

# Sven Diederichs

## List of Publications by Citations

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108  
papers

14,576  
citations

46  
h-index

116  
g-index

116  
ext. papers

16,346  
ext. citations

11.1  
avg, IF

6.69  
L-index

#	Paper	IF	Citations
108	Many roads to maturity: microRNA biogenesis pathways and their regulation. <i>Nature Cell Biology</i> , <b>2009</b> , 11, 228-34	23.4	2019
107	MALAT-1, a novel noncoding RNA, and thymosin beta4 predict metastasis and survival in early-stage non-small cell lung cancer. <i>Oncogene</i> , <b>2003</b> , 22, 8031-41	9.2	1669
106	Detection of mutations in EGFR in circulating lung-cancer cells. <i>New England Journal of Medicine</i> , <b>2008</b> , 359, 366-77	59.2	1399
105	The hallmarks of cancer: a long non-coding RNA point of view. <i>RNA Biology</i> , <b>2012</b> , 9, 703-19	4.8	1396
104	The noncoding RNA MALAT1 is a critical regulator of the metastasis phenotype of lung cancer cells. <i>Cancer Research</i> , <b>2013</b> , 73, 1180-9	10.1	1182
103	MALAT1 -- a paradigm for long noncoding RNA function in cancer. <i>Journal of Molecular Medicine</i> , <b>2013</b> , 91, 791-801	5.5	537
102	Dual role for argonautes in microRNA processing and posttranscriptional regulation of microRNA expression. <i>Cell</i> , <b>2007</b> , 131, 1097-108	56.2	512
101	Long noncoding RNA HOTTIP/HOXA13 expression is associated with disease progression and predicts outcome in hepatocellular carcinoma patients. <i>Hepatology</i> , <b>2014</b> , 59, 911-23	11.2	333
100	Loss of the abundant nuclear non-coding RNA MALAT1 is compatible with life and development. <i>RNA Biology</i> , <b>2012</b> , 9, 1076-87	4.8	304
99	Translocation products in acute myeloid leukemia activate the Wnt signaling pathway in hematopoietic cells. <i>Molecular and Cellular Biology</i> , <b>2004</b> , 24, 2890-904	4.8	254
98	Non-coding RNA in hepatocellular carcinoma: Mechanisms, biomarkers and therapeutic targets. <i>Journal of Hepatology</i> , <b>2017</b> , 67, 603-618	13.4	245
97	Epigenetically deregulated microRNA-375 is involved in a positive feedback loop with estrogen receptor alpha in breast cancer cells. <i>Cancer Research</i> , <b>2010</b> , 70, 9175-84	10.1	222
96	The four dimensions of noncoding RNA conservation. <i>Trends in Genetics</i> , <b>2014</b> , 30, 121-3	8.5	195
95	From junk to master regulators of invasion: lncRNA functions in migration, EMT and metastasis. <i>International Journal of Cancer</i> , <b>2016</b> , 139, 269-80	7.5	181
94	Posttranscriptional destabilization of the liver-specific long noncoding RNA HULC by the IGF2 mRNA-binding protein 1 (IGF2BP1). <i>Hepatology</i> , <b>2013</b> , 58, 1703-12	11.2	170
93	Tumor-derived exosomes modulate PD-L1 expression in monocytes. <i>Science Immunology</i> , <b>2017</b> , 2,	28	170
92	Argonaute proteins regulate microRNA stability: Increased microRNA abundance by Argonaute proteins is due to microRNA stabilization. <i>RNA Biology</i> , <b>2011</b> , 8, 1149-57	4.8	156

