

# Fritz Aberger

## List of Publications by Year in descending order

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86  
papers

5,177  
citations

94433

37  
h-index

88630

70  
g-index

95  
all docs

95  
docs citations

95  
times ranked

7479  
citing authors

#	ARTICLE	IF	CITATIONS
1	GLI transcription factors: Mediators of oncogenic Hedgehog signalling. <i>European Journal of Cancer</i> , 2006, 42, 437-445.	2.8	353
2	<i>Drosophila</i> Genome-wide Obesity Screen Reveals Hedgehog as a Determinant of Brown versus White Adipose Cell Fate. <i>Cell</i> , 2010, 140, 148-160.	28.9	336
3	Dopamine transporter expression distinguishes dopaminergic neurons from other catecholaminergic neurons in the developing zebrafish embryo. <i>Mechanisms of Development</i> , 2001, 101, 237-243.	1.7	252
4	Hedgehog Partial Agonism Drives Warburg-like Metabolism in Muscle and Brown Fat. <i>Cell</i> , 2012, 151, 414-426.	28.9	237
5	Activation of the BCL2 Promoter in Response to Hedgehog/GLI Signal Transduction Is Predominantly Mediated by GLI2. <i>Cancer Research</i> , 2004, 64, 7724-7731.	0.9	227
6	Selective Modulation of Hedgehog/GLI Target Gene Expression by Epidermal Growth Factor Signaling in Human Keratinocytes. <i>Molecular and Cellular Biology</i> , 2006, 26, 6283-6298.	2.3	215
7	Epidermal Growth Factor Receptor Signaling Synergizes with Hedgehog/GLI in Oncogenic Transformation via Activation of the MEK/ERK/JUN Pathway. <i>Cancer Research</i> , 2009, 69, 1284-1292.	0.9	189
8	Human GLI2 and GLI1 are part of a positive feedback mechanism in Basal Cell Carcinoma. <i>Oncogene</i> , 2002, 21, 5529-5539.	5.9	184
9	Hedgehog-EGFR cooperation response genes determine the oncogenic phenotype of basal cell carcinoma and tumour-initiating pancreatic cancer cells. <i>EMBO Molecular Medicine</i> , 2012, 4, 218-233.	6.9	155
10	GLI2 Is Expressed in Normal Human Epidermis and BCC and Induces GLI1 Expression by Binding to its Promoter. <i>Journal of Investigative Dermatology</i> , 2004, 122, 1503-1509.	0.7	150
11	Anterior specification of embryonic ectoderm: the role of the <i>Xenopus</i> cement gland-specific gene XAG-2. <i>Mechanisms of Development</i> , 1998, 72, 115-130.	1.7	146
12	STAT3 regulated ARF expression suppresses prostate cancer metastasis. <i>Nature Communications</i> , 2015, 6, 7736.	12.8	136
13	Context-dependent signal integration by the GLI code: The oncogenic load, pathways, modifiers and implications for cancer therapy. <i>Seminars in Cell and Developmental Biology</i> , 2014, 33, 93-104.	5.0	135
14	Disruption of STAT3 signalling promotes KRAS-induced lung tumorigenesis. <i>Nature Communications</i> , 2015, 6, 6285.	12.8	124
15	Canonical and non-canonical Hedgehog signalling and the control of metabolism. <i>Seminars in Cell and Developmental Biology</i> , 2014, 33, 81-92.	5.0	117
16	Overlapping and distinct transcriptional regulator properties of the GLI1 and GLI2 oncogenes. <i>Genomics</i> , 2006, 87, 616-632.	2.9	95
17	The zinc-finger transcription factor GLI2 antagonizes contact inhibition and differentiation of human epidermal cells. <i>Oncogene</i> , 2004, 23, 1263-1274.	5.9	93
18	Expression profiling of aging in the human skin. <i>Experimental Gerontology</i> , 2006, 41, 387-397.	2.8	91

