Marcel Scheideler

List of Publications by Year in Descending Order

70 papers	3,349 citations	30 h-index	57 g-index
73 ext. papers	3,807 ext. citations	6.6 avg, IF	4.84 L-index

#	Paper	IF	Citations
70	Delivery of miRNAs to the adipose organ for metabolic health.. *Advanced Drug Delivery Reviews*, **2022**, 181, 114110	18.5	1
69	HAND2 is a novel obesity-linked adipogenic transcription factor regulated by glucocorticoid signalling. *Diabetologia*, **2021**, 64, 1850-1865	10.3	1
68	Orphan GPR116 mediates the insulin sensitizing effects of the hepatokine FNDC4 in adipose tissue. *Nature Communications*, **2021**, 12, 2999	17.4	8
67	Lipid nanocarriers for microRNA delivery. *Chemistry and Physics of Lipids*, **2020**, 226, 104837	3.7	29
66	Label-free metabolic imaging by mid-infrared optoacoustic microscopy in living cells. *Nature Biotechnology*, **2020**, 38, 293-296	44.5	40
65	A miR-29a-driven negative feedback loop regulates peripheral glucocorticoid receptor signaling. *FASEB Journal*, **2019**, 33, 5924-5941	0.9	21
64	The glucocorticoid receptor in brown adipocytes is dispensable for control of energy homeostasis. *EMBO Reports*, **2019**, 20, e48552	6.5	10
63	Regulatory Small and Long Noncoding RNAs in Brite/Brown Adipose Tissue. *Handbook of Experimental Pharmacology*, **2019**, 251, 215-237	3.2	2
62	Blocking negative effects of senescence in human skin fibroblasts with a plant extract. *Npj Aging and Mechanisms of Disease*, **2018**, 4, 4	5.5	32
61	Comparative Secretome Analyses of Primary Murine White and Brown Adipocytes Reveal Novel Adipokines. *Molecular and Cellular Proteomics*, **2018**, 17, 2358-2370	7.6	35
60	Small extracellular vesicles and their miRNA cargo are anti-apoptotic members of the senescence-associated secretory phenotype. *Aging*, **2018**, 10, 1103-1132	5.6	104
59	Age-Induced Changes in White, Brite, and Brown Adipose Depots: A Mini-Review. *Gerontology*, **2018** , 64, 229-236	5.5	42
58	Norepinephrine triggers an immediate-early regulatory network response in primary human white adipocytes. *BMC Genomics*, **2018**, 19, 794	4.5	7
57	Comparative Gene Expression Analysis in WM164 Melanoma Cells Revealed That --Dimethylacrylshikonin Leads to ROS Generation, Loss of Mitochondrial Membrane Potential, and Autophagy Induction. *Molecules*, **2018**, 23,	4.8	9
56	SNEV Regulates Adipogenesis of Human Adipose Stromal Cells. *Stem Cell Reports*, **2017**, 8, 21-29	8	6
55	Small non coding RNAs in adipocyte biology and obesity. *Molecular and Cellular Endocrinology*, **2017** , 456, 87-94	4.4	16
54	Let's burn whatever you have: mitofusin 2 metabolically re-wires brown adipose tissue. *EMBO Reports*, **2017**, 18, 1039-1040	6.5	6

