Chen-Yu Zhang

List of Publications by Year
in descending order

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198 papers	24,849 citations	13099 68 h-index	7160 153 g-index
202 all docs	202 docs citations	202 times ranked	32575 citing authors

#	Article	IF	Citations
1	Characterization of microRNAs in serum: a novel class of biomarkers for diagnosis of cancer and other diseases. Cell Research, 2008, 18, 997-1006.	12.0	4,084
2	Transcriptional co-activator PGC-1Î± drives the formation of slow-twitch muscle fibres. Nature, 2002, 418, 797-801.	27.8	2,232
3	Secreted Monocytic miR-150 Enhances Targeted Endothelial Cell Migration. Molecular Cell, 2010, 39, 133-144.	9.7	1,059
4	Exogenous plant MIR168a specifically targets mammalian LDLRAP1: evidence of cross-kingdom regulation by microRNA. Cell Research, 2012, 22, 107-126.	12.0	921
5	Uncoupling Protein-2 Negatively Regulates Insulin Secretion and Is a Major Link between Obesity, Î² Cell Dysfunction, and Type 2 Diabetes. Cell, 2001, 105, 745-755.	28.9	867
6	Secreted microRNAs: a new form of intercellular communication. Trends in Cell Biology, 2012, 22, 125-132.	7.9	668
7	Cytokine Stimulation of Energy Expenditure through p38 MAP Kinase Activation of PPARÎ³ Coactivator-1. Molecular Cell, 2001, 8, 971-982.	9.7	661
8	BAD and glucokinase reside in a mitochondrial complex that integrates glycolysis and apoptosis. Nature, 2003, 424, 952-956.	27.8	630
9	Serum microRNA Profiles Serve as Novel Biomarkers for HBV Infection and Diagnosis of HBV-Positive Hepatocarcinoma. Cancer Research, 2010, 70, 9798-9807.	0.9	430
10	Circulating MicroRNAs: a novel class of biomarkers to diagnose and monitor human cancers. Medicinal Research Reviews, 2012, 32, 326-348.	10.5	416
11	A five-microRNA signature identified from genome-wide serum microRNA expression profiling serves as a fingerprint for gastric cancer diagnosis. European Journal of Cancer, 2011, 47, 784-791.	2.8	385
12	Honeysuckle-encoded atypical microRNA2911 directly targets influenza A viruses. Cell Research, 2015, 25, 39-49.	12.0	352
13	Identification and characterization of microRNAs in raw milk during different periods of lactation, commercial fluid, and powdered milk products. Cell Research, 2010, 20, 1128-1137.	12.0	314
14	Expression Profile of MicroRNAs in Serum: A Fingerprint for Esophageal Squamous Cell Carcinoma. Clinical Chemistry, 2010, 56, 1871-1879.	3.2	294
15	Dual role of proapoptotic BAD in insulin secretion and beta cell survival. Nature Medicine, 2008, 14, 144-153.	30.7	285
16	Extracellular Vesicles: Novel Mediators of Cell Communication In Metabolic Disease. Trends in Endocrinology and Metabolism, 2017, 28, 3-18.	7.1	268
17	Identification of ten serum microRNAs from a genomeâ€wide serum microRNA expression profile as novel noninvasive biomarkers for nonsmall cell lung cancer diagnosis. International Journal of Cancer, 2012, 130, 1620-1628.	5.1	251
18	Tumor-secreted miR-214 induces regulatory T cells: a major link between immune evasion and tumor growth. Cell Research, 2014, 24, 1164-1180.	12.0	235

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19	Horizontal transfer of microRNAs: molecular mechanisms and clinical applications. Protein and Cell, 2012, 3, 28-37.	11.0	223
20	Targeted exosome-mediated delivery of opioid receptor Mu siRNA for the treatment of morphine relapse. Scientific Reports, 2015, 5, 17543.	3.3	220
21	Altered Profile of Seminal Plasma MicroRNAs in the Molecular Diagnosis of Male Infertility. Clinical Chemistry, 2011, 57, 1722-1731.	3.2	217
