

Marcel Scheideler

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	microRNA miR-27b impairs human adipocyte differentiation and targets PPARgamma. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 390, 247-51	3.4	328
69	miR-17, miR-19b, miR-20a, and miR-106a are down-regulated in human aging. <i>Aging Cell</i> , 2010 , 9, 291-6	9.9	295
68	Gene expression profiling of human mesenchymal stem cells derived from bone marrow during expansion and osteoblast differentiation. <i>BMC Genomics</i> , 2007 , 8, 70	4.5	276
67	Monitoring the switch from housekeeping to pathogen defense metabolism in <i>Arabidopsis thaliana</i> using cDNA arrays. <i>Journal of Biological Chemistry</i> , 2002 , 277, 10555-61	5.4	170
66	Oxytocin controls differentiation of human mesenchymal stem cells and reverses osteoporosis. <i>Stem Cells</i> , 2008 , 26, 2399-407	5.8	136
65	MicroRNA-26 family is required for human adipogenesis and drives characteristics of brown adipocytes. <i>Stem Cells</i> , 2014 , 32, 1578-90	5.8	124
64	Activin a plays a critical role in proliferation and differentiation of human adipose progenitors. <i>Diabetes</i> , 2010 , 59, 2513-21	0.9	113
63	MicroRNA-30c promotes human adipocyte differentiation and co-represses PAI-1 and ALK2. <i>RNA Biology</i> , 2011 , 8, 850-60	4.8	106
62	Transcriptional profiling on all open reading frames of <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 1998 , 14, 1209-214	3.4	106
61	PathwayExplorer: web service for visualizing high-throughput expression data on biological pathways. <i>Nucleic Acids Research</i> , 2005 , 33, W633-7	20.1	105
60	Small extracellular vesicles and their miRNA cargo are anti-apoptotic members of the senescence-associated secretory phenotype. <i>Aging</i> , 2018 , 10, 1103-1132	5.6	104
59	MiR-200a regulates epithelial to mesenchymal transition-related gene expression and determines prognosis in colorectal cancer patients. <i>British Journal of Cancer</i> , 2014 , 110, 1614-21	8.7	92
58	Identification of differential and functionally active miRNAs in both anaplastic lymphoma kinase (ALK)+ and ALK- anaplastic large-cell lymphoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 16228-33	11.5	91
57	Differentiation of Human Adipose-Derived Stem Cells into "Brite" (Brown-in-White) Adipocytes. <i>Frontiers in Endocrinology</i> , 2011 , 2, 87	5.7	82
56	High levels of oncomiR-21 contribute to the senescence-induced growth arrest in normal human cells and its knock-down increases the replicative lifespan. <i>Aging Cell</i> , 2013 , 12, 446-58	9.9	81
55	Comparative transcriptomics of human multipotent stem cells during adipogenesis and osteoblastogenesis. <i>BMC Genomics</i> , 2008 , 9, 340	4.5	72
54	MARS: microarray analysis, retrieval, and storage system. <i>BMC Bioinformatics</i> , 2005 , 6, 101	3.6	45

