

Florian R Greten

List of Publications by Year in descending order

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108
papers

36,176
citations

23500

58
h-index

27345

106
g-index

111
all docs

111
docs citations

111
times ranked

48076
citing authors

#	ARTICLE	IF	CITATIONS
1	Immunity, Inflammation, and Cancer. <i>Cell</i> , 2010, 140, 883-899.	13.5	8,516
2	NF- κ B: linking inflammation and immunity to cancer development and progression. <i>Nature Reviews Immunology</i> , 2005, 5, 749-759.	10.6	2,745
3	NF- κ B in cancer: from innocent bystander to major culprit. <i>Nature Reviews Cancer</i> , 2002, 2, 301-310.	12.8	2,341
4	IKK β Links Inflammation and Tumorigenesis in a Mouse Model of Colitis-Associated Cancer. <i>Cell</i> , 2004, 118, 285-296.	13.5	2,277
5	A framework for advancing our understanding of cancer-associated fibroblasts. <i>Nature Reviews Cancer</i> , 2020, 20, 174-186.	12.8	2,012
6	Inflammation and Cancer: Triggers, Mechanisms, and Consequences. <i>Immunity</i> , 2019, 51, 27-41.	6.6	1,946
7	IKK- β links inflammation to obesity-induced insulin resistance. <i>Nature Medicine</i> , 2005, 11, 191-198.	15.2	1,591
8	Activation by IKK α of a Second, Evolutionary Conserved, NF- κ B Signaling Pathway. <i>Science</i> , 2001, 293, 1495-1499.	6.0	1,278
9	Intestinal Tumorigenesis Initiated by Dedifferentiation and Acquisition of Stem-Cell-like Properties. <i>Cell</i> , 2013, 152, 25-38.	13.5	889
10	gp130-Mediated Stat3 Activation in Enterocytes Regulates Cell Survival and Cell-Cycle Progression during Colitis-Associated Tumorigenesis. <i>Cancer Cell</i> , 2009, 15, 91-102.	7.7	852
11	IL-6R/STAT3/miR-34a feedback loop promotes EMT-mediated colorectal cancer invasion and metastasis. <i>Journal of Clinical Investigation</i> , 2014, 124, 1853-1867.	3.9	613
12	NF- κ B Is a Negative Regulator of IL-1 β Secretion as Revealed by Genetic and Pharmacological Inhibition of IKK β . <i>Cell</i> , 2007, 130, 918-931.	13.5	566
13	The two faces of IKK and NF- κ B inhibition: prevention of systemic inflammation but increased local injury following intestinal ischemia-reperfusion. <i>Nature Medicine</i> , 2003, 9, 575-581.	15.2	506
14	Epithelial-cell-intrinsic IKK- β expression regulates intestinal immune homeostasis. <i>Nature</i> , 2007, 446, 552-556.	13.7	479
15	Macrophage Apoptosis by Anthrax Lethal Factor Through p38 MAP Kinase Inhibition. <i>Science</i> , 2002, 297, 2048-2051.	6.0	468
16	IKK β Provides an Essential Link between RANK Signaling and Cyclin D1 Expression during Mammary Gland Development. <i>Cell</i> , 2001, 107, 763-775.	13.5	459
17	The IKK/NF- κ B activation pathway is a target for prevention and treatment of cancer. <i>Cancer Letters</i> , 2004, 206, 193-199.	3.2	378
18	High-fat-diet-mediated dysbiosis promotes intestinal carcinogenesis independently of obesity. <i>Nature</i> , 2014, 514, 508-512.	13.7	366