53	Endocrine and autocrine/paracrine modulators of brown adipose tissue mass and activity as novel therapeutic strategies against obesity and type 2 diabetes. *Hormone Molecular Biology and Clinical Investigation*, **2017**, 31,	1.3	5
52	Long Non-Coding RNAs in Metabolic Organs and Energy Homeostasis. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	41
51	MicroRNAs in adipocyte formation and obesity. *Best Practice and Research in Clinical Endocrinology and Metabolism*, **2016**, 30, 653-664	6.5	14
50	miR-125b affects mitochondrial biogenesis and impairs brite adipocyte formation and function. *Molecular Metabolism*, **2016**, 5, 615-625	8.8	40
49	Let-7i-5p represses brite adipocyte function in mice and humans. *Scientific Reports*, **2016**, 6, 28613	4.9	30
48	A signature of 12 microRNAs is robustly associated with growth rate in a variety of CHO cell lines. *Journal of Biotechnology*, **2016**, 235, 150-61	3.7	13
47	Comprehensive Analysis of miRNome Alterations in Response to Sorafenib Treatment in Colorectal Cancer Cells. *International Journal of Molecular Sciences*, **2016**, 17,	6.3	24
46	Increased Expression of miR-23a Mediates a Loss of Expression in the RAF Kinase Inhibitor Protein RKIP. *Cancer Research*, **2016**, 76, 3644-54	10.1	36
45	Mesoderm-specific transcript (MEST) is a negative regulator of human adipocyte differentiation. *International Journal of Obesity*, **2015**, 39, 1733-41	5.5	25
44	Oxytocin reverses osteoporosis in a sex-dependent manner. *Frontiers in Endocrinology*, **2015**, 6, 81	5.7	23
43	Microarray profiling of preselected CHO host cell subclones identifies gene expression patterns associated with increased production capacity. *Biotechnology Journal*, **2015**, 10, 1625-38	5.6	21
42	Microarray analysis of small non-coding RNAs. *Methods in Molecular Biology*, **2015**, 1296, 161-71	1.4	2
41	MicroRNAs with Impact on Adipose Tissue Inflammation in Obesity **2015**, 163-184		
40	MicroRNA-26 family is required for human adipogenesis and drives characteristics of brown adipocytes. *Stem Cells*, **2014**, 32, 1578-90	5.8	124
39	NR4A1-mediated apoptosis suppresses lymphomagenesis and is associated with a favorable cancer-specific survival in patients with aggressive B-cell lymphomas. *Blood*, **2014**, 123, 2367-77	2.2	26
38	Co-expressed genes prepositioned in spatial neighborhoods stochastically associate with SC35 speckles and RNA polymerase II factories. *Cellular and Molecular Life Sciences*, **2014**, 71, 1741-59	10.3	37
37	Identification of microRNAs specific for high producer CHO cell lines using steady-state cultivation. *Applied Microbiology and Biotechnology*, **2014**, 98, 7535-48	5.7	23
36	Analysis of microRNA transcription and post-transcriptional processing by Dicer in the context of CHO cell proliferation. *Journal of Biotechnology*, **2014**, 190, 76-84	3.7	11

35	Hunting the needle in the haystack: a guide to obtain biologically meaningful microRNA targets. *International Journal of Molecular Sciences*, **2014**, 15, 20266-89	6.3	18
34	MiR-200a regulates epithelial to mesenchymal transition-related gene expression and determines prognosis in colorectal cancer patients. *British Journal of Cancer*, **2014**, 110, 1614-21	8.7	92
33	Generation of a neuro-specific microarray reveals novel differentially expressed noncoding RNAs in mouse models for neurodegenerative diseases. *Rna*, **2014**, 20, 1929-43	5.8	21
32	MicroRNA Functions in Brite/Brown Fat - Novel Perspectives towards Anti-Obesity Strategies. *Computational and Structural Biotechnology Journal*, **2014**, 11, 101-5	6.8	17
31	Molecular and cellular effects of in vitro shockwave treatment on lymphatic endothelial cells. *PLoS ONE*, **2014**, 9, e114806	3.7	19
30	Overexpression of primary microRNA 221/222 in acute myeloid leukemia. *BMC Cancer*, **2013**, 13, 364	4.8	38
29	In vitro brown and "brite"/"beige" adipogenesis: human cellular models and molecular aspects. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2013**, 1831, 905-14	5	38
28	Comprehensive analysis of alterations in the miRNome in response to photodynamic treatment. *Journal of Photochemistry and Photobiology B: Biology*, **2013**, 120, 74-81	6.7	23
27	Identification of microRNA-mRNA functional interactions in UVB-induced senescence of human diploid fibroblasts. *BMC Genomics*, **2013**, 14, 224	4.5	44
26	High levels of oncomiR-21 contribute to the senescence-induced growth arrest in normal human cells and its knock-down increases the replicative lifespan. *Aging Cell*, **2013**, 12, 446-58	9.9	81
25	Actinomycin D induces p53-independent cell death and prolongs survival in high-risk chronic lymphocytic leukemia. *Leukemia*, **2012**, 26, 2508-16	10.7	15
24	Expression Profiling of a Heterogeneous Population of ncRNAs Employing a Mixed DNA/LNA Microarray. *Journal of Nucleic Acids*, **2012**, 2012, 283560	2.3	1
23	Antimyeloma activity of the sesquiterpene lactone cnicin: impact on Pim-2 kinase as a novel therapeutic target. *Journal of Molecular Medicine*, **2012**, 90, 681-93	5.5	29
22	Dynamic modeling of miRNA-mediated feed-forward loops. *Journal of Computational Biology*, **2012**, 19, 188-99	1.7	5
21	Differentiation of Human Adipose-Derived Stem Cells into "Brite" (Brown-in-White) Adipocytes. *Frontiers in Endocrinology*, **2011**, 2, 87	5.7	82
20	MicroRNA-30c promotes human adipocyte differentiation and co-represses PAI-1 and ALK2. *RNA Biology*, **2011**, 8, 850-60	4.8	106
19	Arxes: retrotransposed genes required for adipogenesis. *Nucleic Acids Research*, **2011**, 39, 3224-39	20.1	12
18	miR-17, miR-19b, miR-20a, and miR-106a are down-regulated in human aging. *Aging Cell*, **2010**, 9, 291-6	9.9	295