53	Identification of microRNA-mRNA functional interactions in UVB-induced senescence of human diploid fibroblasts. <i>BMC Genomics</i> , 2013 , 14, 224	4.5	44
52	Age-Induced Changes in White, Brite, and Brown Adipose Depots: A Mini-Review. <i>Gerontology</i> , 2018 , 64, 229-236	5.5	42
51	Long Non-Coding RNAs in Metabolic Organs and Energy Homeostasis. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	41
50	miR-125b affects mitochondrial biogenesis and impairs brite adipocyte formation and function. <i>Molecular Metabolism</i> , 2016 , 5, 615-625	8.8	40
49	Label-free metabolic imaging by mid-infrared optoacoustic microscopy in living cells. <i>Nature Biotechnology</i> , 2020 , 38, 293-296	44.5	40
48	Overexpression of primary microRNA 221/222 in acute myeloid leukemia. <i>BMC Cancer</i> , 2013 , 13, 364	4.8	38
47	In vitro brown and "brite"/"beige" adipogenesis: human cellular models and molecular aspects. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2013 , 1831, 905-14	5	38
46	Co-expressed genes prepositioned in spatial neighborhoods stochastically associate with SC35 speckles and RNA polymerase II factories. <i>Cellular and Molecular Life Sciences</i> , 2014 , 71, 1741-59	10.3	37
45	Increased Expression of miR-23a Mediates a Loss of Expression in the RAF Kinase Inhibitor Protein RKIP. <i>Cancer Research</i> , 2016 , 76, 3644-54	10.1	36
44	Comparative Secretome Analyses of Primary Murine White and Brown Adipocytes Reveal Novel Adipokines. <i>Molecular and Cellular Proteomics</i> , 2018 , 17, 2358-2370	7.6	35
43	Differential transcriptional modulation of biological processes in adipocyte triglyceride lipase and hormone-sensitive lipase-deficient mice. <i>Genomics</i> , 2008 , 92, 26-32	4.3	33
42	Blocking negative effects of senescence in human skin fibroblasts with a plant extract. <i>Npj Aging and Mechanisms of Disease</i> , 2018 , 4, 4	5.5	32
41	Let-7i-5p represses brite adipocyte function in mice and humans. <i>Scientific Reports</i> , 2016 , 6, 28613	4.9	30
40	Antimyeloma activity of the sesquiterpene lactone cnicin: impact on Pim-2 kinase as a novel therapeutic target. <i>Journal of Molecular Medicine</i> , 2012 , 90, 681-93	5.5	29
39	Lipid nanocarriers for microRNA delivery. <i>Chemistry and Physics of Lipids</i> , 2020 , 226, 104837	3.7	29
38	NR4A1-mediated apoptosis suppresses lymphomagenesis and is associated with a favorable cancer-specific survival in patients with aggressive B-cell lymphomas. <i>Blood</i> , 2014 , 123, 2367-77	2.2	26
37	Mesoderm-specific transcript (MEST) is a negative regulator of human adipocyte differentiation. <i>International Journal of Obesity</i> , 2015 , 39, 1733-41	5.5	25
36	Comprehensive Analysis of miRNome Alterations in Response to Sorafenib Treatment in Colorectal Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	24

35	Identification of microRNAs specific for high producer CHO cell lines using steady-state cultivation. <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 7535-48	5.7	23
34	Comprehensive analysis of alterations in the miRNome in response to photodynamic treatment. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013 , 120, 74-81	6.7	23
33	Oxytocin reverses osteoporosis in a sex-dependent manner. <i>Frontiers in Endocrinology</i> , 2015 , 6, 81	5.7	23
32	Arsenic trioxide induces apoptosis preferentially in B-CLL cells of patients with unfavourable prognostic factors including del17p13. <i>Journal of Molecular Medicine</i> , 2008 , 86, 541-52	5.5	22
31	A miR-29a-driven negative feedback loop regulates peripheral glucocorticoid receptor signaling. <i>FASEB Journal</i> , 2019 , 33, 5924-5941	0.9	21
30	Microarray profiling of preselected CHO host cell subclones identifies gene expression patterns associated with increased production capacity. <i>Biotechnology Journal</i> , 2015 , 10, 1625-38	5.6	21
29	Generation of a neuro-specific microarray reveals novel differentially expressed noncoding RNAs in mouse models for neurodegenerative diseases. <i>Rna</i> , 2014 , 20, 1929-43	5.8	21
28	Stathmin-like 2, a developmentally-associated neuronal marker, is expressed and modulated during osteogenesis of human mesenchymal stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 374, 64-8	3.4	21
27	Molecular and cellular effects of in vitro shockwave treatment on lymphatic endothelial cells. <i>PLoS ONE</i> , 2014 , 9, e114806	3.7	19
26	Hunting the needle in the haystack: a guide to obtain biologically meaningful microRNA targets. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 20266-89	6.3	18
25	MicroRNA Functions in Brite/Brown Fat - Novel Perspectives towards Anti-Obesity Strategies. <i>Computational and Structural Biotechnology Journal</i> , 2014 , 11, 101-5	6.8	17
24	Small non coding RNAs in adipocyte biology and obesity. <i>Molecular and Cellular Endocrinology</i> , 2017 , 456, 87-94	4.4	16
23	Actinomycin D induces p53-independent cell death and prolongs survival in high-risk chronic lymphocytic leukemia. <i>Leukemia</i> , 2012 , 26, 2508-16	10.7	15
22	MicroRNAs in adipocyte formation and obesity. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2016 , 30, 653-664	6.5	14
21	microRNAs in acute myeloid leukemia: expression patterns, correlations with genetic and clinical parameters, and prognostic significance. <i>Genes Chromosomes and Cancer</i> , 2010 , 49, 193-203	5	14
20	A signature of 12 microRNAs is robustly associated with growth rate in a variety of CHO cell lines. <i>Journal of Biotechnology</i> , 2016 , 235, 150-61	3.7	13
19	Arxes: retrotransposed genes required for adipogenesis. <i>Nucleic Acids Research</i> , 2011 , 39, 3224-39	20.1	12
18	Analysis of microRNA transcription and post-transcriptional processing by Dicer in the context of CHO cell proliferation. <i>Journal of Biotechnology</i> , 2014 , 190, 76-84	3.7	11