22	Pyruvate kinase type M2 promotes tumour cell exosome release via phosphorylating synaptosome-associated protein 23. Nature Communications, 2017, 8, 14041.	12.8	210
23	Platelet-Secreted MicroRNA-223 Promotes Endothelial Cell Apoptosis Induced by Advanced Glycation End Products via Targeting the Insulin-like Growth Factor 1 Receptor. Journal of Immunology, 2014, 192, 437-446.	0.8	207
24	MiR-26 enhances chemosensitivity and promotes apoptosis of hepatocellular carcinoma cells through inhibiting autophagy. Cell Death and Disease, 2018, 8, e2540-e2540.	6.3	186
25	Microvesicle-mediated Transfer of MicroRNA-150 from Monocytes to Endothelial Cells Promotes Angiogenesis. Journal of Biological Chemistry, 2013, 288, 23586-23596.	3.4	178
26	Argonaute 2 Complexes Selectively Protect the Circulating MicroRNAs in Cell-Secreted Microvesicles. PLoS ONE, 2012, 7, e46957.	2.5	177
27	Mouse miRNA-709 directly regulates miRNA-15a/16-1 biogenesis at the posttranscriptional level in the nucleus: evidence for a microRNA hierarchy system. Cell Research, 2012, 22, 504-515.	12.0	173
28	Identification of seven serum microRNAs from a genomeâ€wide serum microRNA expression profile as potential noninvasive biomarkers for malignant astrocytomas. International Journal of Cancer, 2013, 132, 116-127.	5.1	173
29	Differential expression of microRNAs in mouse liver under aberrant energy metabolic status. Journal of Lipid Research, 2009, 50, 1756-1765.	4.2	168
30	MicroRNA-155 and MicroRNA-21 Promote the Expansion of Functional Myeloid-Derived Suppressor Cells. Journal of Immunology, 2014, 192, 1034-1043.	0.8	164
31	Serum MicroRNA Profiles Serve as Novel Biomarkers for the Diagnosis of Alzheimerâ€™s Disease. Disease Markers, 2015, 2015, 1-11.	1.3	158
32	miR-143 and miR-145 synergistically regulate ERBB3 to suppress cell proliferation and invasion in breast cancer. Molecular Cancer, 2014, 13, 220.	19.2	145
33	MicroRNA-223 delivered by platelet-derived microvesicles promotes lung cancer cell invasion via targeting tumor suppressor EPB41L3. Molecular Cancer, 2015, 14, 58.	19.2	145
34	Effective detection and quantification of dietetically absorbed plant microRNAs in human plasma. Journal of Nutritional Biochemistry, 2015, 26, 505-512.	4.2	137
35	Identification of mouse liver mitochondria-associated miRNAs and their potential biological functions. Cell Research, 2010, 20, 1076-1078.	12.0	135
36	Suppression of Î² Cell Energy Metabolism and Insulin Release by PGC-1Î±. Developmental Cell, 2003, 5, 73-83.	7.0	134

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37	MicroRNA-19b/221/222 induces endothelial cell dysfunction via suppression of PGC-1Î± in the progression of atherosclerosis. Atherosclerosis, 2015, 241, 671-681.	0.8	125
38	Plant microRNAs in larval food regulate honeybee caste development. PLoS Genetics, 2017, 13, e1006946.	3.5	123
39	Importin 8 Regulates the Transport of Mature MicroRNAs into the Cell Nucleus. Journal of Biological Chemistry, 2014, 289, 10270-10275.	3.4	119
40	Comparison of commercial exosome isolation kits for circulating exosomal microRNA profiling. Analytical and Bioanalytical Chemistry, 2018, 410, 3805-3814.	3.7	118
41	A panel of five serum miRNAs as a potential diagnostic tool for early-stage renal cell carcinoma. Scientific Reports, 2015, 5, 7610.	3.3	116
