Anders Sthlberg

List of Publications by Year in Descending Order

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	FUS-DDIT3 Fusion Oncoprotein Expression Affects JAK-STAT Signaling in Myxoid Liposarcoma.. *Frontiers in Oncology*, **2022**, 12, 816894	5.3	0
101	5-fluorouracil treatment of patient-derived scaffolds from colorectal cancer reveal clinically critical information.. *Journal of Translational Medicine*, **2022**, 20, 209	8.5	
100	The Effect of Hypoxic and Normoxic Culturing Conditions in Different Breast Cancer 3D Model Systems. *Frontiers in Bioengineering and Biotechnology*, **2021**, 9, 711977	5.8	0
99	Breast cancer patient-derived scaffolds as a tool to monitor chemotherapy responses in human tumor microenvironments. *Journal of Cellular Physiology*, **2021**, 236, 4709-4724	7	8
98	Ultrasensitive circulating tumor DNA analysis enables precision medicine: experimental workflow considerations. *Expert Review of Molecular Diagnostics*, **2021**, 21, 299-310	3.8	4
97	Patient-derived scaffolds as a drug-testing platform for endocrine therapies in breast cancer. *Scientific Reports*, **2021**, 11, 13334	4.9	7
96	Optimized alginate-based 3D printed scaffolds as a model of patient derived breast cancer microenvironments in drug discovery. *Biomedical Materials (Bristol)*, **2021**, 16,	3.5	2
95	Patient-derived scaffolds influence secretion profiles in cancer cells mirroring clinical features and breast cancer subtypes. *Cell Communication and Signaling*, **2021**, 19, 66	7.5	1
94	The PEMDAC phase 2 study of pembrolizumab and entinostat in patients with metastatic uveal melanoma. *Nature Communications*, **2021**, 12, 5155	17.4	16
93	Digital Quantification of Chemical Oligonucleotide Synthesis Errors. *Clinical Chemistry*, **2021**, 67, 1384-1394	5.5	0
92	Monitoring Circulating Tumor DNA During Surgical Treatment in Patients with Gastrointestinal Stromal Tumors. *Molecular Cancer Therapeutics*, **2021**, 20, 2568-2576	6.1	3
91	Patient-derived scaffolds as a model of colorectal cancer. *Cancer Medicine*, **2021**, 10, 867-882	4.8	7
90	Characterization of cell-free breast cancer patient-derived scaffolds using liquid chromatography-mass spectrometry/mass spectrometry data and RNA sequencing data. *Data in Brief*, **2020**, 31, 105860	1.2	2
89	Patient-derived scaffolds uncover breast cancer promoting properties of the microenvironment. *Biomaterials*, **2020**, 235, 119705	15.6	25
88	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. *PLoS ONE*, **2020**, 15, e0236187	3.7	6
87	Ultrasensitive DNA Immune Repertoire Sequencing Using Unique Molecular Identifiers. *Clinical Chemistry*, **2020**, 66, 1228-1237	5.5	4
86	Circulating cell-free tumor DNA analysis in pediatric cancers. *Molecular Aspects of Medicine*, **2020**, 72, 100819	16.7	16