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19	IKK/NF- κ B and STAT3 pathways: central signalling hubs in inflammation-mediated tumour promotion and metastasis. <i>EMBO Reports</i> , 2009, 10, 1314-1319.	2.0	364
20	Interleukin-11 Is the Dominant IL-6 Family Cytokine during Gastrointestinal Tumorigenesis and Can Be Targeted Therapeutically. <i>Cancer Cell</i> , 2013, 24, 257-271.	7.7	341
21	ROS Production and NF- κ B Activation Triggered by RAC1 Facilitate WNT-Driven Intestinal Stem Cell Proliferation and Colorectal Cancer Initiation. <i>Cell Stem Cell</i> , 2013, 12, 761-773.	5.2	340
22	Signaling Pathways and Genes that Inhibit Pathogen-Induced Macrophage Apoptosis— CREB and NF- κ B as Key Regulators. <i>Immunity</i> , 2005, 23, 319-329.	6.6	289
23	Hypoxia-inducible factors 1 and 2 are important transcriptional effectors in primary macrophages experiencing hypoxia. <i>Blood</i> , 2009, 114, 844-859.	0.6	271
24	The inflammatory pathogenesis of colorectal cancer. <i>Nature Reviews Immunology</i> , 2021, 21, 653-667.	10.6	270
25	Loss of p53 in Enterocytes Generates an Inflammatory Microenvironment Enabling Invasion and Lymph Node Metastasis of Carcinogen-Induced Colorectal Tumors. <i>Cancer Cell</i> , 2013, 23, 93-106.	7.7	241
26	Myeloid Cell-Derived Reactive Oxygen Species Induce Epithelial Mutagenesis. <i>Cancer Cell</i> , 2017, 32, 869-883.e5.	7.7	232
27	Aberrant epithelial GREM1 expression initiates colonic tumorigenesis from cells outside the stem cell niche. <i>Nature Medicine</i> , 2015, 21, 62-70.	15.2	213
28	Glutathione peroxidase 4 prevents necroptosis in mouse erythroid precursors. <i>Blood</i> , 2016, 127, 139-148.	0.6	192
29	I κ B-kinase-dependent NF- κ B activation provides radioprotection to the intestinal epithelium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 2452-2457.	3.3	185
30	STAT3 activation through IL-6/IL-11 in cancer-associated fibroblasts promotes colorectal tumour development and correlates with poor prognosis. <i>Gut</i> , 2020, 69, 1269-1282.	6.1	181
31	A murine tumor progression model for pancreatic cancer recapitulating the genetic alterations of the human disease. <i>Genes and Development</i> , 2001, 15, 286-293.	2.7	178
32	Inflammation and mitochondrial fatty acid β -oxidation link obesity to early tumor promotion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 3354-3359.	3.3	174
33	High levels of the soluble programmed death-ligand (sPD-L1) identify hepatocellular carcinoma patients with a poor prognosis. <i>European Journal of Cancer</i> , 2016, 59, 152-159.	1.3	174
34	Fructose stimulated de novo lipogenesis is promoted by inflammation. <i>Nature Metabolism</i> , 2020, 2, 1034-1045.	5.1	174
35	Cell plasticity in epithelial homeostasis and tumorigenesis. <i>Nature Cell Biology</i> , 2017, 19, 1133-1141.	4.6	170
36	Ink4a/Arf and Oncogene-Induced Senescence Prevent Tumor Progression during Alternative Colorectal Tumorigenesis. <i>Cancer Cell</i> , 2010, 18, 135-146.	7.7	164