91	Sequence variations of microRNAs in human cancer: alterations in predicted secondary structure do not affect processing. <i>Cancer Research</i> , <b>2006</b> , 66, 6097-104	10.1	155
90	S100 family members and trypsinogens are predictors of distant metastasis and survival in early-stage non-small cell lung cancer. <i>Cancer Research</i> , <b>2004</b> , 64, 5564-9	10.1	154
89	The dark matter of the cancer genome: aberrations in regulatory elements, untranslated regions, splice sites, non-coding RNA and synonymous mutations. <i>EMBO Molecular Medicine</i> , <b>2016</b> , 8, 442-57	12	154
88	Tumor suppressive microRNAs miR-34a/c control cancer cell expression of ULBP2, a stress-induced ligand of the natural killer cell receptor NKG2D. <i>Cancer Research</i> , <b>2012</b> , 72, 460-71	10.1	144
87	Functionally defective germline variants of sialic acid acetyltransferase in autoimmunity. <i>Nature</i> , <b>2010</b> , 466, 243-7	50.4	129
86	miR-137 inhibits the invasion of melanoma cells through downregulation of multiple oncogenic target genes. <i>Journal of Investigative Dermatology</i> , <b>2013</b> , 133, 768-775	4.3	117
85	Noncoding RNA gene silencing through genomic integration of RNA destabilizing elements using zinc finger nucleases. <i>Genome Research</i> , <b>2011</b> , 21, 1944-54	9.7	114
84	Insulin-like growth factor 2 mRNA-binding protein 1 (IGF2BP1) is an important protumorigenic factor in hepatocellular carcinoma. <i>Hepatology</i> , <b>2014</b> , 59, 1900-11	11.2	113
83	Identification of metastasis-associated receptor tyrosine kinases in non-small cell lung cancer. <i>Cancer Research</i> , <b>2005</b> , 65, 1778-82	10.1	111
82	Epigenetic inactivation of the p53-induced long noncoding RNA TP53 target 1 in human cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, E7535-E7544	11.5	106
81	The IGF2 intronic miR-483 selectively enhances transcription from IGF2 fetal promoters and enhances tumorigenesis. <i>Genes and Development</i> , <b>2013</b> , 27, 2543-8	12.6	103
80	Challenges of CRISPR/Cas9 applications for long non-coding RNA genes. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, e12	20.1	101
79	MicroRNA biogenesis and cancer. <i>Methods in Molecular Biology</i> , <b>2011</b> , 676, 3-22	1.4	98
78	The cyclin A1-CDK2 complex regulates DNA double-strand break repair. <i>Molecular and Cellular Biology</i> , <b>2004</b> , 24, 8917-28	4.8	89
77	The Long Noncoding RNA Cancer Susceptibility 9 and RNA Binding Protein Heterogeneous Nuclear Ribonucleoprotein L Form a Complex and Coregulate Genes Linked to AKT Signaling. <i>Hepatology</i> , <b>2018</b> , 68, 1817-1832	11.2	85
76	Coexpression of Argonaute-2 enhances RNA interference toward perfect match binding sites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 9284-9	11.5	81
75	Genome-wide methylation screen in low-grade breast cancer identifies novel epigenetically altered genes as potential biomarkers for tumor diagnosis. <i>FASEB Journal</i> , <b>2012</b> , 26, 4937-50	0.9	72
74	Cyclin A1, the alternative A-type cyclin, contributes to G1/S cell cycle progression in somatic cells. <i>Oncogene</i> , <b>2005</b> , 24, 2739-44	9.2	70