85	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). *European Journal of Immunology*, **2019**, 49, 1457-1973	6.1	485
84	JAK-STAT signalling controls cancer stem cell properties including chemotherapy resistance in myxoid liposarcoma. *International Journal of Cancer*, **2019**, 145, 435-449	7.5	28
83	Identification of Breast Cancer Stem Cell Related Genes Using Functional Cellular Assays Combined With Single-Cell RNA Sequencing in MDA-MB-231 Cells. *Frontiers in Genetics*, **2019**, 10, 500	4.5	19
82	Hypoxia-induced secretion stimulates breast cancer stem cell regulatory signalling pathways. *Molecular Oncology*, **2019**, 13, 1693-1705	7.9	12
81	Multilaboratory Assessment of a New Reference Material for Quality Assurance of Cell-Free Tumor DNA Measurements. *Journal of Molecular Diagnostics*, **2019**, 21, 658-676	5.1	10
80	FET family fusion oncoproteins target the SWI/SNF chromatin remodeling complex. *EMBO Reports*, **2019**, 20,	6.5	21
79	Requirement for YAP1 signaling in myxoid liposarcoma. *EMBO Molecular Medicine*, **2019**, 11,	12	13
78	Impact of Polymerase Fidelity on Background Error Rates in Next-Generation Sequencing with Unique Molecular Identifiers/Barcodes. *Scientific Reports*, **2019**, 9, 3503	4.9	21
77	Detection of Circulating Tumor DNA in Plasma: A Potential Biomarker for Esophageal Adenocarcinoma. *Annals of Thoracic Surgery*, **2019**, 108, 343-349	2.7	18
76	Response to BRAF/MEK Inhibition in A598_T599insV BRAF Mutated Melanoma. *Case Reports in Oncology*, **2019**, 12, 872-879	1	1
75	Considerations and quality controls when analyzing cell-free tumor DNA. *Biomolecular Detection and Quantification*, **2019**, 17, 100078	12	41
74	Plasma circulating tumor DNA as a potential tool for disease monitoring in head and neck cancer. *Head and Neck*, **2019**, 41, 1351-1358	4.2	15
73	Identification of inhibitors regulating cell proliferation and FUS-DDIT3 expression in myxoid liposarcoma using combined DNA, mRNA, and protein analyses. *Laboratory Investigation*, **2018**, 98, 957-967	5.9	1
72	Human oocyte maturation in vitro is improved by co-culture with cumulus cells from mature oocytes. *Reproductive BioMedicine Online*, **2018**, 36, 508-523	4	18
71	A role for endothelial cells in radiation-induced inflammation. *International Journal of Radiation Biology*, **2018**, 94, 259-271	2.9	12
70	Technical aspects and recommendations for single-cell qPCR. *Molecular Aspects of Medicine*, **2018**, 59, 28-35	16.7	16
69	Unravelling the biological secrets of microchimerism by single-cell analysis. *Briefings in Functional Genomics*, **2018**, 17, 255-264	4.9	4
68	Anti-Leukemic Properties of Histamine in Monocytic Leukemia: The Role of NOX2. *Frontiers in Oncology*, **2018**, 8, 218	5.3	17

67	Lack of the brain-specific isoform of apoptosis-inducing factor aggravates cerebral damage in a model of neonatal hypoxia-ischemia. *Cell Death and Disease*, **2018**, 10, 3	9.8	12
66	Sortilin inhibition limits secretion-induced progranulin-dependent breast cancer progression and cancer stem cell expansion. *Breast Cancer Research*, **2018**, 20, 137	8.3	30
65	Elevated pyrimidine dimer formation at distinct genomic bases underlies promoter mutation hotspots in UV-exposed cancers. *PLoS Genetics*, **2018**, 14, e1007849	6	29
64	Preamplification with dUTP and Cod UNG Enables Elimination of Contaminating Amplicons. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	3
63	Simple multiplexed PCR-based barcoding of DNA for ultrasensitive mutation detection by next-generation sequencing. *Nature Protocols*, **2017**, 12, 664-682	18.8	65
62	Global preamplification simplifies targeted mRNA quantification. *Scientific Reports*, **2017**, 7, 45219	4.9	15
61	Cellular organization and molecular differentiation model of breast cancer-associated fibroblasts. *Molecular Cancer*, **2017**, 16, 73	42.1	25
60	Injury Leads to the Appearance of Cells with Characteristics of Both Microglia and Astrocytes in Mouse and Human Brain. *Cerebral Cortex*, **2017**, 27, 3360-3377	5.1	15
59	Transcriptomic Characterization of the Human Cell Cycle in Individual Unsynchronized Cells. *Journal of Molecular Biology*, **2017**, 429, 3909-3924	6.5	6
58	Role of regulatory T cells in acute myeloid leukemia patients undergoing relapse-preventive immunotherapy. *Cancer Immunology, Immunotherapy*, **2017**, 66, 1473-1484	7.4	32
57	Cell Cycle and Cell Size Dependent Gene Expression Reveals Distinct Subpopulations at Single-Cell Level. *Frontiers in Genetics*, **2017**, 8, 1	4.5	63
56	Recurrent promoter mutations in melanoma are defined by an extended context-specific mutational signature. *PLoS Genetics*, **2017**, 13, e1006773	6	40
55	Regulatory mechanisms, expression levels and proliferation effects of the FUS-DDIT3 fusion oncogene in liposarcoma. *Journal of Pathology*, **2016**, 238, 689-99	9.4	9
54	Identification of Distinct Breast Cancer Stem Cell Populations Based on Single-Cell Analyses of Functionally Enriched Stem and Progenitor Pools. *Stem Cell Reports*, **2016**, 6, 121-36	8	59
53	Multiplex Preamplification of Serum DNA to Facilitate Reliable Detection of Extremely Rare Cancer Mutations in Circulating DNA by Digital PCR. *Journal of Molecular Diagnostics*, **2016**, 18, 235-43	5.1	32
52	HSP90 inhibition blocks ERBB3 and RET phosphorylation in myxoid/round cell liposarcoma and causes massive cell death in vitro and in vivo. *Oncotarget*, **2016**, 7, 433-45	3.3	11
51	MicroRNAs: From Female Fertility, Germ Cells, and Stem Cells to Cancer in Humans. *Stem Cells International*, **2016**, 2016, 3984937	5	22
50	Expression of inflammation/pain-related genes in the dorsal root ganglion following disc puncture in rats. *Journal of Orthopaedic Surgery*, **2016**, 24, 106-12	1.4	7