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37	Therapeutic Ablation of Gain-of-Function Mutant p53 in Colorectal Cancer Inhibits Stat3-Mediated Tumor Growth and Invasion. <i>Cancer Cell</i> , 2018, 34, 298-314.e7.	7.7	162
38	Mesenchymal Cells in Colon Cancer. <i>Gastroenterology</i> , 2017, 152, 964-979.	0.6	158
39	Stat3 and NF- κ B activation prevents apoptosis in pancreatic carcinogenesis. <i>Gastroenterology</i> , 2002, 123, 2052-2063.	0.6	155
40	Nonconventional Initiation Complex Assembly by STAT and NF- κ B Transcription Factors Regulates Nitric Oxide Synthase Expression. <i>Immunity</i> , 2010, 33, 25-34.	6.6	151
41	Opposing functions of IKK β during acute and chronic intestinal inflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 15058-15063.	3.3	148
42	Linear ubiquitination of cytosolic Salmonella Typhimurium activates NF- κ B and restricts bacterial proliferation. <i>Nature Microbiology</i> , 2017, 2, 17066.	5.9	145
43	The Gastrointestinal Tumor Microenvironment. <i>Gastroenterology</i> , 2013, 145, 63-78.	0.6	123
44	Inflammatory fibroblasts mediate resistance to neoadjuvant therapy in rectal cancer. <i>Cancer Cell</i> , 2022, 40, 168-184.e13.	7.7	117
45	IKK β acts as a tumor suppressor in cancer-associated fibroblasts during intestinal tumorigenesis. <i>Journal of Experimental Medicine</i> , 2015, 212, 2253-2266.	4.2	116
46	Oocyte DNA damage quality control requires consecutive interplay of CHK2 and CK1 to activate p63. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 261-269.	3.6	112
47	Inflammation and cancer: tissue regeneration gone awry. <i>Current Opinion in Cell Biology</i> , 2016, 43, 55-61.	2.6	110
48	Modulating inflammation for cancer therapy. <i>Journal of Experimental Medicine</i> , 2019, 216, 1234-1243.	4.2	108
49	IRF3 is an essential co-activator for LPS-induced IL-1 β transcription in vivo. <i>Journal of Experimental Medicine</i> , 2010, 207, 2621-2630.	4.2	95
50	Tumor fibroblast-derived epiregulin promotes growth of colitis-associated neoplasms through ERK. <i>Journal of Clinical Investigation</i> , 2013, 123, 1428-1443.	3.9	95
51	Mitophagy in Intestinal Epithelial Cells Triggers Adaptive Immunity during Tumorigenesis. <i>Cell</i> , 2018, 174, 88-101.e16.	13.5	93
52	IKK β controls p52/RelB at the <i>skp2</i> gene promoter to regulate G1- to S-phase progression. <i>EMBO Journal</i> , 2006, 25, 3801-3812.	3.5	89
53	Up and downregulation of p16Ink4a expression in BRAF-mutated polyps/adenomas indicates a senescence barrier in the serrated route to colon cancer. <i>Modern Pathology</i> , 2011, 24, 1015-1022.	2.9	88
54	Polyol Pathway Links Glucose Metabolism to the Aggressiveness of Cancer Cells. <i>Cancer Research</i> , 2018, 78, 1604-1618.	0.4	83

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55	Opioid receptors from a lower vertebrate (<i>Catostomus commersoni</i>): Sequence, pharmacology, coupling to a G-protein-gated inward-rectifying potassium channel (GIRK1), and evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 8214-8219.	3.3	79
56	EGFR in Tumor-Associated Myeloid Cells Promotes Development of Colorectal Cancer in Mice and Associates With Outcomes of Patients. <i>Gastroenterology</i> , 2017, 153, 178-190.e10.	0.6	72
57	Immune cell - produced ROS and their impact on tumor growth and metastasis. <i>Redox Biology</i> , 2021, 42, 101891.	3.9	72
58	Inhibiting signal transducer and activator of transcription 3: rationality and rationale design of inhibitors. <i>Expert Opinion on Investigational Drugs</i> , 2011, 20, 1263-1275.	1.9	68
59	Pseudo-HE images derived from CARS/TPEF/SHG multimodal imaging in combination with Raman-spectroscopy as a pathological screening tool. <i>BMC Cancer</i> , 2016, 16, 534.	1.1	66
60	A Wnt-Induced Phenotypic Switch in Cancer-Associated Fibroblasts Inhibits EMT in Colorectal Cancer. <i>Cancer Research</i> , 2020, 80, 5569-5582.	0.4	64
61	Bcl-2 is a critical mediator of intestinal transformation. <i>Nature Communications</i> , 2016, 7, 10916.	5.8	55
62	IKK β controls ATG16L1 degradation to prevent ER stress during inflammation. <i>Journal of Experimental Medicine</i> , 2017, 214, 423-437.	4.2	55
63	Card9-dependent IL-1 β regulates IL-22 production from group 3 innate lymphoid cells and promotes colitis-associated cancer. <i>European Journal of Immunology</i> , 2017, 47, 1342-1353.	1.6	54
64	Transgenic overexpression of amphiregulin induces a mitogenic response selectively in pancreatic duct cells. <i>Gastroenterology</i> , 2002, 122, 1898-1912.	0.6	51
65	The architect who never sleeps: Tumor-induced plasticity. <i>FEBS Letters</i> , 2014, 588, 2422-2427.	1.3	50
66	Concurrent video-rate color and near-infrared fluorescence laparoscopy. <i>Journal of Biomedical Optics</i> , 2013, 18, 101302.	1.4	48
67	TGF β 2 pathway limits dedifferentiation following WNT and MAPK pathway activation to suppress intestinal tumorigenesis. <i>Cell Death and Differentiation</i> , 2017, 24, 1681-1693.	5.0	48
68	AKT-dependent NOTCH3 activation drives tumor progression in a model of mesenchymal colorectal cancer. <i>Journal of Experimental Medicine</i> , 2020, 217, .	4.2	48
69	S1PR4 ablation reduces tumor growth and improves chemotherapy via CD8+ T cell expansion. <i>Journal of Clinical Investigation</i> , 2020, 130, 5461-5476.	3.9	48
70	Inducible mouse models of colon cancer for the analysis of sporadic and inflammation-driven tumor progression and lymph node metastasis. <i>Nature Protocols</i> , 2021, 16, 61-85.	5.5	46
71	TGF β transgenic mice. <i>Pancreatology</i> , 2001, 1, 363-368.	0.5	43
72	Genetically Induced Pancreatic Adenocarcinoma Is Highly Immunogenic and Causes Spontaneous Tumor-Specific Immune Responses. <i>Cancer Research</i> , 2006, 66, 508-516.	0.4	40

