

Makoto Miyagishi

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1270812/makoto-miyagishi-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

114
papers

14,337
citations

46
h-index

119
g-index

122
ext. papers

15,484
ext. citations

7.7
avg, IF

5.69
L-index

#	Paper	IF	Citations
114	Homeostasis Imbalance of YY2 and YY1 Promotes Tumor Growth by Manipulating Ferroptosis.. <i>Advanced Science</i> , 2022 , e2104836	13.6	0
113	Development of aptamer-based inhibitors for CRISPR/Cas system. <i>Nucleic Acids Research</i> , 2021 , 49, 13302-13314	13.4	5
112	The transcription factor PBX3 promotes tumor cell growth through transcriptional suppression of the tumor suppressor p53. <i>Acta Pharmacologica Sinica</i> , 2021 , 42, 1888-1899	8	4
111	Zn-dependent DNAzymes that cleave all combinations of ribonucleotides. <i>Communications Biology</i> , 2021 , 4, 221	6.7	1
110	Neurogenic differentiation factor 1 promotes colorectal cancer cell proliferation and tumorigenesis by suppressing the p53/p21 axis. <i>Cancer Science</i> , 2020 , 111, 175-185	6.9	8
109	Zinc-finger protein p52-ZER6 accelerates colorectal cancer cell proliferation and tumour progression through promoting p53 ubiquitination. <i>EBioMedicine</i> , 2019 , 48, 248-263	8.8	13
108	Incorporation, intracellular trafficking and processing of extracellular heparanase by mast cells: Involvement of syndecan-4-dependent pathway. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 503, 3235-3241	3.4	5
107	Transcription Factor YY1 Promotes Cell Proliferation by Directly Activating the Pentose Phosphate Pathway. <i>Cancer Research</i> , 2018 , 78, 4549-4562	10.1	51
106	Inhibition of PHD3 by salidroside promotes neovascularization through cell-cell communications mediated by muscle-secreted angiogenic factors. <i>Scientific Reports</i> , 2017 , 7, 43935	4.9	19
105	Biochemical and structural features of extracellular vesicle-binding RNA aptamers. <i>Biomedical Reports</i> , 2017 , 6, 615-626	1.8	7
104	Identification of XBP1-u as a novel regulator of the MDM2/p53 axis using an shRNA library. <i>Science Advances</i> , 2017 , 3, e1701383	14.3	27
103	Transcription factor Yin Yang 2 is a novel regulator of the p53/p21 axis. <i>Oncotarget</i> , 2017 , 8, 54694-54703	3.3	15
102	Elevating VEGF-A and PDGF-BB secretion by salidroside enhances neoangiogenesis in diabetic hind-limb ischemia. <i>Oncotarget</i> , 2017 , 8, 97187-97205	3.3	12
101	The ASK family kinases differentially mediate induction of type I interferon and apoptosis during the antiviral response. <i>Science Signaling</i> , 2015 , 8, ra78	8.8	20
100	Analysis of ATP and AMP binding to a DNA aptamer and its imidazole-tethered derivatives by surface plasmon resonance. <i>Analyst</i> , 2015 , 140, 5881-4	5	9
99	Prolyl hydroxylase domain-2 silencing induced by hydrodynamic limb vein injection enhances vascular regeneration in critical limb ischemia mice through activation of multiple genes. <i>Current Gene Therapy</i> , 2015 , 15, 313-25	4.3	7
98	Synergistic cooperation of MDM2 and E2F1 contributes to TAp73 transcriptional activity. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 449, 319-26	3.4	3