42	Microvesicle-delivery miR-150 promotes tumorigenesis by up-regulating VEGF, and the neutralization of miR-150 attenuate tumor development. Protein and Cell, 2013, 4, 932-941.	11.0	110
43	Role of miRâ€150â€targeting câ€Myb in colonic epithelial disruption during dextran sulphate sodiumâ€induced murine experimental colitis and human ulcerative colitis. Journal of Pathology, 2011, 225, 544-553.	4.5	106
44	Hepatitis B virus-human chimeric transcript HBx-LINE1 promotes hepatic injury via sequestering cellular microRNA-122. Journal of Hepatology, 2016, 64, 278-291.	3.7	105
45	MiR-143 and MiR-145 Regulate IGF1R to Suppress Cell Proliferation in Colorectal Cancer. PLoS ONE, 2014, 9, e114420.	2.5	104
46	miR-150 promotes the proliferation and migration of lung cancer cells by targeting SRC kinase signalling inhibitor 1. European Journal of Cancer, 2014, 50, 1013-1024.	2.8	103
47	A panel of four decreased serum microRNAs as a novel biomarker for early Parkinsonâ€™s disease. Biomarkers, 2016, 21, 129-137.	1.9	101
48	Microvesicle-mediated delivery of transforming growth factor Î²1ÂsiRNA for the suppression of tumor growth in mice. Biomaterials, 2014, 35, 4390-4400.	11.4	97
49	Increased Serum and Urinary MicroRNAs in Children with Idiopathic Nephrotic Syndrome. Clinical Chemistry, 2013, 59, 658-666.	3.2	96
50	Absorbed plant MIR2911 in honeysuckle decoction inhibits SARS-CoV-2 replication and accelerates the negative conversion of infected patients. Cell Discovery, 2020, 6, 54.	6.7	96
51	Diagnostic and Prognostic Implications of a Serum miRNA Panel in Oesophageal Squamous Cell Carcinoma. PLoS ONE, 2014, 9, e92292.	2.5	94
52	An engineered exosome for delivering sgRNA:Cas9 ribonucleoprotein complex and genome editing in recipient cells. Biomaterials Science, 2020, 8, 2966-2976.	5.4	94
53	Increased serum microRNAs are closely associated with the presence of microvascular complications in type 2 diabetes mellitus. Scientific Reports, 2016, 6, 20032.	3.3	93
54	A Combination of Let-7d, Let-7g and Let-7i Serves as a Stable Reference for Normalization of Serum microRNAs. PLoS ONE, 2013, 8, e79652.	2.5	93

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55	miR-96 promotes cell proliferation, migration and invasion by targeting PTPN9 in breast cancer. Scientific Reports, 2016, 6, 37421.	3.3	92
56	miR-124-3p functions as a tumor suppressor in breast cancer by targeting CBL. BMC Cancer, 2016, 16, 826.	2.6	91
57	Hypoxia induces PGC-1Î± expression and mitochondrial biogenesis in the myocardium of TOF patients. Cell Research, 2010, 20, 676-687.	12.0	89
58	In Vitro Evidence Suggests That miR-133a-mediated Regulation of Uncoupling Protein 2 (UCP2) Is an Indispensable Step in Myogenic Differentiation. Journal of Biological Chemistry, 2009, 284, 5362-5369.	3.4	86
59	Heterochromatin Protein HP1Î³ Promotes Colorectal Cancer Progression and Is Regulated by miR-30a. Cancer Research, 2015, 75, 4593-4604.	0.9	85
60	miR-193a-3p Functions as a Tumor Suppressor in Lung Cancer by Down-regulating ERBB4. Journal of Biological Chemistry, 2015, 290, 926-940.	3.4	83
61	Shikonin Inhibits the Proliferation of Human Breast Cancer Cells by Reducing Tumor-Derived Exosomes. Molecules, 2016, 21, 777.	3.8	82
62	Role of MicroRNA-214â€“Targeting Phosphatase and Tensin Homolog in Advanced Glycation End Product-Induced Apoptosis Delay in Monocytes. Journal of Immunology, 2011, 186, 2552-2560.	0.8	81
63	Small non-coding RNAs transfer through mammalian placenta and directly regulate fetal gene expression. Protein and Cell, 2015, 6, 391-396.	11.0	77
