , <b>2008</b> , 9, 22-32	48.7	931
17	Loss of miRNA biogenesis induces p19Arf-p53 signaling and senescence in primary cells. <i>Journal of Cell Biology</i> , <b>2008</b> , 181, 1055-63	7.3	150
16	Principles and effects of microRNA-mediated post-transcriptional gene regulation. <i>Oncogene</i> , <b>2006</b> , 25, 6163-9	9.2	355
15	MicroRNAs and cancer: issue summary. <i>Oncogene</i> , <b>2006</b> , 25, 6154-6155	9.2	7
14	Small RNA asymmetry in RNAi: function in RISC assembly and gene regulation. <i>FEBS Letters</i> , <b>2005</b> , 579, 5850-7	3.8	122
13	Sequence-specific inhibition of small RNA function. <i>PLoS Biology</i> , <b>2004</b> , 2, E98	9.7	530
12	Asymmetry in the assembly of the RNAi enzyme complex. <i>Cell</i> , <b>2003</b> , 115, 199-208	56.2	2208
11	A microRNA in a multiple-turnover RNAi enzyme complex. <i>Science</i> , <b>2002</b> , 297, 2056-60	33.3	1640
10	Evidence that siRNAs function as guides, not primers, in the <i>Drosophila</i> and human RNAi pathways. <i>Molecular Cell</i> , <b>2002</b> , 10, 537-48	17.6	395

9	RNAi: nature abhors a double-strand. <i>Current Opinion in Genetics and Development</i> , <b>2002</b> , 12, 225-32	4.9	402
8	Molecular markers associated with leptinine production are located on chromosome 1 in <i>Solanum chacoense</i> . <i>Theoretical and Applied Genetics</i> , <b>2001</b> , 102, 1065-1071	6	24
7	A cellular function for the RNA-interference enzyme Dicer in the maturation of the let-7 small temporal RNA. <i>Science</i> , <b>2001</b> , 293, 834-8	33.3	2200
6	Comparative Molecular Analysis of Winter Wheat Cultivars and Their Doubled Haploid Derivatives. <i>Cereal Research Communications</i> , <b>2001</b> , 29, 41-48	1.1	3
5	Detailed characterization of the posttranscriptional gene-silencing-related small RNA in a GUS gene-silenced tobacco. <i>Rna</i> , <b>2000</b> , 6, 1445-54	5.8	49
4	Potato protein kinase StCPK1: a putative evolutionary link between CDPKs and CRKs. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , <b>1998</b> , 1442, 101-8		10
3	Isolation and sequence analysis of a cDNA and a related gene for cytochrome P450 proteins from <i>Solanum chacoense</i> . <i>Gene</i> , <b>1997</b> , 188, 247-52	3.8	12
2	Isolation and characterization of a water-stress-inducible cDNA clone from <i>Solanum chacoense</i> . <i>Plant Molecular Biology</i> , <b>1995</b> , 27, 587-95	4.6	55
1	A cell cycle-coordinated nuclear compartment for Polymerase II transcription encompasses the earliest gene expression before global genome activation		1