97	Tiny masking locked nucleic acids effectively bind to mRNA and inhibit binding of microRNAs in relation to thermodynamic stability. <i>Biomedical Reports</i> , 2014 , 2, 509-512	1.8	11
96	Type II Fp of human mitochondrial respiratory complex II and its role in adaptation to hypoxia and nutrition-deprived conditions. <i>Mitochondrion</i> , 2013 , 13, 602-9	4.9	14
95	Altered phospholipid molecular species and glycolipid composition in brain, liver and fibroblasts of Zellweger syndrome. <i>Neuroscience Letters</i> , 2013 , 552, 71-5	3.3	4
94	Transcription factor YY1 contributes to tumor growth by stabilizing hypoxia factor HIF-1 α in a p53-independent manner. <i>Cancer Research</i> , 2013 , 73, 1787-99	10.1	54
93	Determination of the role of DDX3 a factor involved in mammalian RNAi pathway using an shRNA-expression library. <i>PLoS ONE</i> , 2013 , 8, e59445	3.7	21
92	Enhanced cancer immunotherapy using STAT3-depleted dendritic cells with high Th1-inducing ability and resistance to cancer cell-derived inhibitory factors. <i>Journal of Immunology</i> , 2011 , 187, 27-36	5.3	72
91	Histone demethylase JMJD2B functions as a co-factor of estrogen receptor in breast cancer proliferation and mammary gland development. <i>PLoS ONE</i> , 2011 , 6, e17830	3.7	137
90	Confirmation of multiple risk Loci and genetic impacts by a genome-wide association study of type 2 diabetes in the Japanese population. <i>Diabetes</i> , 2009 , 58, 1690-9	0.9	196
89	Simultaneous suppression of MITF and BRAF V600E enhanced inhibition of melanoma cell proliferation. <i>Cancer Science</i> , 2009 , 100, 1863-9	6.9	25
88	Mitogen-activated protein 3 kinase 6 mediates angiogenic and tumorigenic effects via vascular endothelial growth factor expression. <i>American Journal of Pathology</i> , 2009 , 174, 1553-63	5.8	31
87	Knockdown of Severe Acute Respiratory Syndrome Corona Virus (SARS-CoV) Genes by Small Interfering RNA (siRNA) Using siRNA-expression Vectors and Synthetic Double-stranded RNA (dsRNA) as a Model for siRNA Design. <i>Genes and Environment</i> , 2009 , 31, 15-23	2.8	
86	RNAi-mediated silencing of p190Bcr-Abl inactivates Stat5 and cooperates with imatinib mesylate and 17-allylamino-17-demethoxygeldanamycin in selective killing of p190Bcr-Abl-expressing leukemia cells. <i>Leukemia</i> , 2008 , 22, 1131-8	10.7	5
85	Yin Yang 1 induces transcriptional activity of p73 through cooperation with E2F1. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 365, 75-81	3.4	25
84	Effect of asymmetric terminal structures of short RNA duplexes on the RNA interference activity and strand selection. <i>Nucleic Acids Research</i> , 2008 , 36, 5812-21	20.1	85
83	An excellent monitoring system for surface ubiquitination-induced internalization in mammals. <i>PLoS ONE</i> , 2008 , 3, e1490	3.7	12
82	Knockdown of the bovine prion gene PRNP by RNA interference (RNAi) technology. <i>BMC Biotechnology</i> , 2007 , 7, 44	3.5	9
81	DAI (DLM-1/ZBP1) is a cytosolic DNA sensor and an activator of innate immune response. <i>Nature</i> , 2007 , 448, 501-5	50.4	1251
80	Genome-wide screening by using small-interfering RNA expression libraries. <i>Methods in Molecular Biology</i> , 2007 , 360, 131-42	1.4	4