49	Simple, multiplexed, PCR-based barcoding of DNA enables sensitive mutation detection in liquid biopsies using sequencing. *Nucleic Acids Research*, **2016**, 44, e105	20.1	81
48	Properties of targeted preamplification in DNA and cDNA quantification. *Expert Review of Molecular Diagnostics*, **2015**, 15, 1085-100	3.8	25
47	Classification of subpopulations of cells within human primary brain tumors by single cell gene expression profiling. *Neurochemical Research*, **2015**, 40, 336-52	4.6	5
46	Histamine promotes the development of monocyte-derived dendritic cells and reduces tumor growth by targeting the myeloid NADPH oxidase. *Journal of Immunology*, **2015**, 194, 5014-21	5.3	24
45	The workflow of single-cell expression profiling using quantitative real-time PCR. *Expert Review of Molecular Diagnostics*, **2014**, 14, 323-31	3.8	61
44	Normal and functional TP53 in genetically stable myxoid/round cell liposarcoma. *PLoS ONE*, **2014**, 9, e113110	3.7	12
43	Cell senescence in myxoid/round cell liposarcoma. *Sarcoma*, **2014**, 2014, 208786	3.1	11
42	A conserved N-terminal motif is required for complex formation between FUS, EWSR1, TAF15 and their oncogenic fusion proteins. *FASEB Journal*, **2013**, 27, 4965-74	0.9	22
41	RT-qPCR work-flow for single-cell data analysis. *Methods*, **2013**, 59, 80-8	4.6	62
40	Receptor for complement peptide C3a: a therapeutic target for neonatal hypoxic-ischemic brain injury. *FASEB Journal*, **2013**, 27, 3797-804	0.9	42
39	Distinct gene expression signatures in human embryonic stem cells differentiated towards definitive endoderm at single-cell level. *Methods*, **2013**, 59, 59-70	4.6	18
38	The added value of single-cell gene expression profiling. *Briefings in Functional Genomics*, **2013**, 12, 81-9	4.9	16
37	Direct cell lysis for single-cell gene expression profiling. *Frontiers in Oncology*, **2013**, 3, 274	5.3	41
36	Plasticity response in the contralesional hemisphere after subtle neurotrauma: gene expression profiling after partial deafferentation of the hippocampus. *PLoS ONE*, **2013**, 8, e70699	3.7	21
35	Heterogeneity of astrocytes: from development to injury - single cell gene expression. *PLoS ONE*, **2013**, 8, e69734	3.7	84
34	Fused in sarcoma (FUS) interacts with the cytolinker protein plectin: implications for FUS subcellular localization and function. *Experimental Cell Research*, **2012**, 318, 653-61	4.2	9
33	Quantitative PCR analysis of DNA, RNAs, and proteins in the same single cell. *Clinical Chemistry*, **2012**, 58, 1682-91	5.5	52
32	Astrocytes negatively regulate neurogenesis through the Jagged1-mediated Notch pathway. *Stem Cells*, **2012**, 30, 2320-9	5.8	108