73	Methylation of the cyclin A1 promoter correlates with gene silencing in somatic cell lines, while tissue-specific expression of cyclin A1 is methylation independent. <i>Molecular and Cellular Biology</i> , <b>2000</b> , 20, 3316-29	4.8	70
72	LIMT is a novel metastasis inhibiting lncRNA suppressed by EGF and downregulated in aggressive breast cancer. <i>EMBO Molecular Medicine</i> , <b>2016</b> , 8, 1052-64	12	66
71	The lncRNA VELUCT strongly regulates viability of lung cancer cells despite its extremely low abundance. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, 5458-5469	20.1	64
70	A pan-cancer analysis of synonymous mutations. <i>Nature Communications</i> , <b>2019</b> , 10, 2569	17.4	64
69	The cancer-associated microprotein CASIMO1 controls cell proliferation and interacts with squalene epoxidase modulating lipid droplet formation. <i>Oncogene</i> , <b>2018</b> , 37, 4750-4768	9.2	64
68	Invasion front-specific expression and prognostic significance of microRNA in colorectal liver metastases. <i>Cancer Science</i> , <b>2011</b> , 102, 1799-807	6.9	63
67	Detection of functionally active melanocortin receptors and evidence for an immunoregulatory activity of alpha-melanocyte-stimulating hormone in human dermal papilla cells. <i>Endocrinology</i> , <b>2005</b> , 146, 4635-46	4.8	52
66	Identification of interaction partners and substrates of the cyclin A1-CDK2 complex. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 33727-41	5.4	50
65	A cautionary tale of sense-antisense gene pairs: independent regulation despite inverse correlation of expression. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, 12496-12508	20.1	49
64	Cyclin A1 directly interacts with B-myb and cyclin A1/cdk2 phosphorylate B-myb at functionally important serine and threonine residues: tissue-specific regulation of B-myb function. <i>Blood</i> , <b>2001</b> , 97, 2091-7	2.2	47
63	R-DeeP: Proteome-wide and Quantitative Identification of RNA-Dependent Proteins by Density Gradient Ultracentrifugation. <i>Molecular Cell</i> , <b>2019</b> , 75, 184-199.e10	17.6	46
62	MIR100 host gene-encoded lncRNAs regulate cell cycle by modulating the interaction between HuR and its target mRNAs. <i>Nucleic Acids Research</i> , <b>2018</b> , 46, 10405-10416	20.1	44
61	c-myb Transactivates the Human Cyclin A1 Promoter and Induces Cyclin A1 Gene Expression. <i>Blood</i> , <b>1999</b> , 94, 4255-4262	2.2	42
60	Designer epigenome modifiers enable robust and sustained gene silencing in clinically relevant human cells. <i>Nucleic Acids Research</i> , <b>2018</b> , 46, 4456-4468	20.1	40
59	The long non-coding RNA LINC00152 is essential for cell cycle progression through mitosis in HeLa cells. <i>Scientific Reports</i> , <b>2017</b> , 7, 2265	4.9	36
58	Cyclin A1 is highly expressed in aggressive testicular germ cell tumors. <i>Cancer Letters</i> , <b>2003</b> , 190, 89-95	9.9	35
57	Loop-miRs: active microRNAs generated from single-stranded loop regions. <i>Nucleic Acids Research</i> , <b>2013</b> , 41, 5503-12	20.1	34
56	Long Noncoding RNAs in Lung Cancer. <i>Current Topics in Microbiology and Immunology</i> , <b>2016</b> , 394, 57-110	3.3	32

55	The lncRNA lincNMR regulates nucleotide metabolism via a YBX1 - RRM2 axis in cancer. <i>Nature Communications</i> , <b>2020</b> , 11, 3214	17.4	31
54	Evaluation of fluorescence in situ hybridization techniques to study long non-coding RNA expression in cultured cells. <i>Nucleic Acids Research</i> , <b>2018</b> , 46, e4	20.1	30
53	microRNA-379 couples glucocorticoid hormones to dysfunctional lipid homeostasis. <i>EMBO Journal</i> , <b>2015</b> , 34, 344-60	13	30
52	A Rap GTPase interactor, RADIL, mediates migration of neural crest precursors. <i>Genes and Development</i> , <b>2007</b> , 21, 2131-6	12.6	30
51	Adjuvant therapy with small hairpin RNA interference prevents non-small cell lung cancer metastasis development in mice. <i>Cancer Research</i> , <b>2008</b> , 68, 1896-904	10.1	29
50	Alternative splicing affects the subcellular localization of Drosha. <i>Nucleic Acids Research</i> , <b>2016</b> , 44, 5330-43	13.1	29
49	Argonaute-3 activates the let-7a passenger strand microRNA. <i>RNA Biology</i> , <b>2013</b> , 10, 1631-43	4.8	27
48	Genome-wide screening for prognosis-predicting genes in early-stage non-small-cell lung cancer. <i>Lung Cancer</i> , <b>2004</b> , 45 Suppl 2, S145-50	5.9	26
47	Rare Drosha splice variants are deficient in microRNA processing but do not affect general microRNA expression in cancer cells. <i>Neoplasia</i> , <b>2012</b> , 14, 238-48	6.4	24
46	A high-throughput screen identifies the long non-coding RNA DRAIC as a regulator of autophagy. <i>Oncogene</i> , <b>2019</b> , 38, 5127-5141	9.2	22
45	A systemic transcriptome analysis reveals the regulation of neural stem cell maintenance by an E2F1-miRNA feedback loop. <i>Nucleic Acids Research</i> , <b>2013</b> , 41, 3699-712	20.1	22
44	A novel long non-coding RNA from NBL2 pericentromeric macrosatellite forms a perinucleolar aggregate structure in colon cancer. <i>Nucleic Acids Research</i> , <b>2018</b> , 46, 5504-5524	20.1	20
43	Self-assembly is important for TIP47 function in mannose 6-phosphate receptor transport. <i>Traffic</i> , <b>2003</b> , 4, 18-25	5.7	20
42	Expression patterns of mitotic and meiotic cell cycle regulators in testicular cancer and development. <i>International Journal of Cancer</i> , <b>2005</b> , 116, 207-17	7.5	20
41	Cyclin A1 and gametogenesis in fertile and infertile patients: a potential new molecular diagnostic marker. <i>Human Reproduction</i> , <b>2002</b> , 17, 2338-43	5.7	20
40	RNA-binding proteins regulate the expression of the immune activating ligand MICB. <i>Nature Communications</i> , <b>2014</b> , 5, 4186	17.4	19
39	Targeting LINC00673 expression triggers cellular senescence in lung cancer. <i>RNA Biology</i> , <b>2018</b> , 15, 1499-1511	15.1	18
38	The expression of a viral microRNA is regulated by clustering to allow optimal B cell transformation. <i>Nucleic Acids Research</i> , <b>2016</b> , 44, 1326-41	20.1	16

37	RNA motifs and combinatorial prediction of interactions, stability and localization of noncoding RNAs. <i>Nature Structural and Molecular Biology</i> , <b>2018</b> , 25, 1070-1076	17.6	16
36	Molecular biology: Rap and chirp about X inactivation. <i>Nature</i> , <b>2015</b> , 521, 170-1	50.4	15
35	The Circular RNA Landscape of Non-Small Cell Lung Cancer Cells. <i>Cancers</i> , <b>2020</b> , 12,	6.6	15
34	Analyses of the genomic methylation status of the human cyclin A1 promoter by a novel real-time PCR-based methodology. <i>FEBS Letters</i> , <b>2001</b> , 490, 75-8	3.8	15
33	Mitochondrial mutations in human cancer: Curation of translation. <i>RNA Biology</i> , <b>2018</b> , 15, 62-69	4.8	14
32	Inhibitor of cyclin-dependent kinase (CDK) interacting with cyclin A1 (INCA1) regulates proliferation and is repressed by oncogenic signaling. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 28210-22	5.4	14
31	DNA damage response involves modulation of Ku70 and Rb functions by cyclin A1 in leukemia cells. <i>International Journal of Cancer</i> , <b>2007</b> , 121, 706-13	7.5	13
30	and the Adjacent Gene Are Epithelial Markers and Are Suppressed during Lung Cancer Tumorigenesis and Progression. <i>Non-coding RNA</i> , <b>2018</b> , 5,	7.1	13
29	Pulmonary metastasectomy for thyroid cancer as salvage therapy for radioactive iodine-refractory metastases. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2018</b> , 53, 625-630	3	12
28	Loss of expression of HDAC-recruiting methyl-CpG-binding domain proteins in human cancer. <i>British Journal of Cancer</i> , <b>2001</b> , 85, 1168-74	8.7	12
27	The Clinically Used Iron Chelator Deferasirox Is an Inhibitor of Epigenetic JumonjiC Domain-Containing Histone Demethylases. <i>ACS Chemical Biology</i> , <b>2019</b> , 14, 1737-1750	4.9	11
26	A functional yeast survival screen of tumor-derived cDNA libraries designed to identify anti-apoptotic mammalian oncogenes. <i>PLoS ONE</i> , <b>2013</b> , 8, e64873	3.7	11
25	Generation of murine tumor cell lines deficient in MHC molecule surface expression using the CRISPR/Cas9 system. <i>PLoS ONE</i> , <b>2017</b> , 12, e0174077	3.7	10
24	The S-phase-induced lncRNA promotes cell proliferation by controlling YAP1/Hippo signaling pathway. <i>ELife</i> , <b>2020</b> , 9,	8.9	10
23	Analysis of the genetic interactions between Cyclin A1, Atm and p53 during spermatogenesis. <i>Asian Journal of Andrology</i> , <b>2007</b> , 9, 739-50	2.8	9
22	Mitotic Diversity in Homeostatic Human Interfollicular Epidermis. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 17,	6.3	9
21	MutaRNA: analysis and visualization of mutation-induced changes in RNA structure. <i>Nucleic Acids Research</i> , <b>2020</b> , 48, W287-W291	20.1	8
20	tRNAs: new tricks from old dogs. <i>EMBO Journal</i> , <b>2014</b> , 33, 1981-3	13	6