64	Identification and Characterization of 293T Cell-Derived Exosomes by Profiling the Protein, mRNA and MicroRNA Components. PLoS ONE, 2016, 11, e0163043.	2.5	77
65	New roles for microRNAs in cross-species communication. RNA Biology, 2013, 10, 367-370.	3.1	75
66	Serum miRNA expression profile as a prognostic biomarker of stage II/III colorectal adenocarcinoma. Scientific Reports, 2015, 5, 12921.	3.3	75
67	The potential atheroprotective role of plant MIR156a as a repressor of monocyte recruitment on inflamed human endothelial cells. Journal of Nutritional Biochemistry, 2018, 57, 197-205.	4.2	74
68	miR-203 Suppresses the Proliferation and Migration and Promotes the Apoptosis of Lung Cancer Cells by Targeting SRC. PLoS ONE, 2014, 9, e105570.	2.5	73
69	SIDT1-dependent absorption in the stomach mediates host uptake of dietary and orally administered microRNAs. Cell Research, 2021, 31, 247-258.	12.0	73
70	A Five-miRNA Panel Identified From a Multicentric Caseâ€“control Study Serves as a Novel Diagnostic Tool for Ethnically Diverse Non-small-cell Lung Cancer Patients. EBioMedicine, 2015, 2, 1377-1385.	6.1	72
71	miR-203 Inhibits Cell Proliferation and Migration of Lung Cancer Cells by Targeting PKCÎ±. PLoS ONE, 2013, 8, e73985.	2.5	72
72	Tumor-suppressive miR-218-5p inhibits cancer cell proliferation and migration via EGFR in non-small cell lung cancer. Oncotarget, 2016, 7, 28075-28085.	1.8	71

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73	NatD promotes lung cancer progression by preventing histone H4 serine phosphorylation to activate Slug expression. Nature Communications, 2017, 8, 928.	12.8	69
74	miR-23a/b promote tumor growth and suppress apoptosis by targeting PDCD4 in gastric cancer. Cell Death and Disease, 2017, 8, e3059-e3059.	6.3	69
75	A Panel of Serum MicroRNAs as Specific Biomarkers for Diagnosis of Compound- and Herb-Induced Liver Injury in Rats. PLoS ONE, 2012, 7, e37395.	2.5	67
76	MicroRNA-193a-3p Reduces Intestinal Inflammation in Response to Microbiota via Down-regulation of Colonic PepT1. Journal of Biological Chemistry, 2015, 290, 16099-16115.	3.4	67
77	Systematic characterization of seminal plasma piRNAs as molecular biomarkers for male infertility. Scientific Reports, 2016, 6, 24229.	3.3	66
78	Human cytomegalovirus reprogrammes haematopoietic progenitor cells into immunosuppressive monocytes to achieve latency. Nature Microbiology, 2018, 3, 503-513.	13.3	66
79	miR-21â€“Containing Microvesicles from Injured Tubular Epithelial Cells Promote Tubular Phenotype Transition by Targeting PTEN Protein. American Journal of Pathology, 2013, 183, 1183-1196.	3.8	65
80	MiR-193a-3p is an Important Tumour Suppressor in Lung Cancer and Directly Targets KRAS. Cellular Physiology and Biochemistry, 2017, 44, 1311-1324.	1.6	64
81	H5N1 influenza virus-specific miRNA-like small RNA increases cytokine production and mouse mortality via targeting poly(rC)-binding protein 2. Cell Research, 2018, 28, 157-171.	12.0	63
82	miR-28-5p acts as a tumor suppressor in renal cell carcinoma for multiple antitumor effects by targeting RAP1B. Oncotarget, 2016, 7, 73888-73902.	1.8	62
83	Nuclear microRNAs and their unconventional role in regulating non-coding RNAs. Protein and Cell, 2013, 4, 325-330.	11.0	61
84	MiR-29b suppresses the proliferation and migration of osteosarcoma cells by targeting CDK6. Protein and Cell, 2016, 7, 434-444.	11.0	61
