

Anders Sthlberg

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.

102 papers	5,975 citations	38 h-index	76 g-index
114 ext. papers	7,072 ext. citations	6.8 avg, IF	5.48 L-index

#	Paper	IF	Citations
102	The real-time polymerase chain reaction. <i>Molecular Aspects of Medicine</i> , 2006 , 27, 95-125	16.7	853
101	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). <i>European Journal of Immunology</i> , 2019 , 49, 1457-1973	6.1	485
100	Protective role of reactive astrocytes in brain ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008 , 28, 468-81	7.3	387
99	Gene expression profiling in single cells from the pancreatic islets of Langerhans reveals lognormal distribution of mRNA levels. <i>Genome Research</i> , 2005 , 15, 1388-92	9.7	292
98	Properties of the reverse transcription reaction in mRNA quantification. <i>Clinical Chemistry</i> , 2004 , 50, 509-15	5.5	289
97	Pericytes limit tumor cell metastasis. <i>Journal of Clinical Investigation</i> , 2006 , 116, 642-51	15.9	269
96	The multifunctional FUS, EWS and TAF15 proto-oncoproteins show cell type-specific expression patterns and involvement in cell spreading and stress response. <i>BMC Cell Biology</i> , 2008 , 9, 37		229
95	Comparison of reverse transcriptases in gene expression analysis. <i>Clinical Chemistry</i> , 2004 , 50, 1678-80	5.5	171
94	Switching the mode of metabolism in the yeast <i>Saccharomyces cerevisiae</i> . <i>EMBO Reports</i> , 2004 , 5, 532-7	6.5	135
93	Complement-derived anaphylatoxin C3a regulates in vitro differentiation and migration of neural progenitor cells. <i>Stem Cells</i> , 2009 , 27, 2824-32	5.8	125
92	Quantitative real-time PCR method for detection of B-lymphocyte monoclonality by comparison of kappa and lambda immunoglobulin light chain expression. <i>Clinical Chemistry</i> , 2003 , 49, 51-9	5.5	117
91	Astrocytes negatively regulate neurogenesis through the Jagged1-mediated Notch pathway. <i>Stem Cells</i> , 2012 , 30, 2320-9	5.8	108
90	FGF2 specifies hESC-derived definitive endoderm into foregut/midgut cell lineages in a concentration-dependent manner. <i>Stem Cells</i> , 2010 , 28, 45-56	5.8	105
89	Quantification of mRNA in single cells and modelling of RT-qPCR induced noise. <i>BMC Molecular Biology</i> , 2008 , 9, 63	4.5	93
88	FGF4 and retinoic acid direct differentiation of hESCs into PDX1-expressing foregut endoderm in a time- and concentration-dependent manner. <i>PLoS ONE</i> , 2009 , 4, e4794	3.7	85
87	Heterogeneity of astrocytes: from development to injury - single cell gene expression. <i>PLoS ONE</i> , 2013 , 8, e69734	3.7	84
86	Design and optimization of reverse-transcription quantitative PCR experiments. <i>Clinical Chemistry</i> , 2009 , 55, 1816-23	5.5	82

85	Defining cell populations with single-cell gene expression profiling: correlations and identification of astrocyte subpopulations. <i>Nucleic Acids Research</i> , 2011 , 39, e24	20.1	82
84	Single-cell gene expression profiling using reverse transcription quantitative real-time PCR. <i>Methods</i> , 2010 , 50, 282-8	4.6	81
83	Simple, multiplexed, PCR-based barcoding of DNA enables sensitive mutation detection in liquid biopsies using sequencing. <i>Nucleic Acids Research</i> , 2016 , 44, e105	20.1	81
82	Kinetic Outlier Detection (KOD) in real-time PCR. <i>Nucleic Acids Research</i> , 2003 , 31, e105	20.1	80
81	Detection of PCR products in real time using light-up probes. <i>Analytical Biochemistry</i> , 2000 , 287, 179-82	3.1	73
80	Simple multiplexed PCR-based barcoding of DNA for ultrasensitive mutation detection by next-generation sequencing. <i>Nature Protocols</i> , 2017 , 12, 664-682	18.8	65
79	Cell Cycle and Cell Size Dependent Gene Expression Reveals Distinct Subpopulations at Single-Cell Level. <i>Frontiers in Genetics</i> , 2017 , 8, 1	4.5	63
78	RT-qPCR work-flow for single-cell data analysis. <i>Methods</i> , 2013 , 59, 80-8	4.6	62
77	The workflow of single-cell expression profiling using quantitative real-time PCR. <i>Expert Review of Molecular Diagnostics</i> , 2014 , 14, 323-31	3.8	61
76	Distinct cytoplasmic and nuclear functions of the stress induced protein DDIT3/CHOP/GADD153. <i>PLoS ONE</i> , 2012 , 7, e33208	3.7	60
75	Identification of Distinct Breast Cancer Stem Cell Populations Based on Single-Cell Analyses of Functionally Enriched Stem and Progenitor Pools. <i>Stem Cell Reports</i> , 2016 , 6, 121-36	8	59
74	Quantitative PCR analysis of DNA, RNAs, and proteins in the same single cell. <i>Clinical Chemistry</i> , 2012 , 58, 1682-91	5.5	52
73	Attenuation of reactive gliosis does not affect infarct volume in neonatal hypoxic-ischemic brain injury in mice. <i>PLoS ONE</i> , 2010 , 5, e10397	3.7	49
72	Quantitative real-time PCR for cancer detection: the lymphoma case. <i>Expert Review of Molecular Diagnostics</i> , 2005 , 5, 221-30	3.8	46
71	Multiway real-time PCR gene expression profiling in yeast <i>Saccharomyces cerevisiae</i> reveals altered transcriptional response of ADH-genes to glucose stimuli. <i>BMC Genomics</i> , 2008 , 9, 170	4.5	44
70	Receptor for complement peptide C3a: a therapeutic target for neonatal hypoxic-ischemic brain injury. <i>FASEB Journal</i> , 2013 , 27, 3797-804	0.9	42
69	Direct cell lysis for single-cell gene expression profiling. <i>Frontiers in Oncology</i> , 2013 , 3, 274	5.3	41
68	Single-cell gene-expression profiling and its potential diagnostic applications. <i>Expert Review of Molecular Diagnostics</i> , 2011 , 11, 735-40	3.8	41