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19	Array-based profiling of ragweed and mugwort pollen allergens. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2008, 63, 1543-1549.	5.7	83
20	FOXE1, A New Transcriptional Target of GLI2 Is Expressed in Human Epidermis and Basal Cell Carcinoma. <i>Journal of Investigative Dermatology</i> , 2004, 122, 1180-1187.	0.7	77
21	Cell-type and Donor-specific Transcriptional Responses to Interferon- $\gamma$ . <i>Journal of Biological Chemistry</i> , 2002, 277, 49428-49437.	3.4	74
22	Synergism between Hedgehog-GLI and EGFR Signaling in Hedgehog-Responsive Human Medulloblastoma Cells Induces Downregulation of Canonical Hedgehog-Target Genes and Stabilized Expression of GLI1. <i>PLoS ONE</i> , 2013, 8, e65403.	2.5	72
23	Next-Generation Hedgehog/GLI Pathway Inhibitors for Cancer Therapy. <i>Cancers</i> , 2019, 11, 538.	3.7	70
24	From inflammation to gastric cancer – the importance of Hedgehog/GLI signaling in Helicobacter pylori-induced chronic inflammatory and neoplastic diseases. <i>Cell Communication and Signaling</i> , 2017, 15, 15.	6.5	67
25	Imiquimod directly inhibits Hedgehog signalling by stimulating adenosine receptor/protein kinase A-mediated GLI phosphorylation. <i>Oncogene</i> , 2013, 32, 5574-5581.	5.9	65
26	Non-consensus GLI binding sites in Hedgehog target gene regulation. <i>BMC Molecular Biology</i> , 2010, 11, 2.	3.0	64
27	Inhibition of GLI, but not Smoothed, induces apoptosis in chronic lymphocytic leukemia cells. <i>Oncogene</i> , 2010, 29, 4885-4895.	5.9	63
28	RNA expression profiling at the single molecule level. <i>Genome Research</i> , 2006, 16, 1041-1045.	5.5	62
29	IL-4 and IL-13 Induce SOCS-1 Gene Expression in A549 Cells by Three Functional STAT6-Binding Motifs Located Upstream of the Transcription Initiation Site. <i>Journal of Immunology</i> , 2003, 171, 5901-5907.	0.8	58
30	DYRK1B as therapeutic target in Hedgehog/GLI-dependent cancer cells with Smoothed inhibitor resistance. <i>Oncotarget</i> , 2016, 7, 7134-7148.	1.8	57
31	Canonical and Noncanonical Hedgehog/GLI Signaling in Hematological Malignancies. <i>Vitamins and Hormones</i> , 2012, 88, 25-54.	1.7	51
32	Hedgehog/GLI and PI3K signaling in the initiation and maintenance of chronic lymphocytic leukemia. <i>Oncogene</i> , 2015, 34, 5341-5351.	5.9	51
33	Cooperative Hedgehog-EGFR signaling. <i>Frontiers in Bioscience - Landmark</i> , 2012, 17, 90.	3.0	49
34	Acute myeloid leukemia – strategies and challenges for targeting oncogenic Hedgehog/GLI signaling. <i>Cell Communication and Signaling</i> , 2017, 15, 8.	6.5	47
35	Hedgehog/GLI signaling in tumor immunity - new therapeutic opportunities and clinical implications. <i>Cell Communication and Signaling</i> , 2019, 17, 172.	6.5	46
36	Granulomatous appendicitis: Crohn's disease, atypical Crohn's, or not Crohn's at all? The authors gratefully acknowledge the financial assistance of the R. James Trane Surgical Research and Data Center of the Gunderson Medical Foundation, La Crosse, WI.. <i>Journal of the American College of Surgeons</i> , 1997, 185, 13-17.	0.5	42