85	MicroRNA-196a/b Mitigate Renal Fibrosis by Targeting TGF-Î² Receptor 2. Journal of the American Society of Nephrology: JASN, 2016, 27, 3006-3021.	6.1	61
86	miR-19b downregulates intestinal SOCS3 to reduce intestinal inflammation in Crohnâ€™s disease. Scientific Reports, 2015, 5, 10397.	3.3	60
87	Injured liver-released miRNA-122 elicits acute pulmonary inflammation via activating alveolar macrophage TLR7 signaling pathway. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6162-6171.	7.1	60
88	Secreted miR-34a in astrocytic shedding vesicles enhanced the vulnerability of dopaminergic neurons to neurotoxins by targeting Bcl-2. Protein and Cell, 2015, 6, 529-540.	11.0	58
89	miR-181b functions as an oncomiR in colorectal cancer by targeting PDCD4. Protein and Cell, 2016, 7, 722-734.	11.0	58
90	In vivo self-assembled small RNAs as a new generation of RNAi therapeutics. Cell Research, 2021, 31, 631-648.	12.0	56

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91	Reply to Lack of detectable oral bioavailability of plant microRNAs after feeding in mice. Nature Biotechnology, 2013, 31, 967-969.	17.5	55
92	Slug-upregulated miR-221 promotes breast cancer progression through suppressing E-cadherin expression. Scientific Reports, 2016, 6, 25798.	3.3	55
93	Fasting induces a subcutaneous-to-visceral fat switch mediated by microRNA-149-3p and suppression of PRDM16. Nature Communications, 2016, 7, 11533.	12.8	55
94	Human Cytomegalovirus miR-UL148D Facilitates Latent Viral Infection by Targeting Host Cell Immediate Early Response Gene 5. PLoS Pathogens, 2016, 12, e1006007.	4.7	54
95	MicroRNA-495 induces breast cancer cell migration by targeting JAM-A. Protein and Cell, 2014, 5, 862-872.	11.0	53
96	Characterization of a novel panel of plasma microRNAs that discriminates between Mycobacterium tuberculosis infection and healthy individuals. PLoS ONE, 2017, 12, e0184113.	2.5	53
97	MiRâ€125aâ€5p functions as a tumour suppressor in breast cancer by downregulating BAP1. Journal of Cellular Biochemistry, 2018, 119, 8773-8783.	2.6	53
98	Sperm microRNAs confer depression susceptibility to offspring. Science Advances, 2021, 7, .	10.3	53
99	Oncogenic miR-19a and miR-19b co-regulate tumor suppressor MTUS1 to promote cell proliferation and migration in lung cancer. Protein and Cell, 2017, 8, 455-466.	11.0	52
100	Silencing miR-106b accelerates osteogenesis of mesenchymal stem cells and rescues against glucocorticoid-induced osteoporosis by targeting BMP2. Bone, 2017, 97, 130-138.	2.9	51
101	PGC-1Î± Is a Key Regulator of Glucose-Induced Proliferation and Migration in Vascular Smooth Muscle Cells. PLoS ONE, 2009, 4, e4182.	2.5	50
102	Increased urinary exosomal microRNAs in children with idiopathic nephrotic syndrome. EBioMedicine, 2019, 39, 552-561.	6.1	49
103	Nuclear miR-122 directly regulates the biogenesis of cell survival oncomiR miR-21 at the posttranscriptional level. Nucleic Acids Research, 2018, 46, 2012-2029.	14.5	48
104	Identification of miRNAs that are associated with tumor metastasis in Neuroblastoma. Cancer Biology and Therapy, 2010, 9, 446-452.	3.4	47
105	Diet-derived microRNAs: unicorn or silver bullet?. Genes and Nutrition, 2017, 12, 15.	2.5	47
106	Brain-selective Kinase 2 (BRSK2) Phosphorylation on PCTAIRE1 Negatively Regulates Glucose-stimulated Insulin Secretion in Pancreatic Î²-Cells. Journal of Biological Chemistry, 2012, 287, 30368-30375.	3.4	46
107	An Ebola virus-encoded microRNA-like fragment serves as a biomarker for early diagnosis of Ebola virus disease. Cell Research, 2016, 26, 380-383.	12.0	46
