

# Yangming Wang

## List of Publications by Year in descending order

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45  
papers

4,342  
citations

249298

26  
h-index

242451

47  
g-index

52  
all docs

52  
docs citations

52  
times ranked

6190  
citing authors

#	ARTICLE	IF	CITATIONS
1	DGCR8 is essential for microRNA biogenesis and silencing of embryonic stem cell self-renewal. <i>Nature Genetics</i> , 2007, 39, 380-385.	9.4	934
2	Mouse ES cells express endogenous shRNAs, siRNAs, and other Microprocessor-independent, Dicer-dependent small RNAs. <i>Genes and Development</i> , 2008, 22, 2773-2785.	2.7	739
3	Embryonic stem cell-specific microRNAs regulate the G1-S transition and promote rapid proliferation. <i>Nature Genetics</i> , 2008, 40, 1478-1483.	9.4	621
4	Distinct Processing of lncRNAs Contributes to Non-conserved Functions in Stem Cells. <i>Cell</i> , 2020, 181, 621-636.e22.	13.5	192
5	Capturing the interactome of newly transcribed RNA. <i>Nature Methods</i> , 2018, 15, 213-220.	9.0	170
6	NEAT1 scaffolds RNA-binding proteins and the Microprocessor to globally enhance pri-miRNA processing. <i>Nature Structural and Molecular Biology</i> , 2017, 24, 816-824.	3.6	165
7	Deoxyribozymes with 5' RNA Ligase Activity. <i>Journal of the American Chemical Society</i> , 2003, 125, 2444-2454.	6.6	152
8	Cell Cycle Regulation by MicroRNAs in Embryonic Stem Cells. <i>Cancer Research</i> , 2009, 69, 4093-4096.	0.4	117
9	A microRNA-inducible CRISPR-Cas9 platform serves as a microRNA sensor and cell-type-specific genome regulation tool. <i>Nature Cell Biology</i> , 2019, 21, 522-530.	4.6	117
10	Deoxyribozymes That Synthesize Branched and Lariat RNA. <i>Journal of the American Chemical Society</i> , 2003, 125, 6880-6881.	6.6	110
11	miR-294/miR-302 Promotes Proliferation, Suppresses G1-S Restriction Point, and Inhibits ESC Differentiation through Separable Mechanisms. <i>Cell Reports</i> , 2013, 4, 99-109.	2.9	84
12	miR-290/371-Mbd2-Myc circuit regulates glycolytic metabolism to promote pluripotency. <i>EMBO Journal</i> , 2015, 34, 609-623.	3.5	82
13	DPPA2/4 and SUMO E3 ligase PIAS4 opposingly regulate zygotic transcriptional program. <i>PLoS Biology</i> , 2019, 17, e3000324.	2.6	78
14	SETDB1-Mediated Cell Fate Transition between 2C-Like and Pluripotent States. <i>Cell Reports</i> , 2020, 30, 25-36.e6.	2.9	64
15	Pluripotency-associated miR-290/302 family of microRNAs promote the dismantling of naive pluripotency. <i>Cell Research</i> , 2016, 26, 350-366.	5.7	59
16	Functional screen reveals essential roles of miR-27a/24 in differentiation of embryonic stem cells. <i>EMBO Journal</i> , 2015, 34, 361-378.	3.5	54
17	A TRIM71 binding long noncoding RNA Trincr1 represses FGF/ERK signaling in embryonic stem cells. <i>Nature Communications</i> , 2019, 10, 1368.	5.8	53
18	Characterization of Deoxyribozymes That Synthesize Branched RNA. <i>Biochemistry</i> , 2003, 42, 15252-15263.	1.2	52

