

Jan Fiedler

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

6,858
citations

186265

28
h-index

189892

50
g-index

52
all docs

52
docs citations

52
times ranked

10102
citing authors

#	ARTICLE	IF	CITATIONS
1	MicroRNA-21 contributes to myocardial disease by stimulating MAP kinase signalling in fibroblasts. <i>Nature</i> , 2008, 456, 980-984.	27.8	2,111
2	MicroRNAs in the Human Heart. <i>Circulation</i> , 2007, 116, 258-267.	1.6	852
3	Cardiac fibroblast-derived microRNA passenger strand-enriched exosomes mediate cardiomyocyte hypertrophy. <i>Journal of Clinical Investigation</i> , 2014, 124, 2136-2146.	8.2	803
4	The miRNA-212/132 family regulates both cardiac hypertrophy and cardiomyocyte autophagy. <i>Nature Communications</i> , 2012, 3, 1078.	12.8	518
5	MicroRNA-24 Regulates Vascularity After Myocardial Infarction. <i>Circulation</i> , 2011, 124, 720-730.	1.6	358
6	Quaking Inhibits Doxorubicin-Mediated Cardiotoxicity Through Regulation of Cardiac Circular RNA Expression. <i>Circulation Research</i> , 2018, 122, 246-254.	4.5	174
7	MicroRNA-22 increases senescence and activates cardiac fibroblasts in the aging heart. <i>Age</i> , 2013, 35, 747-762.	3.0	150
8	Impairment of Wound Healing in Patients With Type 2 Diabetes Mellitus Influences Circulating MicroRNA Patterns via Inflammatory Cytokines. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 1480-1488.	2.4	123
9	Preclinical development of a miR-132 inhibitor for heart failure treatment. <i>Nature Communications</i> , 2020, 11, 633.	12.8	123
10	MicroRNAs in Myocardial Infarction. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 201-205.	2.4	118
11	Osteopontin is indispensable for AP1-mediated angiotensin II-related miR-21 transcription during cardiac fibrosis. <i>European Heart Journal</i> , 2015, 36, 2184-2196.	2.2	117
12	Senescence-induced inflammation: an important player and key therapeutic target in atherosclerosis. <i>European Heart Journal</i> , 2020, 41, 2983-2996.	2.2	108
13	Development of Long Noncoding RNA-Based Strategies to Modulate Tissue Vascularization. <i>Journal of the American College of Cardiology</i> , 2015, 66, 2005-2015.	2.8	103
14	Attenuated palmitoylation of serotonin receptor 5-HT1A affects receptor function and contributes to depression-like behaviors. <i>Nature Communications</i> , 2019, 10, 3924.	12.8	100
15	Hypoxia-Induced MicroRNA-212/132 Alter Blood-Brain Barrier Integrity Through Inhibition of Tight Junction-Associated Proteins in Human and Mouse Brain Microvascular Endothelial Cells. <i>Translational Stroke Research</i> , 2019, 10, 672-683.	4.2	86
16	Long Noncoding RNA-Enriched Vesicles Secreted by Hypoxic Cardiomyocytes Drive Cardiac Fibrosis. <i>Molecular Therapy - Nucleic Acids</i> , 2019, 18, 363-374.	5.1	83
17	Circulating non-coding RNAs in biomarker-guided cardiovascular therapy: a novel tool for personalized medicine?. <i>European Heart Journal</i> , 2019, 40, 1643-1650.	2.2	72
18	Endogenous Tumor Suppressor microRNA-193b: Therapeutic and Prognostic Value in Acute Myeloid Leukemia. <i>Journal of Clinical Oncology</i> , 2018, 36, 1007-1016.	1.6	67