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37	Cyclopamine treatment of full-blown Hh/Ptch-associated RMS partially inhibits Hh/Ptch signaling, but not tumor growth. <i>Molecular Carcinogenesis</i> , 2008, 47, 361-372.	2.7	42
38	STAT3 promotes melanoma metastasis by CEBP-induced repression of the MITF pathway. <i>Oncogene</i> , 2021, 40, 1091-1105.	5.9	42
39	Dependency on the TYK2/STAT1/MCL1 axis in anaplastic large cell lymphoma. <i>Leukemia</i> , 2019, 33, 696-709.	7.2	40
40	Hedgehog signaling is involved in differentiation of normal colonic tissue rather than in tumor proliferation. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2009, 454, 369-379.	2.8	39
41	Targeting class I histone deacetylases by the novel small molecule inhibitor 4-SC-202 blocks oncogenic hedgehog-GLI signaling and overcomes smoothed inhibitor resistance. <i>International Journal of Cancer</i> , 2018, 142, 968-975.	5.1	39
42	STAT3 independent analysis reveals PDK4 as independent predictor of recurrence in prostate cancer. <i>Molecular Systems Biology</i> , 2020, 16, e9247.	7.2	38
43	GLI2-specific Transcriptional Activation of the Bone Morphogenetic Protein/Activin Antagonist Follistatin in Human Epidermal Cells. <i>Journal of Biological Chemistry</i> , 2008, 283, 12426-12437.	3.4	36
44	Tumor Stroma-Derived Wnt5a Induces Differentiation of Basal Cell Carcinoma of Ptch-Mutant Mice via CaMKII. <i>Cancer Research</i> , 2010, 70, 2739-2748.	0.9	36
45	The ratio of STAT1 to STAT3 expression is a determinant of colorectal cancer growth. <i>Oncotarget</i> , 2016, 7, 51096-51106.	1.8	34
46	Inactivation of Patched1 in Mice Leads to Development of Gastrointestinal Stromal-Like Tumors That Express Pdgfra but Not Kit. <i>Gastroenterology</i> , 2013, 144, 134-144.e6.	1.3	33
47	GLI1-dependent transcriptional repression of CYLD in basal cell carcinoma. <i>Oncogene</i> , 2011, 30, 4523-4530.	5.9	32
48	GLI1 repression of ERK activity correlates with colony formation and impaired migration in human epidermal keratinocytes. <i>Carcinogenesis</i> , 2008, 29, 738-746.	2.8	31
49	Lung Adenocarcinomas and Lung Cancer Cell Lines Show Association of MMP-1 Expression With STAT3 Activation. <i>Translational Oncology</i> , 2015, 8, 97-105.	3.7	31
50	Analysis of Gene Expression Using High-Density and IFN- $\beta$ -Specific Low-Density cDNA Arrays. <i>Genomics</i> , 2001, 77, 50-57.	2.9	27
51	Opioids drive breast cancer metastasis through the $\mu$ -opioid receptor and oncogenic STAT3. <i>Neoplasia</i> , 2021, 23, 270-279.	5.3	26
52	Efficient Manipulation of Hedgehog/GLI Signaling Using Retroviral Expression Systems. <i>Methods in Molecular Biology</i> , 2007, 397, 67-78.	0.9	25
53	Understanding cell signaling in cancer stem cells for targeted therapy – can phosphoproteomics help to reveal the secrets?. <i>Cell Communication and Signaling</i> , 2017, 15, 12.	6.5	25
54	Interaction between the TP63 and SHH pathways is an important determinant of epidermal homeostasis. <i>Cell Death and Differentiation</i> , 2013, 20, 1080-1088.	11.2	23

