Marcel Scheideler

List of Publications by Year
in descending order

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70 papers	4,175 citations	136740 32 h-index	118652 62 g-index
73 all docs	73 docs citations	73 times ranked	7786 citing authors

#	Article	IF	Citations
1	microRNA miR-27b impairs human adipocyte differentiation and targets PPARÎ³. Biochemical and Biophysical Research Communications, 2009, 390, 247-251.	1.0	385
2	miRâ€17, miRâ€19b, miRâ€20a, and miRâ€106a are downâ€regulated in human aging. Aging Cell, 2010, 9, 291-296.	6.0	338
3	Gene expression profiling of human mesenchymal stem cells derived from bone marrow during expansion and osteoblast differentiation. BMC Genomics, 2007, 8, 70.	1.2	320
4	Monitoring the Switch from Housekeeping to Pathogen Defense Metabolism in Arabidopsis thaliana Using cDNA Arrays. Journal of Biological Chemistry, 2002, 277, 10555-10561.	1.6	193
5	Oxytocin Controls Differentiation of Human Mesenchymal Stem Cells and Reverses Osteoporosis. Stem Cells, 2008, 26, 2399-2407.	1.4	170
6	Small extracellular vesicles and their miRNA cargo are anti-apoptotic members of the senescence-associated secretory phenotype. Aging, 2018, 10, 1103-1132.	1.4	162
7	Activin A Plays a Critical Role in Proliferation and Differentiation of Human Adipose Progenitors. Diabetes, 2010, 59, 2513-2521.	0.3	140
8	MicroRNA-26 Family Is Required for Human Adipogenesis and Drives Characteristics of Brown Adipocytes. Stem Cells, 2014, 32, 1578-1590.	1.4	138
9	MicroRNA-30c promotes human adipocyte differentiation and co-repressesPAI-1andALK2. RNA Biology, 2011, 8, 850-860.	1.5	125
10	Transcriptional profiling on all open reading frames ofSaccharomyces cerevisiae. , 1998, 14, 1209-1221.		118
11	PathwayExplorer: web service for visualizing high-throughput expression data on biological pathways. Nucleic Acids Research, 2005, 33, W633-W637.	6.5	116
12	MiR-200a regulates epithelial to mesenchymal transition-related gene expression and determines prognosis in colorectal cancer patients. British Journal of Cancer, 2014, 110, 1614-1621.	2.9	109
13	Identification of differential and functionally active miRNAs in both anaplastic lymphoma kinase (ALK)⁺and ALK^{â^'}anaplastic large-cell lymphoma. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 16228-16233.	3.3	108
14	High levels of oncomi<scp>R</scp>â€21 contribute to the senescenceâ€induced growth arrest in normal human cells and its knockâ€down increases the replicative lifespan. Aging Cell, 2013, 12, 446-458.	3.0	99
15	Comparative transcriptomics of human multipotent stem cells during adipogenesis and osteoblastogenesis. BMC Genomics, 2008, 9, 340.	1.2	91
16	Differentiation of human adipose-derived stem cells into â€œbriteâ€(brown-in-white) adipocytes. Frontiers in Endocrinology, 2011, 2, 87.	1.5	89
17	Label-free metabolic imaging by mid-infrared optoacoustic microscopy in living cells. Nature Biotechnology, 2020, 38, 293-296.	9.4	74
18	Lipid nanocarriers for microRNA delivery. Chemistry and Physics of Lipids, 2020, 226, 104837.	1.5	63