17	Activin a plays a critical role in proliferation and differentiation of human adipose progenitors. *Diabetes*, **2010**, 59, 2513-21	0.9	113
16	Identification of differential and functionally active miRNAs in both anaplastic lymphoma kinase (ALK)+ and ALK- anaplastic large-cell lymphoma. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 16228-33	11.5	91
15	microRNAs in acute myeloid leukemia: expression patterns, correlations with genetic and clinical parameters, and prognostic significance. *Genes Chromosomes and Cancer*, **2010**, 49, 193-203	5	14
14	microRNA miR-27b impairs human adipocyte differentiation and targets PPARgamma. *Biochemical and Biophysical Research Communications*, **2009**, 390, 247-51	3.4	328
13	Comparative transcriptomics of human multipotent stem cells during adipogenesis and osteoblastogenesis. *BMC Genomics*, **2008**, 9, 340	4.5	72
12	Differential transcriptional modulation of biological processes in adipocyte triglyceride lipase and hormone-sensitive lipase-deficient mice. *Genomics*, **2008**, 92, 26-32	4.3	33
11	Stathmin-like 2, a developmentally-associated neuronal marker, is expressed and modulated during osteogenesis of human mesenchymal stem cells. *Biochemical and Biophysical Research Communications*, **2008**, 374, 64-8	3.4	21
10	Arsenic trioxide induces apoptosis preferentially in B-CLL cells of patients with unfavourable prognostic factors including del17p13. *Journal of Molecular Medicine*, **2008**, 86, 541-52	5.5	22
9	Oxytocin controls differentiation of human mesenchymal stem cells and reverses osteoporosis. *Stem Cells*, **2008**, 26, 2399-407	5.8	136
8	Gene expression profiling of human mesenchymal stem cells derived from bone marrow during expansion and osteoblast differentiation. *BMC Genomics*, **2007**, 8, 70	4.5	276
7	Micro-colony array based high throughput platform for enzyme library screening. *Journal of Biotechnology*, **2007**, 129, 162-70	3.7	10
6	Planar optical sensors: A tool for screening enzyme activity in high density cell arrays. *Sensors and Actuators B: Chemical*, **2006**, 114, 984-994	8.5	6
5	MARS: microarray analysis, retrieval, and storage system. *BMC Bioinformatics*, **2005**, 6, 101	3.6	45
4	PathwayExplorer: web service for visualizing high-throughput expression data on biological pathways. *Nucleic Acids Research*, **2005**, 33, W633-7	20.1	105
3	Monitoring the switch from housekeeping to pathogen defense metabolism in Arabidopsis thaliana using cDNA arrays. *Journal of Biological Chemistry*, **2002**, 277, 10555-61	5.4	170
2	DNA Arrays for Transcriptional Profiling. *Methods in Microbiology*, **1999**, 28, 193-204	2.8	1
1	Transcriptional profiling on all open reading frames of Saccharomyces cerevisiae. *Yeast*, **1998**, 14, 1209-21	3.4	106