Da-Zhi Wang

List of Publications by Citations

93 papers	11,240 citations	43 h-index	104 g-index
104 ext. papers	12,581 ext. citations	10.6 avg, IF	5.98 L-index

#	Paper	IF	Citations
93	The role of microRNA-1 and microRNA-133 in skeletal muscle proliferation and differentiation. *Nature Genetics*, **2006**, 38, 228-33	36.3	2164
92	Activation of cardiac gene expression by myocardin, a transcriptional cofactor for serum response factor. *Cell*, **2001**, 105, 851-62	56.2	727
91	MicroRNA-208a is a regulator of cardiac hypertrophy and conduction in mice. *Journal of Clinical Investigation*, **2009**, 119, 2772-86	15.9	650
90	Modeling the mitochondrial cardiomyopathy of Barth syndrome with induced pluripotent stem cell and heart-on-chip technologies. *Nature Medicine*, **2014**, 20, 616-23	50.5	604
89	Targeted deletion of Dicer in the heart leads to dilated cardiomyopathy and heart failure. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 2111-6	11.5	484
88	Myocardin and ternary complex factors compete for SRF to control smooth muscle gene expression. *Nature*, **2004**, 428, 185-9	50.4	455
87	microRNA-1 and microRNA-206 regulate skeletal muscle satellite cell proliferation and differentiation by repressing Pax7. *Journal of Cell Biology*, **2010**, 190, 867-79	7.3	436
86	Myocardin is a master regulator of smooth muscle gene expression. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 7129-34	11.5	420
85	Expression of microRNAs is dynamically regulated during cardiomyocyte hypertrophy. *Journal of Molecular and Cellular Cardiology*, **2007**, 42, 1137-41	5.8	382
84	Potentiation of serum response factor activity by a family of myocardin-related transcription factors. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 14855-60	11.5	382
83	LincRNA-p21 regulates neointima formation, vascular smooth muscle cell proliferation, apoptosis, and atherosclerosis by enhancing p53 activity. *Circulation*, **2014**, 130, 1452-1465	16.7	357
82	mir-17-92 cluster is required for and sufficient to induce cardiomyocyte proliferation in postnatal and adult hearts. *Circulation Research*, **2013**, 112, 1557-66	15.7	284
81	The serum response factor coactivator myocardin is required for vascular smooth muscle development. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 9366-70	11.5	283
80	Cardiac-specific YAP activation improves cardiac function and survival in an experimental murine MI model. *Circulation Research*, **2014**, 115, 354-63	15.7	239
79	MicroRNA-22 regulates cardiac hypertrophy and remodeling in response to stress. *Circulation Research*, **2013**, 112, 1234-43	15.7	207
78	The MEF2D transcription factor mediates stress-dependent cardiac remodeling in mice. *Journal of Clinical Investigation*, **2008**, 118, 124-32	15.9	177
77	Control of smooth muscle development by the myocardin family of transcriptional coactivators. *Current Opinion in Genetics and Development*, **2004**, 14, 558-66	4.9	175

76	Pi3kcb links Hippo-YAP and PI3K-AKT signaling pathways to promote cardiomyocyte proliferation and survival. *Circulation Research*, **2015**, 116, 35-45	15.7	172
75	Modulation of smooth muscle gene expression by association of histone acetyltransferases and deacetylases with myocardin. *Molecular and Cellular Biology*, **2005**, 25, 364-76	4.8	142
74	Loss of MicroRNA-155 protects the heart from pathological cardiac hypertrophy. *Circulation Research*, **2014**, 114, 1585-95	15.7	125
73	Myocardin induces cardiomyocyte hypertrophy. *Circulation Research*, **2006**, 98, 1089-97	15.7	125
72	microRNAs and muscle disorders. *Journal of Cell Science*, **2009**, 122, 13-20	5.3	124
71	Muscling through the microRNA world. *Experimental Biology and Medicine*, **2008**, 233, 131-8	3.7	113
70	Therapeutic role of miR-19a/19b in cardiac regeneration and protection from myocardial infarction. *Nature Communications*, **2019**, 10, 1802	17.4	108
69	Induction of microRNA-1 by myocardin in smooth muscle cells inhibits cell proliferation. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2011**, 31, 368-75	9.4	107
68	Non-Coding RNAs Including miRNAs and lncRNAs in Cardiovascular Biology and Disease. *Cells*, **2014** , 3, 883-98	7.9	99
67	Taking microRNAs to heart. *Trends in Molecular Medicine*, **2008**, 14, 254-60	11.5	94
66	Myocardin inhibits cellular proliferation by inhibiting NF-kappaB(p65)-dependent cell cycle progression. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 3362-7	11.5	84
65	microRNAs in cardiovascular development. *Journal of Molecular and Cellular Cardiology*, **2012**, 52, 949-57	5.8	81
64	miR-155 inhibits expression of the MEF2A protein to repress skeletal muscle differentiation. *Journal of Biological Chemistry*, **2011**, 286, 35339-35346	5.4	76
63	Myocardin is a bifunctional switch for smooth versus skeletal muscle differentiation. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 16570-5	11.5	70
62	Loss of microRNAs in neural crest leads to cardiovascular syndromes resembling human congenital heart defects. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2010**, 30, 2575-86	9.4	66
61	Noncoding RNAs, Emerging Regulators of Skeletal Muscle Development and Diseases. *BioMed Research International*, **2015**, 2015, 676575	3	65
60	MicroRNAs in cardiomyocyte development. *Wiley Interdisciplinary Reviews: Systems Biology and Medicine*, **2011**, 3, 183-90	6.6	64
59	MicroRNAs in heart development. *Current Topics in Developmental Biology*, **2012**, 100, 279-317	5.3	62

58	Loss of mXinalpha, an intercalated disk protein, results in cardiac hypertrophy and cardiomyopathy with conduction defects. *American Journal of Physiology - Heart and Circulatory Physiology*, **2007**, 293, H2680-92	5.2	55
57	miR-22 in cardiac remodeling and disease. *Trends in Cardiovascular Medicine*, **2014**, 24, 267-72	6.9	51
56	Target gene-specific modulation of myocardin activity by GATA transcription factors. *Molecular and Cellular Biology*, **2004**, 24, 8519-28	4.8	50
55	Long non-coding RNAs link extracellular matrix gene expression to ischemic cardiomyopathy. *Cardiovascular Research*, **2016**, 112, 543-554	9.9	49
54	Regulation of Skeletal Muscle by microRNAs. *Comprehensive Physiology*, **2016**, 6, 1279-94	7.7	47
53	Mitochondrial Cardiomyopathy Caused by Elevated Reactive Oxygen Species and Impaired Cardiomyocyte Proliferation. *Circulation Research*, **2018**, 122, 74-87	15.7	46
52	Trbp regulates heart function through microRNA-mediated Sox6 repression. *Nature Genetics*, **2015**, 47, 776-83	36.3	44
51	Bone morphogenetic protein signaling modulates myocardin transactivation of cardiac genes. *Circulation Research*, **2005**, 97, 992-1000	15.7	44
50	Transgenic overexpression of miR-133a in skeletal muscle. *BMC Musculoskeletal Disorders*, **2011**, 12, 115	2.8	40
49	Novel Roles of GATA4/6 in the Postnatal Heart Identified through Temporally Controlled, Cardiomyocyte-Specific Gene Inactivation by Adeno-Associated Virus Delivery of Cre Recombinase. *PLoS ONE*, **2015**, 10, e0128105	3.7	33
48	Xin proteins and intercalated disc maturation, signaling and diseases. *Frontiers in Bioscience - Landmark*, **2012**, 17, 2566-93	2.8	33
47	Synergistic activation of cardiac genes by myocardin and Tbx5. *PLoS ONE*, **2011**, 6, e24242	3.7	33
46	EED orchestration of heart maturation through interaction with HDACs is H3K27me3-independent. *ELife*, **2017**, 6,	8.9	30
45	How cardiomyocytes sense pathophysiological stresses for cardiac remodeling. *Cellular and Molecular Life Sciences*, **2017**, 74, 983-1000	10.3	29
44	Loss of microRNA-22 prevents high-fat diet induced dyslipidemia and increases energy expenditure without affecting cardiac hypertrophy. *Clinical Science*, **2017**, 131, 2885-2900	6.5	27
43	Crystallin-B regulates skeletal muscle homeostasis via modulation of argonaute2 activity. *Journal of Biological Chemistry*, **2014**, 289, 17240-8	5.4	26
42	CIP, a cardiac Isl1-interacting protein, represses cardiomyocyte hypertrophy. *Circulation Research*, **2012**, 110, 818-30	15.7	24
41	MicroRNAs in cardiac remodeling and disease. *Journal of Cardiovascular Translational Research*, **2010**, 3, 212-8	3.3	24