108	Time-course responses of circulating microRNAs to three resistance training protocols in healthy young men. Scientific Reports, 2017, 7, 2203.	3.3	46

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109	Increased serum miR-7 is a promising biomarker for type 2 diabetes mellitus and its microvascular complications. Diabetes Research and Clinical Practice, 2017, 130, 171-179.	2.8	46
110	miR-10a inhibits cell proliferation and promotes cell apoptosis by targeting BCL6 in diffuse large B-cell lymphoma. Protein and Cell, 2016, 7, 899-912.	11.0	45
111	Decreased inhibition of exosomal miRNAs on SARS-CoV-2 replication underlies poor outcomes in elderly people and diabetic patients. Signal Transduction and Targeted Therapy, 2021, 6, 300.	17.1	44
112	A pilot study of serum microRNA signatures as a novel biomarker for occult hepatitis B virus infection. Medical Microbiology and Immunology, 2012, 201, 389-395.	4.8	43
113	miR-16 promotes the apoptosis of human cancer cells by targeting FEAT. BMC Cancer, 2015, 15, 448.	2.6	41
114	Free fatty acids increase PGC-1Î± expression in isolated rat islets. FEBS Letters, 2005, 579, 1446-1452.	2.8	40
115	miR-135b Promotes Cancer Progression by Targeting Transforming Growth Factor Beta Receptor II (TGFBR2) in Colorectal Cancer. PLoS ONE, 2015, 10, e0130194.	2.5	40
116	Argonaute 2 in Cell-Secreted Microvesicles Guides the Function of Secreted miRNAs in Recipient Cells. PLoS ONE, 2014, 9, e103599.	2.5	39
117	Small Molecule Inhibitor of Myogenic microRNAs Leads to a Discovery of miR-221/222-myoD-myomiRs Regulatory Pathway. Chemistry and Biology, 2014, 21, 1265-1270.	6.0	39
118	Regulation of mammalian gene expression by exogenous microRNAs. Wiley Interdisciplinary Reviews RNA, 2012, 3, 733-742.	6.4	38
119	Dietary microRNAâ€"A Novel Functional Component of Food. Advances in Nutrition, 2019, 10, 711-721.	6.4	38
120	Salmonella produce microRNA-like RNA fragment Sal-1 in the infected cells to facilitate intracellular survival. Scientific Reports, 2017, 7, 2392.	3.3	37
121	MicroRNA-128-3p regulates mitomycin C-induced DNA damage response in lung cancer cells through repressingSPTAN1. Oncotarget, 2017, 8, 58098-58107.	1.8	37
122	Protein Tyrosine Phosphatase 1B Impairs Diabetic Wound Healing Through Vascular Endothelial Growth Factor Receptor 2 Dephosphorylation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 163-174.	2.4	35
123	PGC-1Î± Inhibits Oleic Acid Induced Proliferation and Migration of Rat Vascular Smooth Muscle Cells. PLoS ONE, 2007, 2, e1137.	2.5	35
124	BAP1 suppresses lung cancer progression and is inhibited by miR-31. Oncotarget, 2016, 7, 13742-13753.	1.8	35
125	Influence of a high-altitude hypoxic environment on human plasma microRNA profiles. Scientific Reports, 2015, 5, 15156.	3.3	34
126	HIC1 and miR-23~27~24 clusters form a double-negative feedback loop in breast cancer. Cell Death and Differentiation, 2017, 24, 421-432.	11.2	34

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127	The E2F1â€“miR-520/372/373â€“SPOP Axis Modulates Progression of Renal Carcinoma. Cancer Research, 2018, 78, 6771-6784.	0.9	33
128	Altered profile of serum <scp>microRNAs</scp> in pancreatic cancerâ€associated newâ€onset diabetes mellitus. Journal of Diabetes, 2016, 8, 422-433.	1.8	32
129	Islet Î² cell: An endocrine cell secreting miRNAs. Biochemical and Biophysical Research Communications, 2018, 495, 1648-1654.	2.1	32