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19	Age-Induced Changes in White, Brite, and Brown Adipose Depots: A Mini-Review. Gerontology, 2018, 64, 229-236.	1.4	61
20	Long Non-Coding RNAs in Metabolic Organs and Energy Homeostasis. International Journal of Molecular Sciences, 2017, 18, 2578.	1.8	57
21	Identification of microRNA-mRNA functional interactions in UVB-induced senescence of human diploid fibroblasts. BMC Genomics, 2013, 14, 224.	1.2	55
22	miR-125b affects mitochondrial biogenesis and impairs brite adipocyte formation and function. Molecular Metabolism, 2016, 5, 615-625.	3.0	54
23	MARS: microarray analysis, retrieval, and storage system. BMC Bioinformatics, 2005, 6, 101.	1.2	51
24	Comparative Secretome Analyses of Primary Murine White and Brown Adipocytes Reveal Novel Adipokines. Molecular and Cellular Proteomics, 2018, 17, 2358-2370.	2.5	51
25	Blocking negative effects of senescence in human skin fibroblasts with a plant extract. Npj Aging and Mechanisms of Disease, 2018, 4, 4.	4.5	49
26	Overexpression of primary microRNA 221/222 in acute myeloid leukemia. BMC Cancer, 2013, 13, 364.	1.1	45
27	Increased Expression of miR-23a Mediates a Loss of Expression in the RAF Kinase Inhibitor Protein RKIP. Cancer Research, 2016, 76, 3644-3654.	0.4	45
28	In vitro brown and â€œbriteâ€‚â€œbeigeâ€•adipogenesis: Human cellular models and molecular aspects. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2013, 1831, 905-914.	1.2	43
29	Co-expressed genes prepositioned in spatial neighborhoods stochastically associate with SC35 speckles and RNA polymerase II factories. Cellular and Molecular Life Sciences, 2014, 71, 1741-1759.	2.4	40
30	Let-7i-5p represses brite adipocyte function in mice and humans. Scientific Reports, 2016, 6, 28613.	1.6	39
31	Mesoderm-specific transcript (MEST) is a negative regulator of human adipocyte differentiation. International Journal of Obesity, 2015, 39, 1733-1741.	1.6	38
32	NR4A1-mediated apoptosis suppresses lymphomagenesis and is associated with a favorable cancer-specific survival in patients with aggressive B-cell lymphomas. Blood, 2014, 123, 2367-2377.	0.6	37
33	Differential transcriptional modulation of biological processes in adipocyte triglyceride lipase and hormone-sensitive lipase-deficient mice. Genomics, 2008, 92, 26-32.	1.3	36
34	Antimyeloma activity of the sesquiterpene lactone cnicin: impact on Pim-2 kinase as a novel therapeutic target. Journal of Molecular Medicine, 2012, 90, 681-693.	1.7	36
35	Comprehensive Analysis of miRNome Alterations in Response to Sorafenib Treatment in Colorectal Cancer Cells. International Journal of Molecular Sciences, 2016, 17, 2011.	1.8	32
36	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, 64-68.	1.0	31

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37	A miRâ€29aâ€driven negative feedback loop regulates peripheral glucocorticoid receptor signaling. FASEB Journal, 2019, 33, 5924-5941.	0.2	30
38	Identification of microRNAs specific for high producer CHO cell lines using steady-state cultivation. Applied Microbiology and Biotechnology, 2014, 98, 7535-7548.	1.7	29
39	Generation of a neuro-specific microarray reveals novel differentially expressed noncoding RNAs in mouse models for neurodegenerative diseases. Rna, 2014, 20, 1929-1943.	1.6	27
40	MicroRNA Functions in Brite/Brown Fat â€" Novel Perspectives towards Anti-Obesity Strategies. Computational and Structural Biotechnology Journal, 2014, 11, 101-105.	1.9	27
41	Oxytocin Reverses Osteoporosis in a Sex-Dependent Manner. Frontiers in Endocrinology, 2015, 6, 81.	1.5	26
42	Comprehensive analysis of alterations in the miRNome in response to photodynamic treatment. Journal of Photochemistry and Photobiology B: Biology, 2013, 120, 74-81.	1.7	25
43	Small non coding RNAs in adipocyte biology and obesity. Molecular and Cellular Endocrinology, 2017, 456, 87-94.	1.6	25
44	Arsenic trioxide induces apoptosis preferentially in B-CLL cells of patients with unfavourable prognostic factors including del17p13. Journal of Molecular Medicine, 2008, 86, 541-552.	1.7	24
45	Molecular and Cellular Effects of In Vitro Shockwave Treatment on Lymphatic Endothelial Cells. PLoS ONE, 2014, 9, e114806.	1.1	23
46	Microarray profiling of preselected CHO host cell subclones identifies gene expression patterns associated with inâ€creased production capacity. Biotechnology Journal, 2015, 10, 1625-1638.	1.8	22
47	Orphan GPR116 mediates the insulin sensitizing effects of the hepatokine FNDC4 in adipose tissue. Nature Communications, 2021, 12, 2999.	5.8	22
48	Actinomycin D induces p53-independent cell death and prolongs survival in high-risk chronic lymphocytic leukemia. Leukemia, 2012, 26, 2508-2516.	3.3	21
49	Hunting the Needle in the Haystack: A Guide to Obtain Biologically Meaningful MicroRNA Targets. International Journal of Molecular Sciences, 2014, 15, 20266-20289.	1.8	21
50	MicroRNAs in adipocyte formation and obesity. Best Practice and Research in Clinical Endocrinology and Metabolism, 2016, 30, 653-664.	2.2	21
51	Norepinephrine triggers an immediate-early regulatory network response in primary human white adipocytes. BMC Genomics, 2018, 19, 794.	1.2	20
52	microRNAs in acute myeloid leukemia: Expression patterns, correlations with genetic and clinical parameters, and prognostic significance. Genes Chromosomes and Cancer, 2010, 49, 193-203.	1.5	18
53	Comparative Gene Expression Analysis in WM164 Melanoma Cells Revealed That Î²-Î²-Dimethylacrylshikonin Leads to ROS Generation, Loss of Mitochondrial Membrane Potential, and Autophagy Induction. Molecules, 2018, 23, 2823.	1.7	17
54	A signature of 12 microRNAs is robustly associated with growth rate in a variety of CHO cell lines. Journal of Biotechnology, 2016, 235, 150-161.	1.9	16

