

Thomas D Schmittgen

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

172,661
citations

218592

26
h-index

214721

47
g-index

51
all docs

51
docs citations

51
times ranked

178058
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of Relative Gene Expression Data Using Real-Time Quantitative PCR and the $2^{-\Delta\Delta CT}$ Method. <i>Methods</i> , 2001, 25, 402-408.	1.9	145,087
2	Analyzing real-time PCR data by the comparative CT method. <i>Nature Protocols</i> , 2008, 3, 1101-1108.	5.5	21,086
3	Detection of microRNA Expression in Human Peripheral Blood Microvesicles. <i>PLoS ONE</i> , 2008, 3, e3694.	1.1	1,275
4	Expression profiling identifies microRNA signature in pancreatic cancer. <i>International Journal of Cancer</i> , 2006, 120, 1046-1054.	2.3	800
5	Ultraconserved Regions Encoding ncRNAs Are Altered in Human Leukemias and Carcinomas. <i>Cancer Cell</i> , 2007, 12, 215-229.	7.7	681
6	Real-time PCR quantification of precursor and mature microRNA. <i>Methods</i> , 2008, 44, 31-38.	1.9	512
7	Association of MicroRNA Expression in Hepatocellular Carcinomas with Hepatitis Infection, Cirrhosis, and Patient Survival. <i>Clinical Cancer Research</i> , 2008, 14, 419-427.	3.2	486
8	A high-throughput method to monitor the expression of microRNA precursors. <i>Nucleic Acids Research</i> , 2004, 32, 43e-43.	6.5	420
9	Comprehensive toxicity and immunogenicity studies reveal minimal effects in mice following sustained dosing of extracellular vesicles derived from HEK293T cells. <i>Journal of Extracellular Vesicles</i> , 2017, 6, 1324730.	5.5	357
10	Antisense Inhibition of microRNA-21 or -221 Arrests Cell Cycle, Induces Apoptosis, and Sensitizes the Effects of Gemcitabine in Pancreatic Adenocarcinoma. <i>Pancreas</i> , 2009, 38, e190-e199.	0.5	255
11	miR-221 Silencing Blocks Hepatocellular Carcinoma and Promotes Survival. <i>Cancer Research</i> , 2011, 71, 7608-7616.	0.4	206
12	miR-132 and miR-212 are increased in pancreatic cancer and target the retinoblastoma tumor suppressor. <i>Biochemical and Biophysical Research Communications</i> , 2011, 406, 518-523.	1.0	166
13	miR-199a-3p targets CD44 and reduces proliferation of CD44 positive hepatocellular carcinoma cell lines. <i>Biochemical and Biophysical Research Communications</i> , 2010, 403, 120-125.	1.0	133
14	MiRNA199a-3p suppresses tumor growth, migration, invasion and angiogenesis in hepatocellular carcinoma by targeting VEGFA, VEGFR1, VEGFR2, HGF and MMP2. <i>Cell Death and Disease</i> , 2017, 8, e2706-e2706.	2.7	131
15	The Role of MicroRNAs in Human Liver Cancers. <i>Seminars in Oncology</i> , 2011, 38, 752-763.	0.8	106
16	Regulation of microRNA processing in development, differentiation and cancer. <i>Journal of Cellular and Molecular Medicine</i> , 2008, 12, 1811-1819.	1.6	94
17	Achieving the Promise of Therapeutic Extracellular Vesicles: The Devil is in Details of Therapeutic Loading. <i>Pharmaceutical Research</i> , 2017, 34, 1053-1066.	1.7	94
18	Expression of prostate specific membrane antigen and three alternatively spliced variants of PSMA in prostate cancer patients. <i>International Journal of Cancer</i> , 2003, 107, 323-329.	2.3	85