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73	Regulation of cyclin D1 expression by autocrine IGF-I in human BON neuroendocrine tumour cells. <i>Oncogene</i> , 2005, 24, 1284-1289.	2.6	38
74	IKK- and NF- κ B-Mediated Functions in Carcinogenesis. <i>Current Topics in Microbiology and Immunology</i> , 2010, 349, 159-169.	0.7	37
75	Cyclosporine Inhibits Growth through the Activating Transcription Factor/cAMP-responsive Element-binding Protein Binding Site in the Cyclin D1 Promoter. <i>Journal of Biological Chemistry</i> , 2002, 277, 43599-43607.	1.6	35
76	TNF- α -dependent loss of IKK β -deficient myeloid progenitors triggers a cytokine loop culminating in granulocytosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 6567-6572.	3.3	34
77	<i>Trp53</i> Deficiency Protects against Acute Intestinal Inflammation. <i>Journal of Immunology</i> , 2013, 191, 837-847.	0.4	34
78	Selective <i>In Vivo</i> Imaging of Syngeneic, Spontaneous, and Xenograft Tumors Using a Novel Tumor Cell-Specific Hsp70 Peptide-Based Probe. <i>Cancer Research</i> , 2014, 74, 6903-6912.	0.4	28
79	NoxO1 Controls Proliferation of Colon Epithelial Cells. <i>Frontiers in Immunology</i> , 2018, 9, 973.	2.2	27
80	Circulating hypoxia marker carbonic anhydrase IX (CA9) in patients with hepatocellular carcinoma and patients with cirrhosis. <i>PLoS ONE</i> , 2018, 13, e0200855.	1.1	24
81	IKK α Promotes Intestinal Tumorigenesis by Limiting Recruitment of M1-like Polarized Myeloid Cells. <i>Cell Reports</i> , 2014, 7, 1914-1925.	2.9	22
82	Fungi Enter the Stage of Colon Carcinogenesis. <i>Immunity</i> , 2018, 49, 384-386.	6.6	22
83	The Prosurvival IKK-Related Kinase IKK μ Integrates LPS and IL17A Signaling Cascades to Promote Wnt-Dependent Tumor Development in the Intestine. <i>Cancer Research</i> , 2016, 76, 2587-2599.	0.4	21
84	Systematic evaluation of the biological variance within the Raman based colorectal tissue diagnostics. <i>Journal of Biophotonics</i> , 2016, 9, 533-541.	1.1	19
85	YAP1 Takes Over when Oncogenic K-Ras Slumbers. <i>Cell</i> , 2014, 158, 11-12.	13.5	18
86	Pattern of secondary genomic changes in pancreatic tumors of <i>Tgflβ/Trp53+</i> transgenic mice. <i>Genes Chromosomes and Cancer</i> , 2003, 38, 240-248.	1.5	17
87	Murine pancreatic tumor cell line TD2 bears the characteristic pattern of genetic changes with two independently amplified gene loci. <i>Oncogene</i> , 2003, 22, 6802-6809.	2.6	17
88	Tumour stem-cell surprises. <i>Nature</i> , 2017, 543, 626-627.	13.7	16
89	Tolerizing CTL by Sustained Hepatic PD-L1 Expression Provides a New Therapy Approach in Mouse Sepsis. <i>Theranostics</i> , 2019, 9, 2003-2016.	4.6	13
90	Loss of Stat6 affects chromatin condensation in intestinal epithelial cells causing diverse outcome in murine models of inflammation-associated and sporadic colon carcinogenesis. <i>Oncogene</i> , 2019, 38, 1787-1801.	2.6	13