67	Myxoid liposarcoma FUS-DDIT3 fusion oncogene induces C/EBP beta-mediated interleukin 6 expression. <i>International Journal of Cancer</i> , 2005 , 115, 556-60	7.5	41
66	Considerations and quality controls when analyzing cell-free tumor DNA. <i>Biomolecular Detection and Quantification</i> , 2019 , 17, 100078	12	41
65	Recurrent promoter mutations in melanoma are defined by an extended context-specific mutational signature. <i>PLoS Genetics</i> , 2017 , 13, e1006773	6	40
64	Multiplex Preamplification of Serum DNA to Facilitate Reliable Detection of Extremely Rare Cancer Mutations in Circulating DNA by Digital PCR. <i>Journal of Molecular Diagnostics</i> , 2016 , 18, 235-43	5.1	32
63	Role of regulatory T cells in acute myeloid leukemia patients undergoing relapse-preventive immunotherapy. <i>Cancer Immunology, Immunotherapy</i> , 2017 , 66, 1473-1484	7.4	32
62	Growth-limiting role of endothelial cells in endoderm development. <i>Developmental Biology</i> , 2011 , 352, 267-77	3.1	30
61	Sortilin inhibition limits secretion-induced progranulin-dependent breast cancer progression and cancer stem cell expansion. <i>Breast Cancer Research</i> , 2018 , 20, 137	8.3	30
60	Elevated pyrimidine dimer formation at distinct genomic bases underlies promoter mutation hotspots in UV-exposed cancers. <i>PLoS Genetics</i> , 2018 , 14, e1007849	6	29
59	JAK-STAT signalling controls cancer stem cell properties including chemotherapy resistance in myxoid liposarcoma. <i>International Journal of Cancer</i> , 2019 , 145, 435-449	7.5	28
58	Combining sequence-specific probes and DNA binding dyes in real-time PCR for specific nucleic acid quantification and melting curve analysis. <i>BioTechniques</i> , 2006 , 40, 315-9	2.5	26
57	Cellular organization and molecular differentiation model of breast cancer-associated fibroblasts. <i>Molecular Cancer</i> , 2017 , 16, 73	42.1	25
56	Properties of targeted preamplification in DNA and cDNA quantification. <i>Expert Review of Molecular Diagnostics</i> , 2015 , 15, 1085-100	3.8	25
55	Patient-derived scaffolds uncover breast cancer promoting properties of the microenvironment. <i>Biomaterials</i> , 2020 , 235, 119705	15.6	25
54	Histamine promotes the development of monocyte-derived dendritic cells and reduces tumor growth by targeting the myeloid NADPH oxidase. <i>Journal of Immunology</i> , 2015 , 194, 5014-21	5.3	24
53	A conserved N-terminal motif is required for complex formation between FUS, EWSR1, TAF15 and their oncogenic fusion proteins. <i>FASEB Journal</i> , 2013 , 27, 4965-74	0.9	22
52	Quantitative transcription factor analysis of undifferentiated single human embryonic stem cells. <i>Clinical Chemistry</i> , 2009 , 55, 2162-70	5.5	22
51	MicroRNAs: From Female Fertility, Germ Cells, and Stem Cells to Cancer in Humans. <i>Stem Cells International</i> , 2016 , 2016, 3984937	5	22
50	FET family fusion oncoproteins target the SWI/SNF chromatin remodeling complex. <i>EMBO Reports</i> , 2019 , 20,	6.5	21