19	MicroRNA Northern blotting, precursor cloning, and Ago2-improved RNA interference. <i>Methods in Molecular Biology</i> , <b>2011</b> , 676, 85-100	1.4	6
18	Identification of a heat-inducible novel nuclear body containing the long noncoding RNA MALAT1. <i>Journal of Cell Science</i> , <b>2021</b> , 134,	5.3	6
17	RBP2GO: a comprehensive pan-species database on RNA-binding proteins, their interactions and functions. <i>Nucleic Acids Research</i> , <b>2021</b> , 49, D425-D436	20.1	6
16	Successive increases in human cyclin A1 promoter activity during spermatogenesis in transgenic mice. <i>International Journal of Molecular Medicine</i> , <b>2003</b> , 11, 311-5	4.4	6
15	c-myb Transactivates the Human Cyclin A1 Promoter and Induces Cyclin A1 Gene Expression. <i>Blood</i> , <b>1999</b> , 94, 4255-4262	2.2	5
14	circ2GO: A Database Linking Circular RNAs to Gene Function. <i>Cancers</i> , <b>2020</b> , 12,	6.6	5
13	Identification, quantification and bioinformatic analysis of RNA-dependent proteins by RNase treatment and density gradient ultracentrifugation using R-DeeP. <i>Nature Protocols</i> , <b>2020</b> , 15, 1338-1370	18.8	4
12	Increased Level of Long Non-Coding RNA MALAT1 is a Common Feature of Amoeboid Invasion. <i>Cancers</i> , <b>2020</b> , 12,	6.6	3
11	A pan-cancer analysis reveals nonstop extension mutations causing SMAD4 tumour suppressor degradation. <i>Nature Cell Biology</i> , <b>2020</b> , 22, 999-1010	23.4	3
10	Micro-terminator: Hasta la vista, lncRNA! <i>Nature Structural and Molecular Biology</i> , <b>2015</b> , 22, 279-81	17.6	2
9	Long Noncoding RNA Function and Expression in Cancer <b>2012</b> , 197-226		2
8	Enhanced AC133-specific CAR T cell therapy induces durable remissions in mice with metastatic small cell lung cancer. <i>Cancer Letters</i> , <b>2021</b> , 520, 385-399	9.9	2
7	microRNA Biogenesis and its Impact on RNA Interference <b>2010</b> , 325-354		1
6	Systematic analysis of migration factors by MigExpress identifies essential cell migration control genes in non-small cell lung cancer. <i>Molecular Oncology</i> , <b>2021</b> , 15, 1797-1817	7.9	1
5	Chimeric oligonucleotides combining guide RNA and single-stranded DNA repair template effectively induce precision gene editing. <i>RNA Biology</i> , <b>2022</b> , 19, 588-593	4.8	1
4	Enhanced AC133-specific CAR T cell therapy induces durable remissions in mice with metastatic small cell lung cancer. <i>Cancer Letters</i> , <b>2022</b> , 538, 215697	9.9	1
3	Insights from the degradation mechanism of cyclin D into targeted therapy of the cancer cell cycle. <i>Signal Transduction and Targeted Therapy</i> , <b>2021</b> , 6, 311	21	0
2	Successive increases in human cyclin A1 promoter activity during spermatogenesis in transgenic mice. <i>International Journal of Molecular Medicine</i> , <b>2003</b> , 11, 311	4.4	

- 1 The Cyclin Interactor p26INCA1 Regulates the Hematopoietic Stem Cell Pool Via CDK Inhibition..  
*Blood*, **2007**, 110, 637-637

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