31	Distinct cytoplasmic and nuclear functions of the stress induced protein DDIT3/CHOP/GADD153. *PLoS ONE*, **2012**, 7, e33208	3.7	60
30	Unique gene expression patterns indicate microglial contribution to neural stem cell recovery following irradiation. *Molecular and Cellular Neurosciences*, **2011**, 46, 710-9	4.8	19
29	Growth-limiting role of endothelial cells in endoderm development. *Developmental Biology*, **2011**, 352, 267-77	3.1	30
28	N-CAM exhibits a regulatory function in pathological angiogenesis in oxygen induced retinopathy. *PLoS ONE*, **2011**, 6, e26026	3.7	9
27	Single-cell gene-expression profiling and its potential diagnostic applications. *Expert Review of Molecular Diagnostics*, **2011**, 11, 735-40	3.8	41
26	Defining cell populations with single-cell gene expression profiling: correlations and identification of astrocyte subpopulations. *Nucleic Acids Research*, **2011**, 39, e24	20.1	82
25	Single-cell gene expression profiling using reverse transcription quantitative real-time PCR. *Methods*, **2010**, 50, 282-8	4.6	81
24	FGF2 specifies hESC-derived definitive endoderm into foregut/midgut cell lineages in a concentration-dependent manner. *Stem Cells*, **2010**, 28, 45-56	5.8	105
23	Attenuation of reactive gliosis does not affect infarct volume in neonatal hypoxic-ischemic brain injury in mice. *PLoS ONE*, **2010**, 5, e10397	3.7	49
22	FGF4 and retinoic acid direct differentiation of hESCs into PDX1-expressing foregut endoderm in a time- and concentration-dependent manner. *PLoS ONE*, **2009**, 4, e4794	3.7	85
21	Quantitative transcription factor analysis of undifferentiated single human embryonic stem cells. *Clinical Chemistry*, **2009**, 55, 2162-70	5.5	22
20	Design and optimization of reverse-transcription quantitative PCR experiments. *Clinical Chemistry*, **2009**, 55, 1816-23	5.5	82
19	Complement-derived anaphylatoxin C3a regulates in vitro differentiation and migration of neural progenitor cells. *Stem Cells*, **2009**, 27, 2824-32	5.8	125
18	Protective role of reactive astrocytes in brain ischemia. *Journal of Cerebral Blood Flow and Metabolism*, **2008**, 28, 468-81	7.3	387
17	Multiway real-time PCR gene expression profiling in yeast Saccharomyces cerevisiae reveals altered transcriptional response of ADH-genes to glucose stimuli. *BMC Genomics*, **2008**, 9, 170	4.5	44
16	Quantification of mRNA in single cells and modelling of RT-qPCR induced noise. *BMC Molecular Biology*, **2008**, 9, 63	4.5	93
15	The multifunctional FUS, EWS and TAF15 proto-oncoproteins show cell type-specific expression patterns and involvement in cell spreading and stress response. *BMC Cell Biology*, **2008**, 9, 37		229
14	Pericytes limit tumor cell metastasis. *Journal of Clinical Investigation*, **2006**, 116, 642-51	15.9	269

13	Combining sequence-specific probes and DNA binding dyes in real-time PCR for specific nucleic acid quantification and melting curve analysis. *BioTechniques*, **2006**, 40, 315-9	2.5	26
12	The real-time polymerase chain reaction. *Molecular Aspects of Medicine*, **2006**, 27, 95-125	16.7	853
11	Neural cell adhesion molecule-deficient beta-cell tumorigenesis results in diminished extracellular matrix molecule expression and tumour cell-matrix adhesion. *Tumor Biology*, **2005**, 26, 103-12	2.9	8
10	Myxoid liposarcoma FUS-DDIT3 fusion oncogene induces C/EBP beta-mediated interleukin 6 expression. *International Journal of Cancer*, **2005**, 115, 556-60	7.5	41
9	Quantitative real-time PCR for cancer detection: the lymphoma case. *Expert Review of Molecular Diagnostics*, **2005**, 5, 221-30	3.8	46
8	Gene expression profiling in single cells from the pancreatic islets of Langerhans reveals lognormal distribution of mRNA levels. *Genome Research*, **2005**, 15, 1388-92	9.7	292
7	Properties of the reverse transcription reaction in mRNA quantification. *Clinical Chemistry*, **2004**, 50, 509-15	5.5	289
6	Switching the mode of metabolism in the yeast Saccharomyces cerevisiae. *EMBO Reports*, **2004**, 5, 532-7	6.5	135
5	Comparison of reverse transcriptases in gene expression analysis. *Clinical Chemistry*, **2004**, 50, 1678-80	5.5	171
4	Kinetic Outlier Detection (KOD) in real-time PCR. *Nucleic Acids Research*, **2003**, 31, e105	20.1	80
3	Quantitative real-time PCR method for detection of B-lymphocyte monoclonality by comparison of kappa and lambda immunoglobulin light chain expression. *Clinical Chemistry*, **2003**, 49, 51-9	5.5	117
2	Detection of PCR products in real time using light-up probes. *Analytical Biochemistry*, **2000**, 287, 179-82	3.1	73
1	Recurrent promoter mutations in melanoma are defined by an extended context-specific mutational signature		1