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91	TAK1 and IKK2, novel mediators of SCF-induced signaling and potential targets for c-Kit-driven diseases. <i>Oncotarget</i> , 2015, 6, 28833-28850.	0.8	13
92	Subthreshold IKK activation modulates the effector functions of primary mast cells and allows specific targeting of transformed mast cells. <i>Oncotarget</i> , 2015, 6, 5354-5368.	0.8	12
93	Peering into the aftermath: JAKi rips STAT3 in cancer. <i>Nature Medicine</i> , 2010, 16, 1085-1087.	15.2	11
94	KMT9 Controls Stemness and Growth of Colorectal Cancer. <i>Cancer Research</i> , 2022, 82, 210-220.	0.4	11
95	TAK1: Another mesh in the NF- κ B $\hat{=}$ JNK controlled network causing hepatocellular carcinoma. <i>Journal of Hepatology</i> , 2011, 55, 721-723.	1.8	10
96	Disruption of Prostaglandin E2 Signaling in Cancer-Associated Fibroblasts Limits Mammary Carcinoma Growth but Promotes Metastasis. <i>Cancer Research</i> , 2022, 82, 1380-1395.	0.4	10
97	Targeting c-MYC through Interference with NAMPT and SIRT1 and Their Association to Oncogenic Drivers in Murine Serrated Intestinal Tumorigenesis. <i>Neoplasia</i> , 2019, 21, 974-988.	2.3	9
98	Chronic intestinal inflammation in mice expressing viral Flip in epithelial cells. <i>Mucosal Immunology</i> , 2018, 11, 1621-1629.	2.7	8
99	Cell Autonomous and Non-Autonomous Functions of IKK $\hat{1}$ 2 and NF- κ B during the Pathogenesis of Gastrointestinal Tumors. <i>Cancers</i> , 2011, 3, 2214-2222.	1.7	7
100	ACO/ARO/AIO-21 - Capecitabine-based chemoradiotherapy in combination with the IL-1 receptor antagonist anakinra for rectal cancer Patients: A phase I trial of the German rectal cancer study group. <i>Clinical and Translational Radiation Oncology</i> , 2022, 34, 99-106.	0.9	7
101	Linking inflammation to cancer $\hat{=}$ A novel role for Stat3. <i>Cytokine</i> , 2009, 48, 44.	1.4	3
102	The Iron y of Tumor-Induced Inflammation. <i>Cell Metabolism</i> , 2016, 24, 368-369.	7.2	3
103	Canonical NF- κ B signaling in myeloid cells promotes lung metastasis in a mouse breast cancer model. <i>Oncotarget</i> , 2018, 9, 16775-16791.	0.8	3
104	Lifting the Mist on Gastric Stem Cells. <i>Cell Stem Cell</i> , 2016, 18, 7-9.	5.2	2
105	Nuclear Factor- κ B in Apoptosis and Tumorigenesis. , 0, , 445-461.		0
106	171 Intestinal Epithelial Cell-derived TSLP Regulates DC and CD4 T Cell Responses in the Gastrointestinal Tract. <i>Cytokine</i> , 2007, 39, 47.	1.4	0
107	IKK $\hat{1}$ 2 acts as a tumor suppressor in cancer-associated fibroblasts during intestinal tumorigenesis. <i>Journal of Cell Biology</i> , 2015, 211, 2115OIA274.	2.3	0
108	Abstract 450: Aldo-keto reductase family 1 member b1 links glucose metabolism to epithelial-to-mesenchymal transition. , 2017, , .		0