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19	miR-21 promotes fibrosis in an acute cardiac allograft transplantation model. <i>Cardiovascular Research</i> , 2016, 110, 215-226.	3.8	61
20	Stiff matrix induces switch to pure β^2 -cardiac myosin heavy chain expression in human ESC-derived cardiomyocytes. <i>Basic Research in Cardiology</i> , 2016, 111, 68.	5.9	59
21	Podocytes regulate the glomerular basement membrane protein nephrin by means of miR-378a-3p in glomerular diseases. <i>Kidney International</i> , 2017, 92, 836-849.	5.2	55
22	Serum circular RNAs act as blood-based biomarkers for hypertrophic obstructive cardiomyopathy. <i>Scientific Reports</i> , 2019, 9, 20350.	3.3	50
23	Natural Compound Library Screening Identifies New Molecules for the Treatment of Cardiac Fibrosis and Diastolic Dysfunction. <i>Circulation</i> , 2020, 141, 751-767.	1.6	48
24	MicroRNA-Based Therapy of GATA2-Deficient Vascular Disease. <i>Circulation</i> , 2016, 134, 1973-1990.	1.6	46
25	Functional MicroRNA Library Screening Identifies the Hypoxia-MiR miR-24 as a Potent Regulator of Smooth Muscle Cell Proliferation and Vascularization. <i>Antioxidants and Redox Signaling</i> , 2014, 21, 1167-1176.	5.4	44
26	Deciphering the microRNA signature of pathological cardiac hypertrophy by engineered heart tissue- and sequencing-technology. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 81, 1-9.	1.9	41
27	Non-coding RNAs in vascular disease – from basic science to clinical applications: scientific update from the Working Group of Myocardial Function of the European Society of Cardiology. <i>Cardiovascular Research</i> , 2018, 114, 1281-1286.	3.8	37
28	MicroRNAs regulating superoxide dismutase 2 are new circulating biomarkers of heart failure. <i>Scientific Reports</i> , 2017, 7, 14747.	3.3	32
29	Circulating microRNAs predispose to takotsubo syndrome following high-dose adrenaline exposure. <i>Cardiovascular Research</i> , 2022, 118, 1758-1770.	3.8	30
30	New Insights Into miR-17-92 Cluster Regulation and Angiogenesis. <i>Circulation Research</i> , 2016, 118, 9-11.	4.5	27
31	miRNome Profiling of Purified Endoderm and Mesoderm Differentiated from hESCs Reveals Functions of miR-483-3p and miR-1263 for Cell-Fate Decisions. <i>Stem Cell Reports</i> , 2017, 9, 1588-1603.	4.8	26
32	Non-coding RNAs: key players in cardiac disease. <i>Journal of Physiology</i> , 2020, 598, 2995-3003.	2.9	26
33	Inflammatory Drivers of Cardiovascular Disease: Molecular Characterization of Senescent Coronary Vascular Smooth Muscle Cells. <i>Frontiers in Physiology</i> , 2020, 11, 520.	2.8	23
34	Inhibition of miRNA-212/132 improves the reprogramming of fibroblasts into induced pluripotent stem cells by de-repressing important epigenetic remodelling factors. <i>Stem Cell Research</i> , 2017, 20, 70-75.	0.7	20
35	Overexpression of preeclampsia induced microRNA-26a-5p leads to proteinuria in zebrafish. <i>Scientific Reports</i> , 2018, 8, 3621.	3.3	19
36	Integrative Bioinformatic Analyses of Global Transcriptome Data Decipher Novel Molecular Insights into Cardiac Anti-Fibrotic Therapies. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4727.	4.1	17

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37	Cardiac endurance training alters plasma profiles of circular RNA MBOAT2. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 319, H13-H21.	3.2	15
38	Identification of miR-126 as a new regulator of skin ageing. <i>Experimental Dermatology</i> , 2017, 26, 284-286.	2.9	13
39	Alternative strategies in cardiac preclinical research and new clinical trial formats. <i>Cardiovascular Research</i> , 2022, 118, 746-762.	3.8	13
40	Therapeutic modulation of RNA-binding protein Rbm38 facilitates re-endothelialization after arterial injury. <i>Cardiovascular Research</i> , 2019, 115, 1804-1810.	3.8	12
41	Pleiotropic cardiac functions controlled by ischemia-induced lncRNA H19. <i>Journal of Molecular and Cellular Cardiology</i> , 2020, 146, 43-59.	1.9	12
42	Comprehensive Bioinformatics Identifies Key microRNA Players in ATG7-Deficient Lung Fibroblasts. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4126.	4.1	11
43	Combined high-throughput library screening and next generation RNA sequencing uncover microRNAs controlling human cardiac fibroblast biology. <i>Journal of Molecular and Cellular Cardiology</i> , 2021, 150, 91-100.	1.9	10
44	miR-21-KO Alleviates Alveolar Structural Remodeling and Inflammatory Signaling in Acute Lung Injury. <i>International Journal of Molecular Sciences</i> , 2020, 21, 822.	4.1	9
45	Identification of miR-143 as a Major Contributor for Human Stenotic Aortic Valve Disease. <i>Journal of Cardiovascular Translational Research</i> , 2019, 12, 447-458.	2.4	8
46	Blood-based protein profiling identifies serum protein c-KIT as a novel biomarker for hypertrophic cardiomyopathy. <i>Scientific Reports</i> , 2021, 11, 1755.	3.3	8
47	Artificial Intelligence Identifies an Urgent Need for Peripheral Vascular Intervention by Multiplexing Standard Clinical Parameters. <i>Biomedicines</i> , 2021, 9, 1456.	3.2	8
48	Development and characterization of anti-fibrotic natural compound similars with improved effectivity. <i>Basic Research in Cardiology</i> , 2022, 117, 9.	5.9	8
49	Reconstruction of the miR-506-Quaking axis in Idiopathic Pulmonary Fibrosis using integrative multi-source bioinformatics. <i>Scientific Reports</i> , 2021, 11, 12456.	3.3	3
50	MicroRNA-449a Inhibits Triple Negative Breast Cancer by Disturbing DNA Repair and Chromatid Separation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5131.	4.1	1
51	Vascular Smooth Muscle Cell Remodeling. <i>Circulation Research</i> , 2018, 123, 1261-1263.	4.5	0