49	Impact of Polymerase Fidelity on Background Error Rates in Next-Generation Sequencing with Unique Molecular Identifiers/Barcodes. <i>Scientific Reports</i> , 2019 , 9, 3503	4.9	21
48	Plasticity response in the contralesional hemisphere after subtle neurotrauma: gene expression profiling after partial deafferentation of the hippocampus. <i>PLoS ONE</i> , 2013 , 8, e70699	3.7	21
47	Identification of Breast Cancer Stem Cell Related Genes Using Functional Cellular Assays Combined With Single-Cell RNA Sequencing in MDA-MB-231 Cells. <i>Frontiers in Genetics</i> , 2019 , 10, 500	4.5	19
46	Unique gene expression patterns indicate microglial contribution to neural stem cell recovery following irradiation. <i>Molecular and Cellular Neurosciences</i> , 2011 , 46, 710-9	4.8	19
45	Human oocyte maturation in vitro is improved by co-culture with cumulus cells from mature oocytes. <i>Reproductive BioMedicine Online</i> , 2018 , 36, 508-523	4	18
44	Detection of Circulating Tumor DNA in Plasma: A Potential Biomarker for Esophageal Adenocarcinoma. <i>Annals of Thoracic Surgery</i> , 2019 , 108, 343-349	2.7	18
43	Distinct gene expression signatures in human embryonic stem cells differentiated towards definitive endoderm at single-cell level. <i>Methods</i> , 2013 , 59, 59-70	4.6	18
42	Anti-Leukemic Properties of Histamine in Monocytic Leukemia: The Role of NOX2. <i>Frontiers in Oncology</i> , 2018 , 8, 218	5.3	17
41	Technical aspects and recommendations for single-cell qPCR. <i>Molecular Aspects of Medicine</i> , 2018 , 59, 28-35	16.7	16
40	The added value of single-cell gene expression profiling. <i>Briefings in Functional Genomics</i> , 2013 , 12, 81-9	4.9	16
39	Circulating cell-free tumor DNA analysis in pediatric cancers. <i>Molecular Aspects of Medicine</i> , 2020 , 72, 100819	16.7	16
38	The PEMDAC phase 2 study of pembrolizumab and entinostat in patients with metastatic uveal melanoma. <i>Nature Communications</i> , 2021 , 12, 5155	17.4	16
37	Global preamplification simplifies targeted mRNA quantification. <i>Scientific Reports</i> , 2017 , 7, 45219	4.9	15
36	Injury Leads to the Appearance of Cells with Characteristics of Both Microglia and Astrocytes in Mouse and Human Brain. <i>Cerebral Cortex</i> , 2017 , 27, 3360-3377	5.1	15
35	Plasma circulating tumor DNA as a potential tool for disease monitoring in head and neck cancer. <i>Head and Neck</i> , 2019 , 41, 1351-1358	4.2	15
34	Requirement for YAP1 signaling in myxoid liposarcoma. <i>EMBO Molecular Medicine</i> , 2019 , 11,	12	13
33	Hypoxia-induced secretion stimulates breast cancer stem cell regulatory signalling pathways. <i>Molecular Oncology</i> , 2019 , 13, 1693-1705	7.9	12
32	A role for endothelial cells in radiation-induced inflammation. <i>International Journal of Radiation Biology</i> , 2018 , 94, 259-271	2.9	12

