Dieter Saur

List of Publications by Year
in descending order

230	11,957	22153 59	33894 99
papers	citations	h-index	g-index

243	243	243	19594
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Oncogenic KRAS signalling in pancreatic cancer. British Journal of Cancer, 2014, 111, 817-822.	6.4	423
2	Evolutionary routes and KRAS dosage define pancreatic cancer phenotypes. Nature, 2018, 554, 62-68.	27.8	328
3	E-Cadherin Regulates Metastasis of Pancreatic Cancer In Vivo and Is Suppressed by a SNAIL/HDAC1/HDAC2 Repressor Complex. Gastroenterology, 2009, 137, 361-371.e5.	1.3	315
4	Selective Requirement of PI3K/PDK1 Signaling for Kras Oncogene-Driven Pancreatic Cell Plasticity and Cancer. Cancer Cell, 2013, 23, 406-420.	16.8	291
5	Mutant KRAS-driven cancers depend on PTPN11/SHP2 phosphatase. Nature Medicine, 2018, 24, 954-960.	30.7	278
6	Cytokine gene polymorphisms influence mucosal cytokine expression, gastric inflammation, and host specific colonisation during Helicobacter pylori infection. Gut, 2004, 53, 1082-1089.	12.1	267
7	CD25+/Foxp3+ T Cells Regulate Gastric Inflammation and Helicobacter pylori Colonization In Vivo. Gastroenterology, 2006, 131, 525-537.	1.3	251
8	IL-6 trans-signaling promotes pancreatitis-associated lung injury and lethality. Journal of Clinical Investigation, 2013, 123, 1019-1031.	8.2	238
9	Tissue-specific tumorigenesis: context matters. Nature Reviews Cancer, 2017, 17, 239-253.	28.4	234
10	Distinct Hippocampal Pathways Mediate Dissociable Roles of Context in Memory Retrieval. Cell, 2016, 167, 961-972.e16.	28.9	226
11	cKit Lineage Hemogenic Endothelium-Derived Cells Contribute to Mesenteric Lymphatic Vessels. Cell Reports, 2015, 10, 1708-1721.	6.4	207
12	A neuronal nitric oxide synthase (NOS-I) haplotype associated with schizophrenia modifies prefrontal cortex function. Molecular Psychiatry, 2006, 11, 286-300.	7.9	204
13	A next-generation dual-recombinase system for time- and host-specific targeting of pancreatic cancer. Nature Medicine, 2014, 20, 1340-1347.	30.7	188
14	Cell-Type-Specific Circuit Connectivity of Hippocampal CA1 Revealed through Cre-Dependent Rabies Tracing. Cell Reports, 2014, 7, 269-280.	6.4	184
15	A Genetic Progression Model of BrafV600E-Induced Intestinal Tumorigenesis Reveals Targets for Therapeutic Intervention. Cancer Cell, 2013, 24, 15-29.	16.8	183
16	Interstitial cells of Cajal integrate excitatory and inhibitory neurotransmission with intestinal slow-wave activity. Nature Communications, 2013, 4, 1630.	12.8	175
17	Inflammation and mitochondrial fatty acid Î²-oxidation link obesity to early tumor promotion. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 3354-3359.	7.1	174
18	CXCR4 Expression Increases Liver and Lung Metastasis in a Mouse Model of Pancreatic Cancer. Gastroenterology, 2005, 129, 1237-1250.	1.3	172

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19	CRISPR/Cas9 somatic multiplex-mutagenesis for high-throughput functional cancer genomics in mice. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13982-13987.	7.1	172
20	Pancreas-specific RelA/p65 truncation increases susceptibility of acini to inflammation-associated cell death following cerulein pancreatitis. Journal of Clinical Investigation, 2007, 117, 1490-1501.	8.2	171
21	Multiplexed pancreatic genome engineering and cancer induction by transfection-based CRISPR/Cas9 delivery in mice. Nature Communications, 2016, 7, 10770.	12.8	145
22	Deep Learning Reveals Cancer Metastasis and Therapeutic Antibody Targeting in the Entire Body. Cell, 2019, 179, 1661-1676.e19.	28.9	142
23	HDAC2 mediates therapeutic resistance of pancreatic cancer cells via the BH3-only protein NOXA. Gut, 2009, 58, 1399-1409.	12.1	139
24	Cross talk between stimulated NF-Î¹B and the tumor suppressor p53. Oncogene, 2010, 29, 2795-2806.	5.9	136
25	Clonal Production and Organization of Inhibitory Interneurons in the Neocortex. Science, 2011, 334, 480-486.	12.6	136
26	In Vivo Histopathology for Detection of Gastrointestinal Neoplasia With a Portable, Confocal Miniprobe: An Examiner Blinded Analysis. Clinical Gastroenterology and Hepatology, 2007, 5, 1261-1267.	4.4	135
27	A Cre-loxP-based mouse model for conditional somatic gene expression and knockdown in vivo by using avian retroviral vectors. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 10137-10142.	7.1	132
28	Helicobacter pyloriHopH (OipA) and Bacterial Pathogenicity: Genetic and Functional Genomic Analysis ofhopHGene Polymorphisms. Journal of Infectious Diseases, 2006, 194, 1346-1355.	4.0	131
29	A Porcine Model of Familial Adenomatous Polyposis. Gastroenterology, 2012, 143, 1173-1175.e7.	1.3	115
30	IKKÎ± controls canonical TGFÎ²â€“SMAD signaling to regulate genes expressing SNAIL and SLUG during EMT in Panc1 cells. Journal of Cell Science, 2010, 123, 4231-4239.	2.0	113
31	Pancreatic cell plasticity and cancer initiation induced by oncogenic Kras is completely dependent on wild-type PI 3-kinase p110Î±. Genes and Development, 2014, 28, 2621-2635.	5.9	108
32	cKit ⁺ cardiac progenitors of neural crest origin. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13051-13056.	7.1	104
33	Single-nucleotide promoter polymorphism alters transcription of neuronal nitric oxide synthase exon 1c in infantile hypertrophic pyloric stenosis. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 1662-1667.	7.1	101
34	A Synergistic Interaction between Chk1- and MK2 Inhibitors in KRAS-Mutant Cancer. Cell, 2015, 162, 146-159.	28.9	100
35	Distinct expression of splice variants of neuronal nitric oxide synthase in the human gastrointestinal tract. Gastroenterology, 2000, 118, 849-858.	1.3	99
36	Apoptotic pathways in pancreatic ductal adenocarcinoma. Molecular Cancer, 2008, 7, 64.	19.2	99

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37	Phosphoinositide-3-Kinase Signaling Controls S-Phase Kinaseâ€“Associated Protein 2 Transcription via E2F1 in Pancreatic Ductal Adenocarcinoma Cells. Cancer Research, 2007, 67, 4149-4156.	0.9	98
38	Bursts of Bipolar Microsecond Pulses Inhibit Tumor Growth. Scientific Reports, 2015, 5, 14999.	3.3	96
39	Regulation of Epithelial Plasticity Determines Metastatic Organotropism in Pancreatic Cancer. Developmental Cell, 2018, 45, 696-711.e8.	7.0	96
40	The atypical cannabinoid O-1602 protects against experimental colitis and inhibits neutrophil recruitment. Inflammatory Bowel Diseases, 2011, 17, 1651-1664.	1.9	95
41	RelA regulates CXCL1/CXCR2-dependent oncogene-induced senescence in murine Kras-driven pancreatic carcinogenesis. