Da-Zhi Wang

List of Publications by Year
in descending order

102 papers	13,599 citations	53660 45 h-index	37111 96 g-index
104 all docs	104 docs citations	104 times ranked	15196 citing authors

#	Article	IF	Citations
1	The role of microRNA-1 and microRNA-133 in skeletal muscle proliferation and differentiation. Nature Genetics, 2006, 38, 228-233.	9.4	2,515
2	Activation of Cardiac Gene Expression by Myocardin, a Transcriptional Cofactor for Serum Response Factor. Cell, 2001, 105, 851-862.	13.5	806
3	MicroRNA-208a is a regulator of cardiac hypertrophy and conduction in mice. Journal of Clinical Investigation, 2009, 119, 2772-2786.	3.9	756
4	Modeling the mitochondrial cardiomyopathy of Barth syndrome with induced pluripotent stem cell and heart-on-chip technologies. Nature Medicine, 2014, 20, 616-623.	15.2	733
5	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, 2111-2116.	3.3	540
6	microRNA-1 and microRNA-206 regulate skeletal muscle satellite cell proliferation and differentiation by repressing Pax7. Journal of Cell Biology, 2010, 190, 867-879.	2.3	530
7	Myocardin and ternary complex factors compete for SRF to control smooth muscle gene expression. Nature, 2004, 428, 185-189.	13.7	511
8	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, 7129-7134.	3.3	465
9	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, 14855-14860.	3.3	429
10	LincRNA-p21 Regulates Neointima Formation, Vascular Smooth Muscle Cell Proliferation, Apoptosis, and Atherosclerosis by Enhancing p53 Activity. Circulation, 2014, 130, 1452-1465.	1.6	425
11	Expression of microRNAs is dynamically regulated during cardiomyocyte hypertrophy. Journal of Molecular and Cellular Cardiology, 2007, 42, 1137-1141.	0.9	417
12	mir-17â€“92 Cluster Is Required for and Sufficient to Induce Cardiomyocyte Proliferation in Postnatal and Adult Hearts. Circulation Research, 2013, 112, 1557-1566.	2.0	348
13	Cardiac-Specific YAP Activation Improves Cardiac Function and Survival in an Experimental Murine MI Model. Circulation Research, 2014, 115, 354-363.	2.0	324
14	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, 9366-9370.	3.3	322
15	MicroRNA-22 Regulates Cardiac Hypertrophy and Remodeling in Response to Stress. Circulation Research, 2013, 112, 1234-1243.	2.0	256
16	<i>Pi3kcb</i> Links Hippo-YAP and PI3K-AKT Signaling Pathways to Promote Cardiomyocyte Proliferation and Survival. Circulation Research, 2015, 116, 35-45.	2.0	237
17	The MEF2D transcription factor mediates stress-dependent cardiac remodeling in mice. Journal of Clinical Investigation, 2008, 118, 124-132.	3.9	220
18	Therapeutic role of miR-19a/19b in cardiac regeneration and protection from myocardial infarction. Nature Communications, 2019, 10, 1802.	5.8	190

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19	Control of smooth muscle development by the myocardin family of transcriptional coactivators. Current Opinion in Genetics and Development, 2004, 14, 558-566.	1.5	189
20	Modulation of Smooth Muscle Gene Expression by Association of Histone Acetyltransferases and Deacetylases with Myocardin. Molecular and Cellular Biology, 2005, 25, 364-376.	1.1	165
21	Loss of MicroRNA-155 Protects the Heart From Pathological Cardiac Hypertrophy. Circulation Research, 2014, 114, 1585-1595.	2.0	148
22	Myocardin Induces Cardiomyocyte Hypertrophy. Circulation Research, 2006, 98, 1089-1097.	2.0	137
23	microRNAs and muscle disorders. Journal of Cell Science, 2009, 122, 13-20.	1.2	136
24	Induction of MicroRNA-1 by Myocardin in Smooth Muscle Cells Inhibits Cell Proliferation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 368-375.	1.1	121
25	Muscling Through the microRNA World. Experimental Biology and Medicine, 2008, 233, 131-138.	1.1	120
26	Non-Coding RNAs Including miRNAs and lncRNAs in Cardiovascular Biology and Disease. Cells, 2014, 3, 883-898.	1.8	117
27	Taking microRNAs to heart. Trends in Molecular Medicine, 2008, 14, 254-260.	3.5	106
28	Myocardin inhibits cellular proliferation by inhibiting NF-Î°B(p65)-dependent cell cycle progression. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3362-3367.	3.3	96
29	miR-155 Inhibits Expression of the MEF2A Protein to Repress Skeletal Muscle Differentiation. Journal of Biological Chemistry, 2011, 286, 35339-35346.	1.6	91
30	microRNAs in cardiovascular development. Journal of Molecular and Cellular Cardiology, 2012, 52, 949-957.	0.9	90
31	Mitochondrial Cardiomyopathy Caused by Elevated Reactive Oxygen Species and Impaired Cardiomyocyte Proliferation. Circulation Research, 2018, 122, 74-87.	2.0	89
32	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, 16570-16575.	3.3	84
33	MicroRNAs in cardiomyocyte development. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2011, 3, 183-190.	6.6	84
34	Noncoding RNAs, Emerging Regulators of Skeletal Muscle Development and Diseases. BioMed Research International, 2015, 2015, 1-17.	0.9	82
35	miR-22 in cardiac remodeling and disease. Trends in Cardiovascular Medicine, 2014, 24, 267-272.	2.3	76
36	Regulation of Skeletal Muscle by microRNAs. , 2016, 6, 1279-1294.		76

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37	Loss of MicroRNAs in Neural Crest Leads to Cardiovascular Syndromes Resembling Human Congenital Heart Defects. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 2575-2586.	1.1	75
38	MicroRNAs in Heart Development. Current Topics in Developmental Biology, 2012, 100, 279-317.	1.0	75
39	Loss of mXinÎ±, an intercalated disk protein, results in cardiac hypertrophy and cardiomyopathy with conduction defects. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H2680-H2692.	1.5	65
40	Long non-coding RNAs link extracellular matrix gene expression to ischemic cardiomyopathy. Cardiovascular Research, 2016, 112, 543-554.	1.8	64
41	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.	1.6	61
42	How cardiomyocytes sense pathophysiological stresses for cardiac remodeling. Cellular and Molecular Life Sciences, 2017, 74, 983-1000.	2.4	54
43	Trbp regulates heart function through microRNA-mediated Sox6 repression. Nature Genetics, 2015, 47, 776-783.	9.4	53
44	Target Gene-Specific Modulation of Myocardin Activity by GATA Transcription Factors. Molecular and Cellular Biology, 2004, 24, 8519-8528.	1.1	52
45	Bone Morphogenetic Protein Signaling Modulates Myocardin Transactivation of Cardiac Genes. Circulation Research, 2005, 97, 992-1000.	2.0	47
46	Transgenic overexpression of miR-133a in skeletal muscle. BMC Musculoskeletal Disorders, 2011, 12, 115.	0.8	47
47	EED orchestration of heart maturation through interaction with HDACs is H3K27me3-independent. ELife, 2017, 6, .	2.8	44
48	Circular RNA circEsyt2 regulates vascular smooth muscle cell remodeling via splicing regulation. Journal of Clinical Investigation, 2021, 131, .	3.9	44
49	Xin proteins and intercalated disc maturation, signaling and diseases. Frontiers in Bioscience - Landmark, 2012, 17, 2566.	3.0	43
50	Cardiomyocyte-enriched protein CIP protects against pathophysiological stresses and regulates cardiac homeostasis. Journal of Clinical Investigation, 2015, 125, 4122-4134.	3.9	42
51	Loss of microRNA-22 prevents high-fat diet induced dyslipidemia and increases energy expenditure without affecting cardiac hypertrophy. Clinical Science, 2017, 131, 2885-2900.	1.8	40
52	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.	1.1	39
53	Synergistic Activation of Cardiac Genes by Myocardin and Tbx5. PLoS ONE, 2011, 6, e24242.	1.1	35
54	Long noncoding RNA Cfast regulates cardiac fibrosis. Molecular Therapy - Nucleic Acids, 2021, 23, 377-392.	2.3	33

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55	Crystallin-Î±B Regulates Skeletal Muscle Homeostasis via Modulation of Argonaute2 Activity. Journal of Biological Chemistry, 2014, 289, 17240-17248.	1.6	32
56	tRNA-Derived Small RNAs and Their Potential Roles in Cardiac Hypertrophy. Frontiers in Pharmacology, 2020, 11, 572941.	1.6	32
57	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.	3.3	32
58	CIP, a Cardiac Isl1-Interacting Protein, Represses Cardiomyocyte Hypertrophy. Circulation Research, 2012, 110, 818-830.	2.0	28
59	LncRNA LncHrt preserves cardiac metabolic homeostasis and heart function by modulating the LKB1-AMPK signaling pathway. Basic Research in Cardiology, 2021, 116, 48.	2.5	27
60	MicroRNAs in Cardiac Remodeling and Disease. Journal of Cardiovascular Translational Research, 2010, 3, 212-218.	1.1	26
61	Non-coding RNAs and exercise: pathophysiological role and clinical application in the cardiovascular system. Clinical Science, 2018, 132, 925-942.	1.8	24
62	Epsin-mediated degradation of IP3R1 fuels atherosclerosis. Nature Communications, 2020, 11, 3984.	5.8	24
63	aYAP modRNA reduces cardiac inflammation and hypertrophy in a murine ischemia-reperfusion model. Life Science Alliance, 2020, 3, e201900424.	1.3	24
64	The myriad essential roles of microRNAs in cardiovascular homeostasis and disease. Genes and Diseases, 2014, 1, 18-39.	1.5	23
65	Tiny Regulators of Massive Tissue: MicroRNAs in Skeletal Muscle Development, Myopathies, and Cancer Cachexia. Frontiers in Oncology, 2020, 10, 598964.	1.3	23
66	Loss of Phosphatase and Tensin Homolog Promotes Cardiomyocyte Proliferation and Cardiac Repair After Myocardial Infarction. Circulation, 2020, 142, 2196-2199.	1.6	23
67	Build A Braveheart: The Missing Linc (RNA). Circulation Research, 2013, 112, 1532-1534.	2.0	18
68	An Epigenetic â€œLINK(RNA)â€•to Pathological Cardiac Hypertrophy. Cell Metabolism, 2014, 20, 555-557.	7.2	18
69	Regulation of Cholesterol Homeostasis by a Novel Long Non-coding RNA LASER. Scientific Reports, 2019, 9, 7693.	1.6	18
70	microRNAs in cardiac regeneration and cardiovascular disease. Science China Life Sciences, 2013, 56, 907-913.	2.3	17
71	Adeno-associated virus-mediated delivery of anti-miR-199a tough decoys attenuates cardiac hypertrophy by targeting PGC-1alpha. Molecular Therapy - Nucleic Acids, 2021, 23, 406-417.	2.3	17
72	LncEGFL7OS regulates human angiogenesis by interacting with MAX at the EGFL7/miR-126 locus. ELife, 2019, 8, .	2.8	17

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73	Poly(C)-binding protein 1 (Pcbp1) regulates skeletal muscle differentiation by modulating microRNA processing in myoblasts. Journal of Biological Chemistry, 2017, 292, 9540-9550.	1.6	16
74	Transient exposure to miRâ€203 enhances the differentiation capacity of established pluripotent stem cells. EMBO Journal, 2020, 39, e104324.	3.5	16
75	Intercalated disc protein XinÎ² is required for Hippo-YAP signaling in the heart. Nature Communications, 2020, 11, 4666.	5.8	16
76	Non-coding RNA in Ischemic and Non-ischemic Cardiomyopathy. Current Cardiology Reports, 2018, 20, 115.	1.3	15
77	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.	1.5	15
78	MicroRNAs in Cardiac Development and Remodeling. Pediatric Cardiology, 2010, 31, 357-362.	0.6	14
79	miR-22 in Smooth Muscle Cells. Circulation, 2018, 137, 1842-1845.	1.6	14
80	Non-coding RNAs in cardiac regeneration: Mechanism of action and therapeutic potential. Seminars in Cell and Developmental Biology, 2021, 118, 150-162.	2.3	12
81	The Emerging Role of MicroRNAs as a Therapeutic Target for Cardiovascular Disease. BioDrugs, 2010, 24, 147-155.	2.2	10
82	Application of MicroRNA in Cardiac and Skeletal Muscle Disease Gene Therapy. Methods in Molecular Biology, 2011, 709, 197-210.	0.4	10
83	Long Non-Coding RNAs in Atrial Fibrillation: Pluripotent Stem Cell-Derived Cardiomyocytes as a Model System. International Journal of Molecular Sciences, 2020, 21, 5424.	1.8	10
84	Trbp Is Required for Differentiation of Myoblasts and Normal Regeneration of Skeletal Muscle. PLoS ONE, 2016, 11, e0155349.	1.1	9
85	Transcriptional mechanisms of congenital heart disease. Drug Discovery Today Disease Mechanisms, 2005, 2, 33-38.	0.8	8
86	Preparation of rAAV9 to Overexpress or Knockdown Genes in Mouse Hearts. Journal of Visualized Experiments, 2016, , .	0.2	8
87	Decreased miR-497-5p Suppresses IL-6 Induced Atrophy in Muscle Cells. Cells, 2021, 10, 3527.	1.8	8
88	Micro or Mega: How Important are microRNAs in Muscle?. Cell Cycle, 2006, 5, 1015-1016.	1.3	7
89	Application of CRISPR-Cas9 gene editing for congenital heart disease. Clinical and Experimental Pediatrics, 2021, 64, 269-279.	0.9	7
90	Cardiac CIP protein regulates dystrophic cardiomyopathy. Molecular Therapy, 2021, , .	3.7	7

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91	Deletion of miRNA-22 Induces Cardiac Hypertrophy in Females but Attenuates Obesogenic Diet-Mediated Metabolic Disorders.. Cellular Physiology and Biochemistry, 2020, 54, 1199-1217.	1.1	7
92	Mystery of Trbp, tale of a RBP in the miRNA pathway. Cell Cycle, 2015, 14, 3007-3008.	1.3	6
93	Ryanodine receptor 2 (RYR2) dysfunction activates the unfolded protein response and perturbs cardiomyocyte maturation. Cardiovascular Research, 2023, 119, 221-235.	1.8	5
94	Generation of a <scp><i>C</i></scp><i>re</i> knockâ€in into the <scp><i>M</i></scp><i>yocardin</i> locus to mark early cardiac and smooth muscle cell lineages. Genesis, 2014, 52, 879-887.	0.8	4
95	Transcriptome landscape of the late-stage alcohol-induced osteonecrosis of the human femoral head. Bone, 2021, 150, 116012.	1.4	4
96	(MYO)SLIDing Our Way Into the Vascular Pool of Long Noncoding RNAs. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 2033-2034.	1.1	2
97	â€˜CArGâ€™ing for microRNAs. Gastroenterology, 2011, 141, 24-27.	0.6	1
98	Response to Letter by Burgon. Circulation Research, 2012, 111, .	2.0	0
99	DELETION OF MICRORNAâ€22 ENHANCES THERMOGENIC GENE EXPRESSION IN WHITE ADIPOSE TISSUE OF OBESE MICE. FASEB Journal, 2018, 32, .	0.2	0
100	Abstract 895: The Role of Poly(rC)-Binding Protein-1 in Heart Development. Circulation Research, 2019, 125, .	2.0	0
101	Abstract 919: Intercalated Disk Protein Xin-beta is Required for the Hippo/YAP Signaling in the Heart. Circulation Research, 2019, 125, .	2.0	0
102	Cardiac ISL1-Interacting Protein, a Cardioprotective Factor, Inhibits the Transition From Cardiac Hypertrophy to Heart Failure. Frontiers in Cardiovascular Medicine, 2022, 9, 857049.	1.1	0