40	Cardiomyocyte-enriched protein CIP protects against pathophysiological stresses and regulates cardiac homeostasis. *Journal of Clinical Investigation*, **2015**, 125, 4122-34	15.9	22
39	The myriad essential roles of microRNAs in cardiovascular homeostasis and disease. *Genes and Diseases*, **2014**, 1, 18-39	6.6	21
38	Noncoding RNAs in Cardiovascular Disease: Current Knowledge, Tools and Technologies for Investigation, and Future Directions: A Scientific Statement From the American Heart Association. *Circulation Genomic and Precision Medicine*, **2020**, 13, e000062	5.2	18
37	Non-coding RNAs and exercise: pathophysiological role and clinical application in the cardiovascular system. *Clinical Science*, **2018**, 132, 925-942	6.5	16
36	aYAP modRNA reduces cardiac inflammation and hypertrophy in a murine ischemia-reperfusion model. *Life Science Alliance*, **2020**, 3,	5.8	15
35	An epigenetic "LINK(RNA)" to pathological cardiac hypertrophy. *Cell Metabolism*, **2014**, 20, 555-7	24.6	14
34	MicroRNAs in cardiac regeneration and cardiovascular disease. *Science China Life Sciences*, **2013**, 56, 907-13	8.5	14
33	MicroRNAs in cardiac development and remodeling. *Pediatric Cardiology*, **2010**, 31, 357-62	2.1	14
32	Regulation of myonuclear positioning and muscle function by the skeletal muscle-specific CIP protein. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 19254-19265	11.5	14
31	Build a braveheart: the missing linc (RNA). *Circulation Research*, **2013**, 112, 1532-4	15.7	13
30	LncEGFL7OS regulates human angiogenesis by interacting with MAX at the EGFL7/miR-126 locus. *ELife*, **2019**, 8,	8.9	13
29	tRNA-Derived Small RNAs and Their Potential Roles in Cardiac Hypertrophy. *Frontiers in Pharmacology*, **2020**, 11, 572941	5.6	13
28	Regulation of Cholesterol Homeostasis by a Novel Long Non-coding RNA LASER. *Scientific Reports*, **2019**, 9, 7693	4.9	11
27	Transient exposure to miR-203 enhances the differentiation capacity of established pluripotent stem cells. *EMBO Journal*, **2020**, 39, e104324	13	10
26	Non-coding RNA in Ischemic and Non-ischemic Cardiomyopathy. *Current Cardiology Reports*, **2018**, 20, 115	4.2	10
25	Application of microRNA in cardiac and skeletal muscle disease gene therapy. *Methods in Molecular Biology*, **2011**, 709, 197-210	1.4	9
24	Tiny Regulators of Massive Tissue: MicroRNAs in Skeletal Muscle Development, Myopathies, and Cancer Cachexia. *Frontiers in Oncology*, **2020**, 10, 598964	5.3	9
23	Long noncoding RNA regulates cardiac fibrosis. *Molecular Therapy - Nucleic Acids*, **2021**, 23, 377-392	10.7	9