130	Protein Tyrosine Phosphatase 1B Deficiency Ameliorates Murine Experimental Colitis via the Expansion of Myeloid-Derived Suppressor Cells. PLoS ONE, 2013, 8, e70828.	2.5	31
131	Role of Myeloid-Derived Suppressor Cells in Glucocorticoid-Mediated Amelioration of FSGS. Journal of the American Society of Nephrology: JASN, 2015, 26, 2183-2197.	6.1	31
132	The protective role of myeloid-derived suppressor cells in concanavalin A-induced hepatic injury. Protein and Cell, 2014, 5, 714-724.	11.0	30
133	Norathyriol reverses obesity- and high-fat-diet-induced insulin resistance in mice through inhibition of PTP1B. Diabetologia, 2014, 57, 2145-2154.	6.3	30
134	3â€²-Terminal 2â€²-O-methylation of lung cancer miR-21-5p enhances its stability and association with ArgonauteÂ2. Nucleic Acids Research, 2020, 48, 7027-7040.	14.5	30
135	Altered serum microRNA expression profile in subjects with heroin and methamphetamine use disorder. Biomedicine and Pharmacotherapy, 2020, 125, 109918.	5.6	30
136	NMDA Receptor Dependent PGC-1Î± Up-Regulation Protects the Cortical Neuron Against Oxygen-Glucose Deprivation/Reperfusion Injury. Journal of Molecular Neuroscience, 2009, 39, 262-268.	2.3	29
137	Distinct expression profile of HCMV encoded miRNAs in plasma from oral lichen planus patients. Journal of Translational Medicine, 2017, 15, 133.	4.4	29
138	Let-7f-5p suppresses Th17 differentiation via targeting STAT3 in multiple sclerosis. Aging, 2019, 11, 4463-4477.	3.1	29
139	Elevation of Circulating miR-210-3p in High-Altitude Hypoxic Environment. Frontiers in Physiology, 2016, 7, 84.	2.8	28
140	MiRNA-203 suppresses tumor cell proliferation, migration and invasion by targeting Slug in gastric cancer. Protein and Cell, 2016, 7, 383-387.	11.0	28
141	PGC-1Î± over-expression suppresses the skeletal muscle atrophy and myofiber-type composition during hindlimb unloading. Bioscience, Biotechnology and Biochemistry, 2017, 81, 500-513.	1.3	28
142	Gonadal white adipose tissue-derived exosomal MiR-222 promotes obesity-associated insulin resistance. Aging, 2020, 12, 22719-22743.	3.1	28
143	A universal activator of microRNAs identified from photoreaction products. Chemical Communications, 2012, 48, 6432.	4.1	26
144	Plant-derived RNAi therapeutics: A strategic inhibitor of HBsAg. Biomaterials, 2019, 210, 83-93.	11.4	26

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145	A virus-derived microRNA-like small RNA serves as a serum biomarker to prioritize the COVID-19 patients at high risk of developing severe disease. Cell Discovery, 2021, 7, 48.	6.7	26
146	MiR-19b suppresses PTPRG to promote breast tumorigenesis. Oncotarget, 2016, 7, 64100-64108.	1.8	25
147	Role of miR-17 Family in the Negative Feedback Loop of Bone Morphogenetic Protein Signaling in Neuron. PLoS ONE, 2013, 8, e83067.	2.5	24
148	LYAR promotes colorectal cancer cell mobility by activating galectin-1 expression. Oncotarget, 2015, 6, 32890-32901.	1.8	24
149	ING5 suppresses breast cancer progression and is regulated by miR-24. Molecular Cancer, 2017, 16, 89.	19.2	24
150	The PGC-1Î±/NRF1/miR-378a axis protects vascular smooth muscle cells from FFA-induced proliferation, migration and inflammation in atherosclerosis. Atherosclerosis, 2020, 297, 136-145.	0.8	24
151	A Novel Role for MiR-520a-3p in Regulating EGFR Expression in Colorectal Cancer. Cellular Physiology and Biochemistry, 2017, 42, 1559-1574.	1.6	22