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19	Low active loading of cargo into engineered extracellular vesicles results in inefficient miRNA mimic delivery. <i>Journal of Extracellular Vesicles</i> , 2017, 6, 1333882.	5.5	65
20	High-Throughput Real-Time PCR. <i>Methods in Molecular Biology</i> , 2008, 429, 89-98.	0.4	61
21	miR-221 regulates CD44 in hepatocellular carcinoma through the PI3K-AKT-mTOR pathway. <i>Biochemical and Biophysical Research Communications</i> , 2017, 487, 709-715.	1.0	45
22	Effects of local structural transformation of lipid-like compounds on delivery of messenger RNA. <i>Scientific Reports</i> , 2016, 6, 22137.	1.6	37
23	Globally increased ultraconserved noncoding RNA expression in pancreatic adenocarcinoma. <i>Oncotarget</i> , 2016, 7, 53165-53177.	0.8	37
24	RNA Isolation from Mouse Pancreas: A Ribonuclease-rich Tissue. <i>Journal of Visualized Experiments</i> , 2014, , e51779.	0.2	33
25	Exosomal miRNA Cargo as Mediator of Immune Escape Mechanisms in Neuroblastoma. <i>Cancer Research</i> , 2019, 79, 1293-1294.	0.4	31
26	Role of non-coding RNAs in tumor progression and metastasis in pancreatic cancer. <i>Cancer and Metastasis Reviews</i> , 2021, 40, 761-776.	2.7	28
27	miR-31: a master regulator of metastasis?. <i>Future Oncology</i> , 2010, 6, 17-20.	1.1	27
28	miR-216 and miR-217 expression is reduced in transgenic mouse models of pancreatic adenocarcinoma, knockout of miR-216/miR-217 host gene is embryonic lethal. <i>Functional and Integrative Genomics</i> , 2017, 17, 203-212.	1.4	27
29	Anti-invasion and anti-migration effects of miR-199a-3p in hepatocellular carcinoma are due in part to targeting CD151. <i>International Journal of Oncology</i> , 2016, 49, 2037-2045.	1.4	26
30	MicroRNAs Targeting Caspase-3 and -7 in PANC-1 Cells. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1206.	1.8	26
31	CD44 positive and sorafenib insensitive hepatocellular carcinomas respond to the ATP-competitive mTOR inhibitor INK128. <i>Oncotarget</i> , 2018, 9, 26032-26045.	0.8	26
32	Human Colon Mucosal Biofilms and Murine Host Communicate via Altered mRNA and microRNA Expression during Cancer. <i>MSystems</i> , 2020, 5, .	1.7	25
33	The pancreatic tumor microenvironment drives changes in miRNA expression that promote cytokine production and inhibit migration by the tumor associated stroma. <i>Oncotarget</i> , 2017, 8, 54054-54067.	0.8	22
34	Expression pattern of mouse homolog of prostate-specific membrane antigen (FOLH1) in the transgenic adenocarcinoma of the mouse prostate model. <i>Prostate</i> , 2003, 55, 308-316.	1.2	21
35	Cultured Human Bladder Tumors for Pharmacodynamic Studies. <i>Journal of Urology</i> , 1991, 145, 203-207.	0.2	19
36	Expression Profiling Identifies the Noncoding Processed Transcript of HNRNPU with Proliferative Properties in Pancreatic Ductal Adenocarcinoma. <i>Non-coding RNA</i> , 2017, 3, 24.	1.3	19

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37	Different pH dependency of mitomycin C activity in monolayer and three-dimensional cultures. <i>Pharmaceutical Research</i> , 1996, 13, 1887-1891.	1.7	14
38	Knockout of Acinar Enriched microRNAs in Mice Promote Duct Formation But Not Pancreatic Cancer. <i>Scientific Reports</i> , 2019, 9, 11147.	1.6	14
39	<i>In vitro</i> immunotoxicity assessment of culture-derived extracellular vesicles in human monocytes. <i>Journal of Immunotoxicology</i> , 2016, 13, 652-665.	0.9	13
40	Studies on the Antileishmanial Mechanism of Action of the Arylimidamide DB766: Azole Interactions and Role of CYP5122A1. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 4682-4689.	1.4	12
41	Alterations in mouse spinal cord and sciatic nerve microRNAs after the chronic constriction injury (CCI) model of neuropathic pain. <i>Neuroscience Letters</i> , 2020, 731, 135029.	1.0	12
42	Loss of RE-1 silencing transcription factor accelerates exocrine damage from pancreatic injury. <i>Cell Death and Disease</i> , 2020, 11, 138.	2.7	12
43	Method for improved integrity of RNA isolated from Matrigel cultures. <i>MethodsX</i> , 2020, 7, 100966.	0.7	11
44	Enrichment of the erythrocyte miR-451a in brain extracellular vesicles following impairment of the blood-brain barrier. <i>Neuroscience Letters</i> , 2021, 751, 135829.	1.0	11
45	Inhibition of pre-mRNA splicing by cisplatin and platinum analogs. <i>International Journal of Oncology</i> , 2003, 23, 785-9.	1.4	11
46	Method for Isolating Extracellular from Human Neural Stem Expanded Under Neurosphere Culture. <i>Methods in Molecular Biology</i> , 2022, 2389, 87-94.	0.4	1
47	Dual Epigenetic Control of CCAAT/Enhancer Binding Protein \pm (C/EBP \pm) Expression in Acute Myeloid Leukemia. <i>Blood</i> , 2007, 110, 2116-2116.	0.6	1
48	Simultaneous Detection of Primary, Precursor and Mature MicroRNAs by qPCR. <i>Molecular Medicine and Medicinal</i> , 2010, , 185-195.	0.4	0
49	Acinar Cell "Enriched" MicroRNA-802 Connects the Dots Between Kras Signaling, Acinar Ductal Metaplasia, and Pancreatic Cancer. <i>Gastroenterology</i> , 2021, , .	0.6	0
50	Diverse gene expression pattern during 5-fluorouridine-induced apoptosis. <i>International Journal of Oncology</i> , 2005, 27, 297-306.	1.4	0