#	ARTICLE	IF	CITATIONS
19	Efficient One-Step Synthesis of Biologically Related Lariat RNAs by a Deoxyribozyme. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5863-5866.	7.2	47
20	Directing the Outcome of Deoxyribozyme Selections To Favor Native 3'→5' RNA Ligation. <i>Biochemistry</i> , 2005, 44, 3017-3023.	1.2	46
21	A deoxyribozyme that synthesizes 2',5'-branched RNA with any branch-site nucleotide. <i>Nucleic Acids Research</i> , 2005, 33, 3503-3512.	6.5	39
22	Suppression of epithelial→mesenchymal transition and apoptotic pathways by miR-294/302 family synergistically blocks let-7-induced silencing of self-renewal in embryonic stem cells. <i>Cell Death and Differentiation</i> , 2015, 22, 1158-1169.	5.0	34
23	MicroRNAs and RNA binding protein regulators of microRNAs in the control of pluripotency and reprogramming. <i>Current Opinion in Genetics and Development</i> , 2017, 46, 95-103.	1.5	33
24	Adenosine Is Inherently Favored as the Branch-Site RNA Nucleotide in a Structural Context That Resembles Natural RNA Splicing. <i>Biochemistry</i> , 2006, 45, 2767-2771.	1.2	32
25	Cell Cycle Regulation by microRNAs in Stem Cells. <i>Results and Problems in Cell Differentiation</i> , 2011, 53, 459-472.	0.2	31
26	Dgcr8 knockout approaches to understand microRNA functions in vitro and in vivo. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 1697-1711.	2.4	28
27	Danshen→Enhanced Cardioprotective Effect of Cardioplegia on Ischemia Reperfusion Injury in a Human→Induced Pluripotent Stem Cell→Derived Cardiomyocytes Model. <i>Artificial Organs</i> , 2017, 41, 452-460.	1.0	22
28	Large Noncoding RNAs Are Promising Regulators in Embryonic Stem Cells. <i>Journal of Genetics and Genomics</i> , 2015, 42, 99-105.	1.7	19
29	A DGCR8-Independent Stable MicroRNA Expression Strategy Reveals Important Functions of miR-290 and miR-183→182 Families in Mouse Embryonic Stem Cells. <i>Stem Cell Reports</i> , 2017, 9, 1618-1629.	2.3	17
30	Efficient RNA 5'-adenylation by T4 DNA ligase to facilitate practical applications. <i>Rna</i> , 2006, 12, 1142-1146.	1.6	16
31	Micro-management of pluripotent stem cells. <i>Protein and Cell</i> , 2014, 5, 36-47.	4.8	16
32	Opposing roles of miR→294 and <i>MBNL</i> 1/2 in shaping the gene regulatory network of embryonic stem cells. <i>EMBO Reports</i> , 2018, 19, .	2.0	15
33	Dgcr8 deletion in the primitive heart uncovered novel microRNA regulating the balance of cardiac-vascular gene program. <i>Protein and Cell</i> , 2019, 10, 327-346.	4.8	14
34	Experimental Tests of Two Proofreading Mechanisms for 5'→2-Splice Site Selection. <i>ACS Chemical Biology</i> , 2006, 1, 316-324.	1.6	12
35	Significant differences of function and expression of microRNAs between ground state and serum-cultured pluripotent stem cells. <i>Journal of Genetics and Genomics</i> , 2017, 44, 179-189.	1.7	12
36	A general two-step strategy to synthesize lariat RNAs. <i>Rna</i> , 2005, 12, 313-321.	1.6	10

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37	Pathogenic mechanism and gene correction for LQTS-causing double mutations in KCNQ1 using a pluripotent stem cell model. <i>Stem Cell Research</i> , 2019, 38, 101483.	0.3	9
38	Cellular redox state as a critical factor in initiating early embryonic-like program in embryonic stem cells. <i>Cell Discovery</i> , 2019, 5, 59.	3.1	7
39	Controlling CRISPR-Cas9 by guide RNA engineering. <i>Wiley Interdisciplinary Reviews RNA</i> , 2023, 14, e1731.	3.2	6
40	KLF17 promotes human naive pluripotency through repressing MAPK3 and ZIC2. <i>Science China Life Sciences</i> , 2022, 65, 1985-1997.	2.3	6
41	KLF3 promotes the cell-like transcriptional state in pluripotent stem cells. <i>Cell Proliferation</i> , 2020, 53, e12914.	2.4	4
42	Acidic pH transiently prevents the silencing of self-renewal and dampens microRNA function in embryonic stem cells. <i>Science Bulletin</i> , 2021, 66, 1319-1329.	4.3	4
43	Functional Dissection of pri-miR-290~295 in Dgcr8 Knockout Mouse Embryonic Stem Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4345.	1.8	3
44	Monitoring the promoter activity of long noncoding RNAs and stem cell differentiation through knock-in of sgRNA flanked by tRNA in an intron. <i>Cell Discovery</i> , 2021, 7, 45.	3.1	3
45	microRNA regulation of pluripotent state transition. <i>Essays in Biochemistry</i> , 2020, 64, 947-954.	2.1	2