17	Micro-colony array based high throughput platform for enzyme library screening. <i>Journal of Biotechnology</i> , 2007 , 129, 162-70	3.7	10
16	The glucocorticoid receptor in brown adipocytes is dispensable for control of energy homeostasis. <i>EMBO Reports</i> , 2019 , 20, e48552	6.5	10
15	Comparative Gene Expression Analysis in WM164 Melanoma Cells Revealed That --Dimethylacrylshikonin Leads to ROS Generation, Loss of Mitochondrial Membrane Potential, and Autophagy Induction. <i>Molecules</i> , 2018 , 23,	4.8	9
14	Orphan GPR116 mediates the insulin sensitizing effects of the hepatokine FNDC4 in adipose tissue. <i>Nature Communications</i> , 2021 , 12, 2999	17.4	8
13	Norepinephrine triggers an immediate-early regulatory network response in primary human white adipocytes. <i>BMC Genomics</i> , 2018 , 19, 794	4.5	7
12	SNEV Regulates Adipogenesis of Human Adipose Stromal Cells. <i>Stem Cell Reports</i> , 2017 , 8, 21-29	8	6
11	Let β burn whatever you have: mitofusin 2 metabolically re-wires brown adipose tissue. <i>EMBO Reports</i> , 2017 , 18, 1039-1040	6.5	6
10	Planar optical sensors: A tool for screening enzyme activity in high density cell arrays. <i>Sensors and Actuators B: Chemical</i> , 2006 , 114, 984-994	8.5	6
9	Endocrine and autocrine/paracrine modulators of brown adipose tissue mass and activity as novel therapeutic strategies against obesity and type 2 diabetes. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2017 , 31,	1.3	5
8	Dynamic modeling of miRNA-mediated feed-forward loops. <i>Journal of Computational Biology</i> , 2012 , 19, 188-99	1.7	5
7	Microarray analysis of small non-coding RNAs. <i>Methods in Molecular Biology</i> , 2015 , 1296, 161-71	1.4	2
6	Regulatory Small and Long Noncoding RNAs in Brite/Brown Adipose Tissue. <i>Handbook of Experimental Pharmacology</i> , 2019 , 251, 215-237	3.2	2
5	Expression Profiling of a Heterogeneous Population of ncRNAs Employing a Mixed DNA/LNA Microarray. <i>Journal of Nucleic Acids</i> , 2012 , 2012, 283560	2.3	1
4	DNA Arrays for Transcriptional Profiling. <i>Methods in Microbiology</i> , 1999 , 28, 193-204	2.8	1
3	Delivery of miRNAs to the adipose organ for metabolic health.. <i>Advanced Drug Delivery Reviews</i> , 2022 , 181, 114110	18.5	1
2	HAND2 is a novel obesity-linked adipogenic transcription factor regulated by glucocorticoid signalling. <i>Diabetologia</i> , 2021 , 64, 1850-1865	10.3	1
1	MicroRNAs with Impact on Adipose Tissue Inflammation in Obesity 2015 , 163-184		