79	Effective inhibition of cell growth and invasion of melanoma by combined suppression of BRAF (V599E) and Skp2 with lentiviral RNAi. <i>International Journal of Cancer</i> , 2006 , 118, 472-6	7.5	53
78	TRAIL-induced cell death cooperates with IFN-gamma activation in the graft-versus-tumor effect against colon tumors. <i>International Journal of Cancer</i> , 2006 , 118, 2237-46	7.5	13
77	Screening of siRNA target sequences by using fragmented DNA. <i>Journal of Gene Medicine</i> , 2006 , 8, 782-91	3.5	6
76	Myosin motor Myo1c and its receptor NEMO/IKK-gamma promote TNF-alpha-induced serine307 phosphorylation of IRS-1. <i>Journal of Cell Biology</i> , 2006 , 173, 665-71	7.3	50
75	Cutting Edge: Lentiviral short hairpin RNA silencing of PTEN in human mast cells reveals constitutive signals that promote cytokine secretion and cell survival. <i>Journal of Immunology</i> , 2006 , 176, 5167-71	5.3	66
74	Involvement of template-activating factor I/SET in transcription of adenovirus early genes as a positive-acting factor. <i>Journal of Virology</i> , 2006 , 80, 794-801	6.6	64
73	BRAF mediates RET/PTC-induced mitogen-activated protein kinase activation in thyroid cells: functional support for requirement of the RET/PTC-RAS-BRAF pathway in papillary thyroid carcinogenesis. <i>Endocrinology</i> , 2006 , 147, 1014-9	4.8	99
72	Differentiation stage-specific analysis of gene function with inducible short hair-pin RNA in differentiating embryonic stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 351, 669-74	3.4	6
71	DeltaEF1 mediates TGF-beta signaling in vascular smooth muscle cell differentiation. <i>Developmental Cell</i> , 2006 , 11, 93-104	10.2	118
70	Defective repair of radiation-induced DNA damage is complemented by a CHORI-230-65K18 BAC clone on rat chromosome 4. <i>Genomics</i> , 2006 , 87, 236-42	4.3	2
69	Down-regulation of endogenous Wt1 expression by Sry transgene in the murine embryonic mesonephros-derived M15 cell line. <i>Journal of Reproduction and Development</i> , 2006 , 52, 415-27	2.1	3
68	Small interfering RNA expression vector targeting hypoxia-inducible factor 1 alpha inhibits tumor growth in hepatobiliary and pancreatic cancers. <i>Cancer Gene Therapy</i> , 2006 , 13, 131-40	5.4	46
67	Intracellular-diced dsRNA has enhanced efficacy for silencing HCV RNA and overcomes variation in the viral genotype. <i>Gene Therapy</i> , 2006 , 13, 883-92	4	76
66	Engineered Ribozymes: Efficient Tools for Molecular Gene Therapy and Gene Discovery 2006 , 497-518		
65	ShRNA Targeting p190BCR-ABL Successfully Eliminates Ph-ALL Cells with or without ABL Kinase Domain Mutation.. <i>Blood</i> , 2006 , 108, 1838-1838	2.2	
64	Escape from the interferon response associated with RNA interference using vectors that encode long modified hairpin-RNA. <i>Molecular BioSystems</i> , 2005 , 1, 382-90		53
63	A fast, simple method for screening radiation susceptibility genes by RNA interference. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 333, 1370-7	3.4	10
62	Genome-wide application of RNAi to the discovery of potential drug targets. <i>FEBS Letters</i> , 2005 , 579, 5988-95	3.8	22

61	Essential role of ATF-1 in induction of NOX1, a catalytic subunit of NADPH oxidase: involvement of mitochondrial respiratory chain. <i>Biochemical Journal</i> , 2005 , 386, 255-61	3.8	51
60	A multifunctional envelope-type nano device for novel gene delivery of siRNA plasmids. <i>International Journal of Pharmaceutics</i> , 2005 , 301, 277-85	6.5	62
59	Correlation between mRNA expression of Th1/Th2 cytokines and their specific transcription factors in human helper T-cell clones. <i>Immunology and Cell Biology</i> , 2005 , 83, 536-41	5	15
58	Notch1 oncoprotein antagonizes TGF-beta/Smad-mediated cell growth suppression via sequestration of coactivator p300. <i>Cancer Science</i> , 2005 , 96, 274-82	6.9	59
57	Gene therapy for human small-cell lung carcinoma by inactivation of Skp-2 with virally mediated RNA interference. <i>Gene Therapy</i> , 2005 , 12, 95-100	4	69
56	Smad4 silencing in pancreatic cancer cell lines using stable RNA interference and gene expression profiles induced by transforming growth factor-beta. <i>Oncogene</i> , 2005 , 24, 662-71	9.2	69
55	Generation of highly specific vector-based shRNAi libraries directed against the entire human genome 2005 , 480-496		1
54	Novel methods for expressing RNA interference in human cells. <i>Methods in Enzymology</i> , 2005 , 392, 97-112	12.7	10
53	p53-Independent negative regulation of p21/cyclin-dependent kinase-interacting protein 1 by the sonic hedgehog-glioma-associated oncogene 1 pathway in gastric carcinoma cells. <i>Cancer Research</i> , 2005 , 65, 10822-9	10.1	77
52	Single small-interfering RNA expression vector for silencing multiple transforming growth factor-beta pathway components. <i>Nucleic Acids Research</i> , 2005 , 33, e131	20.1	40
51	Shared and unique functions of the DExD/H-box helicases RIG-I, MDA5, and LGP2 in antiviral innate immunity. <i>Journal of Immunology</i> , 2005 , 175, 2851-8	5.3	1232
50	Transgenic small interfering RNA halts amyotrophic lateral sclerosis in a mouse model. <i>Journal of Biological Chemistry</i> , 2005 , 280, 42826-30	5.4	41
49	Analysis of double-stranded RNA-induced apoptosis pathways using interferon-response noninducible small interfering RNA expression vector library. <i>Journal of Biological Chemistry</i> , 2005 , 280, 25687-96	5.4	26
48	Blockade of the stromal cell-derived factor-1/CXCR4 axis attenuates in vivo tumor growth by inhibiting angiogenesis in a vascular endothelial growth factor-independent manner. <i>Cancer Research</i> , 2005 , 65, 5864-71	10.1	162
47	A20 is a negative regulator of IFN regulatory factor 3 signaling. <i>Journal of Immunology</i> , 2005 , 174, 1507-15	12.3	153
46	Chemistry-based RNA technologies: demonstration of usefulness of libraries of ribozymes and short hairpin RNAs (shRNAs). <i>Nucleic Acids Symposium Series</i> , 2005 , 91-2		2
45	Identification of a network involved in thapsigargin-induced apoptosis using a library of small interfering RNA expression vectors. <i>Journal of Biological Chemistry</i> , 2005 , 280, 826-31	5.4	75
44	Design of Intracellularly Active Ribozymes and siRNAs 2005 , 363-397		