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55	The glucocorticoid receptor in brown adipocytes is dispensable for control of energy homeostasis. EMBO Reports, 2019, 20, e48552.	2.0	16
56	Arxes: retrotransposed genes required for adipogenesis. Nucleic Acids Research, 2011, 39, 3224-3239.	6.5	15
57	Analysis of microRNA transcription and post-transcriptional processing by Dicer in the context of CHO cell proliferation. Journal of Biotechnology, 2014, 190, 76-84.	1.9	14
58	Micro-colony array based high throughput platform for enzyme library screening. Journal of Biotechnology, 2007, 129, 162-170.	1.9	11
59	HAND2 is a novel obesity-linked adipogenic transcription factor regulated by glucocorticoid signalling. Diabetologia, 2021, 64, 1850-1865.	2.9	10
60	SNEVhPrp19/hPso4 Regulates Adipogenesis of Human Adipose Stromal Cells. Stem Cell Reports, 2017, 8, 21-29.	2.3	9
61	Dynamic Modeling of miRNA-mediated Feed-Forward Loops. Journal of Computational Biology, 2012, 19, 188-199.	0.8	8
62	Let's burn whatever you have: mitofusin 2 metabolically reâ€wires brown adipose tissue. EMBO Reports, 2017, 18, 1039-1040.	2.0	7
63	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, .	0.3	7
64	Delivery of miRNAs to the adipose organ for metabolic health. Advanced Drug Delivery Reviews, 2022, 181, 114110.	6.6	7
65	Planar optical sensors: A tool for screening enzyme activity in high density cell arrays. Sensors and Actuators B: Chemical, 2006, 114, 984-994.	4.0	6
66	Regulatory Small and Long Noncoding RNAs in Brite/Brown Adipose Tissue. Handbook of Experimental Pharmacology, 2018, 251, 215-237.	0.9	5
67	Microarray Analysis of Small Non-Coding RNAs. Methods in Molecular Biology, 2015, 1296, 161-171.	0.4	4
68	DNA Arrays for Transcriptional Profiling. Methods in Microbiology, 1999, 28, 193-204.	0.4	2
69	Expression Profiling of a Heterogeneous Population of ncRNAs Employing a Mixed DNA/LNA Microarray. Journal of Nucleic Acids, 2012, 2012, 1-10.	0.8	2
70	MicroRNAs with Impact on Adipose Tissue Inflammation in Obesity. , 2015, , 163-184.		0