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55	Synergistic cross-talk of hedgehog and interleukin-6 signaling drives growth of basal cell carcinoma. <i>International Journal of Cancer</i> , 2018, 143, 2943-2954.	5.1	23
56	CD44 engagement enhances acute myeloid leukemia cell adhesion to the bone marrow microenvironment by increasing VLA-4 avidity. <i>Haematologica</i> , 2021, 106, 2102-2113.	3.5	22
57	An old friend with new skills: Imiquimod as novel inhibitor of Hedgehog signaling in basal cell carcinoma. <i>Oncoscience</i> , 2014, 1, 567-573.	2.2	22
58	Epidermal activation of Hedgehog signaling establishes an immunosuppressive microenvironment in basal cell carcinoma by modulating skin immunity. <i>Molecular Oncology</i> , 2020, 14, 1930-1946.	4.6	21
59	Microenvironment-induced CD44v6 promotes early disease progression in chronic lymphocytic leukemia. <i>Blood</i> , 2018, 131, 1337-1349.	1.4	18
60	The <i>Xenopus</i> homologue of hepatocyte growth factor-like protein is specifically expressed in the presumptive neural plate during gastrulation. <i>Mechanisms of Development</i> , 1996, 54, 23-37.	1.7	15
61	Loss of STAT3 in Lymphoma Relaxes NK Cell-Mediated Tumor Surveillance. <i>Cancers</i> , 2014, 6, 193-210.	3.7	13
62	ILK Induction in Lymphoid Organs by a TNF- $\alpha$ -NF- $\kappa$ B-Regulated Pathway Promotes the Development of Chronic Lymphocytic Leukemia. <i>Cancer Research</i> , 2016, 76, 2186-2196.	0.9	13
63	Neuronal differentiation in basal cell carcinoma: possible relationship to Hedgehog pathway activation?. <i>Journal of Pathology</i> , 2009, 219, 61-68.	4.5	10
64	The sound of tumor cell-microenvironment communication "composed by the Cancer Cluster Salzburg research network. <i>Cell Communication and Signaling</i> , 2017, 15, 20.	6.5	8
65	Proteins and Molecular Pathways Relevant for the Malignant Properties of Tumor-Initiating Pancreatic Cancer Cells. <i>Cells</i> , 2020, 9, 1397.	4.1	8
66	Gene expression pattern following photodynamic treatment of the carcinoma cell line A-431 analysed by cDNA arrays. <i>International Journal of Oncology</i> , 0, , .	3.3	8
67	Phosphoproteomics of short-term hedgehog signaling in human medulloblastoma cells. <i>Cell Communication and Signaling</i> , 2020, 18, 99.	6.5	7
68	Casein Kinase 1D Encodes a Novel Drug Target in Hedgehog-GLI-Driven Cancers and Tumor-Initiating Cells Resistant to SMO Inhibition. <i>Cancers</i> , 2021, 13, 4227.	3.7	7
69	Expression analysis of multiple myeloma CD138 negative progenitor cells using single molecule microarray readout. <i>Journal of Biotechnology</i> , 2013, 164, 525-530.	3.8	6
70	A Double-Hybridization Approach for the Transcription- and Amplification-Free Detection of Specific mRNA on a Microarray. <i>Microarrays (Basel, Switzerland)</i> , 2016, 5, 5.	1.4	6
71	A microfluidic multiwell chip for enzyme-free detection of mRNA from few cells. <i>Biosensors and Bioelectronics</i> , 2016, 86, 20-26.	10.1	6
72	Context-dependent modulation of aggressiveness of pediatric tumors by individual oncogenic RAS isoforms. <i>Oncogene</i> , 2021, 40, 4955-4966.	5.9	5

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73	Protein synthesis in murine organs during postimplantation development detected by two-dimensional gel electrophoresis. <i>Electrophoresis</i> , 1992, 13, 720-722.	2.4	4
74	A Member of the Met/HGF-Receptor Family Is Expressed in a BMP-4-like Pattern in the Ectoderm of <i>Xenopus</i> Gastrulae. <i>Biochemical and Biophysical Research Communications</i> , 1997, 231, 191-195.	2.1	4
75	Interplay of transcription factors STAT3, STAT1 and AP-1 mediates activity of the matrix metallo-proteinase-1 promoter in colorectal carcinoma cells. <i>Neoplasma</i> , 2019, 66, 357-366.	1.6	2
76	Ultrasensitive DNA detection on microarrays. , 2005, , .		1
77	Single molecule fluorescence microscopy for ultra-sensitive RNA expression profiling. , 2007, , .		1
78	Hedgehog/GLI signaling in cancer. , 0, , 109-127.		0
79	Oligonucleotide Microarray Analysis with Single Molecule Sensitivity. <i>Biophysical Journal</i> , 2009, 96, 313a.	0.5	0
80	Stemming cancer by Hedgehog pathway inhibition: from flies to bedside. <i>Memo - Magazine of European Medical Oncology</i> , 2010, 3, 3-6.	0.5	0
81	ID: 263. <i>Cytokine</i> , 2015, 76, 112.	3.2	0
82	GLI Proteins. , 2011, , 1552-1554.		0
83	GLI Proteins. , 2014, , 1-4.		0
84	Abstract 3138: IL-6/Stat3 signaling is an indispensable modulator of oncogene-induced cellular senescence. , 2014, , .		0
85	GLI Proteins. , 2016, , 1908-1910.		0
86	GLI Genes and Their Targets in Epidermal Development and Disease. , 2006, , 74-85.		0