43	Cancer-derived VEGF plays no role in malignant ascites formation in the mouse. <i>World Journal of Gastroenterology</i> , 2005 , 11, 5455-9	5.6	5
42	Ribozymes: applications to functional analysis and gene discovery. <i>Journal of Biochemistry</i> , 2004 , 136, 133-47	3.1	9
41	Identification of metastasis-related genes in a mouse model using a library of randomized ribozymes. <i>Journal of Biological Chemistry</i> , 2004 , 279, 38083-6	5.4	40
40	Vector-based in vivo RNA interference: dose- and time-dependent suppression of transgene expression. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004 , 308, 688-93	4.7	61
39	Control of siRNA expression using the Cre-loxP recombination system. <i>Nucleic Acids Research</i> , 2004 , 32, e66	20.1	41
38	Silent information regulator 2 potentiates Foxo1-mediated transcription through its deacetylase activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 10042-7	11.5	485
37	Adenovirus-mediated transfer of siRNA against survivin induced apoptosis and attenuated tumor cell growth in vitro and in vivo. <i>Molecular Therapy</i> , 2004 , 10, 162-71	11.7	165
36	The RNA helicase RIG-I has an essential function in double-stranded RNA-induced innate antiviral responses. <i>Nature Immunology</i> , 2004 , 5, 730-7	19.1	2998
35	Inhibition of growth and invasive ability of melanoma by inactivation of mutated BRAF with lentivirus-mediated RNA interference. <i>Oncogene</i> , 2004 , 23, 6031-9	9.2	165
34	Small-interfering-RNA expression in cells based on an efficiently constructed dumbbell-shaped DNA. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 3160-3	16.4	15
33	Small-Interfering-RNA Expression in Cells Based on an Efficiently Constructed Dumbbell-Shaped DNA. <i>Angewandte Chemie</i> , 2004 , 116, 3222-3225	3.6	2
32	Optimization of an siRNA-expression system with an improved hairpin and its significant suppressive effects in mammalian cells. <i>Journal of Gene Medicine</i> , 2004 , 6, 715-23	3.5	150
31	Establishment of stable hFis1 knockdown cells with an siRNA expression vector. <i>Journal of Biochemistry</i> , 2004 , 136, 421-5	3.1	6
30	GATA-3 suppresses IFN-gamma promoter activity independently of binding to cis-regulatory elements. <i>FEBS Letters</i> , 2004 , 570, 63-8	3.8	24
29	siRNA-based inhibition specific for mutant SOD1 with single nucleotide alternation in familial ALS, compared with ribozyme and DNA enzyme. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 314, 283-91	3.4	47
28	Proteomic analysis of the TGF-beta signaling pathway in pancreatic carcinoma cells using stable RNA interference to silence Smad4 expression. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 318, 289-96	3.4	32
27	Generation of an shRNAi expression library against the whole human transcripts. <i>Virus Research</i> , 2004 , 102, 117-24	6.4	45
26	Know-how of RNA interference and its applications in research and therapy. <i>Mutation Research - Reviews in Mutation Research</i> , 2004 , 567, 71-84	7	33