152	The inhibitory effect of dexamethasone on platelet-derived growth factor-induced vascular smooth muscle cell migration through up-regulating PGC-1Î± expression. Experimental Cell Research, 2011, 317, 1083-1092.	2.6	21
153	Decreased miRâ€200aâ€3p is a key regulator of renal carcinoma growth and migration by directly targeting CBL. Journal of Cellular Biochemistry, 2018, 119, 9974-9985.	2.6	21
154	Altered Serum MicroRNA Profile May Serve as an Auxiliary Tool for Discriminating Aggressive Thyroid Carcinoma from Nonaggressive Thyroid Cancer and Benign Thyroid Nodules. Disease Markers, 2019, 2019, 1-11.	1.3	21
155	Long Noncoding RNA CTD-2245E15.3 Promotes Anabolic Enzymes ACC1 and PC to Support Nonâ€“Small Cell Lung Cancer Growth. Cancer Research, 2021, 81, 3509-3524.	0.9	21
156	Multiâ€Functional Peptideâ€“MicroRNA Nanocomplex for Targeted MicroRNA Delivery and Function Imaging. Chemistry - A European Journal, 2018, 24, 2277-2285.	3.3	20
157	Molecular modeling of BAD complex resided in a mitochondrion integrating glycolysis and apoptosis. Journal of Theoretical Biology, 2010, 266, 231-241.	1.7	19
158	17Î²-Estradiol inhibits oleic acid-induced rat VSMC Proliferation and migration by restoring PGC-1Î± expression. Molecular and Cellular Endocrinology, 2010, 315, 74-80.	3.2	19
159	Small molecular inhibitors of miR-1 identified from photocycloadducts of acetylenes with 2-methoxy-1,4-naphthalenequinone. Bioorganic and Medicinal Chemistry, 2013, 21, 6124-6131.	3.0	19
160	Smallâ€Molecule Regulators of MicroRNAs in Biomedicine. Drug Development Research, 2015, 76, 375-381.	2.9	18
161	Circulating human cytomegalovirus-encoded HCMV-miR-US4-1 as an indicator for predicting the efficacy of IFNÎ± treatment in chronic hepatitis B patients. Scientific Reports, 2016, 6, 23007.	3.3	18
162	Characterization of serum miRNAs as molecular biomarkers for acute Stanford type A aortic dissection diagnosis. Scientific Reports, 2017, 7, 13659.	3.3	18

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163	mirTrans: a resource of transcriptional regulation on microRNAs for human cell lines. Nucleic Acids Research, 2018, 46, D168-D174.	14.5	18
164	Comprehensive Evolutionary Analysis of the Major RNA-Induced Silencing Complex Members. Scientific Reports, 2018, 8, 14189.	3.3	18
165	Intestinal epithelial PKM2 serves as a safeguard against experimental colitis via activating Î²-catenin signaling. Mucosal Immunology, 2019, 12, 1280-1290.	6.0	18
166	Decreased HD-MIR2911 absorption in human subjects with the SIDT1 polymorphism fails to inhibit SARS-CoV-2 replication. Cell Discovery, 2020, 6, 63.	6.7	18
167	Peroxisome proliferator-activated receptor gamma coactivator-1 alpha acts as a tumor suppressor in hepatocellular carcinoma. Tumor Biology, 2017, 39, 101042831769503.	1.8	17
168	Diphthamide Biosynthesis 1 is a Novel Oncogene in Colorectal Cancer Cells and is Regulated by MiR-218-5p. Cellular Physiology and Biochemistry, 2017, 44, 505-514.	1.6	17
169	The Transcription Factor C-Myc Suppresses MiR-23b and MiR-27b Transcription during Fetal Distress and Increases the Sensitivity of Neurons to Hypoxia-Induced Apoptosis. PLoS ONE, 2015, 10, e0120217.	2.5	16
170	Mitochondrial uncoupling protein 2 protects splenocytes from oxidative stress-induced apoptosis during pathogen activation. Cellular Immunology, 2013, 286, 39-44.	3.0	15
171	Down-Regulation of Platelet Surface CD47 Expression in Escherichia coli O157:H7 Infection-Induced Thrombocytopenia. PLoS ONE, 2009, 4, e7131.	2.5	15
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