31	Normal and functional TP53 in genetically stable myxoid/round cell liposarcoma. <i>PLoS ONE</i> , 2014 , 9, e113110	3.7	12
30	Lack of the brain-specific isoform of apoptosis-inducing factor aggravates cerebral damage in a model of neonatal hypoxia-ischemia. <i>Cell Death and Disease</i> , 2018 , 10, 3	9.8	12
29	Cell senescence in myxoid/round cell liposarcoma. <i>Sarcoma</i> , 2014 , 2014, 208786	3.1	11
28	HSP90 inhibition blocks ERBB3 and RET phosphorylation in myxoid/round cell liposarcoma and causes massive cell death in vitro and in vivo. <i>Oncotarget</i> , 2016 , 7, 433-45	3.3	11
27	Multilaboratory Assessment of a New Reference Material for Quality Assurance of Cell-Free Tumor DNA Measurements. <i>Journal of Molecular Diagnostics</i> , 2019 , 21, 658-676	5.1	10
26	Regulatory mechanisms, expression levels and proliferation effects of the FUS-DDIT3 fusion oncogene in liposarcoma. <i>Journal of Pathology</i> , 2016 , 238, 689-99	9.4	9
25	Fused in sarcoma (FUS) interacts with the cytolinker protein plectin: implications for FUS subcellular localization and function. <i>Experimental Cell Research</i> , 2012 , 318, 653-61	4.2	9
24	N-CAM exhibits a regulatory function in pathological angiogenesis in oxygen induced retinopathy. <i>PLoS ONE</i> , 2011 , 6, e26026	3.7	9
23	Neural cell adhesion molecule-deficient beta-cell tumorigenesis results in diminished extracellular matrix molecule expression and tumour cell-matrix adhesion. <i>Tumor Biology</i> , 2005 , 26, 103-12	2.9	8
22	Breast cancer patient-derived scaffolds as a tool to monitor chemotherapy responses in human tumor microenvironments. <i>Journal of Cellular Physiology</i> , 2021 , 236, 4709-4724	7	8
21	Patient-derived scaffolds as a drug-testing platform for endocrine therapies in breast cancer. <i>Scientific Reports</i> , 2021 , 11, 13334	4.9	7
20	Expression of inflammation/pain-related genes in the dorsal root ganglion following disc puncture in rats. <i>Journal of Orthopaedic Surgery</i> , 2016 , 24, 106-12	1.4	7
19	Patient-derived scaffolds as a model of colorectal cancer. <i>Cancer Medicine</i> , 2021 , 10, 867-882	4.8	7
18	Transcriptomic Characterization of the Human Cell Cycle in Individual Unsynchronized Cells. <i>Journal of Molecular Biology</i> , 2017 , 429, 3909-3924	6.5	6
17	The mevalonate precursor enzyme HMGCS1 is a novel marker and key mediator of cancer stem cell enrichment in luminal and basal models of breast cancer. <i>PLoS ONE</i> , 2020 , 15, e0236187	3.7	6
16	Classification of subpopulations of cells within human primary brain tumors by single cell gene expression profiling. <i>Neurochemical Research</i> , 2015 , 40, 336-52	4.6	5
15	Unravelling the biological secrets of microchimerism by single-cell analysis. <i>Briefings in Functional Genomics</i> , 2018 , 17, 255-264	4.9	4
14	Ultrasensitive DNA Immune Repertoire Sequencing Using Unique Molecular Identifiers. <i>Clinical Chemistry</i> , 2020 , 66, 1228-1237	5.5	4

13	Ultrasensitive circulating tumor DNA analysis enables precision medicine: experimental workflow considerations. <i>Expert Review of Molecular Diagnostics</i> , 2021 , 21, 299-310	3.8	4
12	Preamplification with dUTP and Cod UNG Enables Elimination of Contaminating Amplicons. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	3
11	Monitoring Circulating Tumor DNA During Surgical Treatment in Patients with Gastrointestinal Stromal Tumors. <i>Molecular Cancer Therapeutics</i> , 2021 , 20, 2568-2576	6.1	3
10	Characterization of cell-free breast cancer patient-derived scaffolds using liquid chromatography-mass spectrometry/mass spectrometry data and RNA sequencing data. <i>Data in Brief</i> , 2020 , 31, 105860	1.2	2
9	Optimized alginate-based 3D printed scaffolds as a model of patient derived breast cancer microenvironments in drug discovery. <i>Biomedical Materials (Bristol)</i> , 2021 , 16,	3.5	2
8	Identification of inhibitors regulating cell proliferation and FUS-DDIT3 expression in myxoid liposarcoma using combined DNA, mRNA, and protein analyses. <i>Laboratory Investigation</i> , 2018 , 98, 957-967	5.9	1
7	Recurrent promoter mutations in melanoma are defined by an extended context-specific mutational signature		1
6	Response to BRAF/MEK Inhibition in A598_T599insV BRAF Mutated Melanoma. <i>Case Reports in Oncology</i> , 2019 , 12, 872-879	1	1
5	Patient-derived scaffolds influence secretion profiles in cancer cells mirroring clinical features and breast cancer subtypes. <i>Cell Communication and Signaling</i> , 2021 , 19, 66	7.5	1
4	FUS-DDIT3 Fusion Oncoprotein Expression Affects JAK-STAT Signaling in Myxoid Liposarcoma.. <i>Frontiers in Oncology</i> , 2022 , 12, 816894	5.3	0
3	The Effect of Hypoxic and Normoxic Culturing Conditions in Different Breast Cancer 3D Model Systems. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 711977	5.8	0
2	Digital Quantification of Chemical Oligonucleotide Synthesis Errors. <i>Clinical Chemistry</i> , 2021 , 67, 1384-1394	3.5	0
1	5-fluorouracil treatment of patient-derived scaffolds from colorectal cancer reveal clinically critical information.. <i>Journal of Translational Medicine</i> , 2022 , 20, 209	8.5	