22	Poly(C)-binding protein 1 (Pcbp1) regulates skeletal muscle differentiation by modulating microRNA processing in myoblasts. *Journal of Biological Chemistry*, **2017**, 292, 9540-9550	5.4	8
21	Transcriptional mechanisms of congenital heart disease. *Drug Discovery Today Disease Mechanisms*, **2005**, 2, 33-38		8
20	Adeno-associated virus-mediated delivery of anti-miR-199a tough decoys attenuates cardiac hypertrophy by targeting. *Molecular Therapy - Nucleic Acids*, **2021**, 23, 406-417	10.7	8
19	The emerging role of microRNAs as a therapeutic target for cardiovascular disease. *BioDrugs*, **2010**, 24, 147-55	7.9	7
18	Loss of Phosphatase and Tensin Homolog Promotes Cardiomyocyte Proliferation and Cardiac Repair After Myocardial Infarction. *Circulation*, **2020**, 142, 2196-2199	16.7	7
17	Micro or mega: how important are microRNAs in muscle?. *Cell Cycle*, **2006**, 5, 1015-6	4.7	6
16	Trbp Is Required for Differentiation of Myoblasts and Normal Regeneration of Skeletal Muscle. *PLoS ONE*, **2016**, 11, e0155349	3.7	6
15	Epsin-mediated degradation of IP3R1 fuels atherosclerosis. *Nature Communications*, **2020**, 11, 3984	17.4	6
14	LncRNA LncHrt preserves cardiac metabolic homeostasis and heart function by modulating the LKB1-AMPK signaling pathway. *Basic Research in Cardiology*, **2021**, 116, 48	11.8	5
13	Non-coding RNAs in cardiac regeneration: Mechanism of action and therapeutic potential. *Seminars in Cell and Developmental Biology*, **2021**, 118, 150-162	7.5	5
12	Preparation of rAAV9 to Overexpress or Knockdown Genes in Mouse Hearts. *Journal of Visualized Experiments*, **2016**,	1.6	4
11	miRNA-22 deletion limits white adipose expansion and activates brown fat to attenuate high-fat diet-induced fat mass accumulation. *Metabolism: Clinical and Experimental*, **2021**, 117, 154723	12.7	4
10	Application of CRISPR-Cas9 gene editing for congenital heart disease. *Clinical and Experimental Pediatrics*, **2021**, 64, 269-279	4.7	4
9	Circular RNA circEsyt2 regulates vascular smooth muscle cell remodeling via splicing regulation.. *Journal of Clinical Investigation*, **2021**, 131,	15.9	4
8	Intercalated disc protein Xinis required for Hippo-YAP signaling in the heart. *Nature Communications*, **2020**, 11, 4666	17.4	3
7	Deletion of miRNA-22 Induces Cardiac Hypertrophy in Females but Attenuates Obesogenic Diet-Mediated Metabolic Disorders. *Cellular Physiology and Biochemistry*, **2020**, 54, 1199-1217	3.9	2
6	Long Non-Coding RNAs in Atrial Fibrillation: Pluripotent Stem Cell-Derived Cardiomyocytes as a Model System. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	2
5	Cardiac CIP protein regulates dystrophic cardiomyopathy. *Molecular Therapy*, **2021**,	11.7	2

4	Generation of a Cre knock-in into the Myocardin locus to mark early cardiac and smooth muscle cell lineages. *Genesis*, **2014**, 52, 879-87	1.9	1
3	TCArGTing for microRNAs. *Gastroenterology*, **2011**, 141, 24-7	13.3	1
2	Transcriptome landscape of the late-stage alcohol-induced osteonecrosis of the human femoral head. *Bone*, **2021**, 150, 116012	4.7	0
1	Cardiac ISL1-Interacting Protein, a Cardioprotective Factor, Inhibits the Transition From Cardiac Hypertrophy to Heart Failure.. *Frontiers in Cardiovascular Medicine*, **2022**, 9, 857049	5.4	