25	Effects on RNAi of the tight structure, sequence and position of the targeted region. <i>Nucleic Acids Research</i> , 2004 , 32, 691-9	20.1	115
24	RNAi expression vectors in mammalian cells. <i>Methods in Molecular Biology</i> , 2004 , 252, 483-91	1.4	21
23	Strategies for generation of an siRNA expression library directed against the human genome. <i>Oligonucleotides</i> , 2003 , 13, 325-33		78
22	Control of siRNA expression utilizing Cre-loxP recombination system. <i>Nucleic Acids Symposium Series</i> , 2003 , 255-6		18
21	Comparison of the suppressive effects of antisense oligonucleotides and siRNAs directed against the same targets in mammalian cells. <i>Oligonucleotides</i> , 2003 , 13, 1-7		138
20	Cloning of adiponectin receptors that mediate antidiabetic metabolic effects. <i>Nature</i> , 2003 , 423, 762-9	50.4	2453
19	Inhibition of intracellular hepatitis C virus replication by synthetic and vector-derived small interfering RNAs. <i>EMBO Reports</i> , 2003 , 4, 602-8	6.5	263
18	Introduction of short interfering RNA to silence endogenous E-selectin in vascular endothelium leads to successful inhibition of leukocyte adhesion. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 310, 1062-6	3.4	16
17	Cooperative interaction of EWS with CREB-binding protein selectively activates hepatocyte nuclear factor 4-mediated transcription. <i>Journal of Biological Chemistry</i> , 2003 , 278, 5427-32	5.4	74
16	Stimulatory effect of an indirectly attached RNA helicase-recruiting sequence on the suppression of gene expression by antisense oligonucleotides. <i>Oligonucleotides</i> , 2003 , 13, 9-17		2
15	Effects on RNA interference in gene expression (RNAi) in cultured mammalian cells of mismatches and the introduction of chemical modifications at the 3' ends of siRNAs. <i>Oligonucleotides</i> , 2002 , 12, 301-9		86
14	Mechanism of action of hammerhead ribozymes and their applications in vivo: rapid identification of functional genes in the post-genome era by novel hybrid ribozyme libraries. <i>Biochemical Society Transactions</i> , 2002 , 30, 1145-9	5.1	15
13	U6 promoter-driven siRNAs with four uridine 3' overhangs efficiently suppress targeted gene expression in mammalian cells. <i>Nature Biotechnology</i> , 2002 , 20, 497-500	44.5	643
12	Development and application of siRNA expression vector. <i>Nucleic Acids Symposium Series</i> , 2002 , 113-4		32
11	Transport of intracellularly active ribozymes to the cytoplasm. <i>Cancer Chemotherapy and Pharmacology</i> , 2001 , 48 Suppl 1, S96-101	3.5	3
10	Two domains of Nrf2 cooperatively bind CBP, a CREB binding protein, and synergistically activate transcription. <i>Genes To Cells</i> , 2001 , 6, 857-68	2.3	326
9	Suppression of gene expression by RNA interference in cultured plant cells. <i>Oligonucleotides</i> , 2001 , 11, 359-67		21
8	Cell type-dependent transactivation or repression of mesoderm-restricted basic helix-loop-helix protein, POD-1/Capsulin. <i>Molecular and Cellular Biochemistry</i> , 2000 , 205, 141-7	4.2	12

7	Regulation of Lef-mediated transcription and p53-dependent pathway by associating beta-catenin with CBP/p300. <i>Journal of Biological Chemistry</i> , 2000 , 275, 35170-5	5-4	101
6	Intracellular signaling mechanisms leading to synergistic effects of endothelin-1 and stem cell factor on proliferation of cultured human melanocytes. Cross-talk via trans-activation of the tyrosine kinase c-kit receptor. <i>Journal of Biological Chemistry</i> , 2000 , 275, 33321-8	5-4	92
5	Functional association between CBP and HNF4 in trans-activation. <i>Biochemical and Biophysical Research Communications</i> , 1997 , 241, 664-9	3-4	99
4	The role of endothelin-1 in epidermal hyperpigmentation and signaling mechanisms of mitogenesis and melanogenesis. <i>Pigment Cell & Melanoma Research</i> , 1997 , 10, 218-28		140
3	Role of endothelin-1 in hyperpigmentation in seborrheic keratosis. <i>British Journal of Dermatology</i> , 1996 , 135, 918-23	4	37
2	Endothelin-1 as a new melanogen: coordinated expression of its gene and the tyrosinase gene in UVB-exposed human epidermis. <i>Journal of Investigative Dermatology</i> , 1995 , 105, 32-7	4-3	186
1	Cloning of cDNA and amino acid sequence of one of chicken cone visual pigments. <i>Biochemical and Biophysical Research Communications</i> , 1990 , 173, 1212-7	3-4	30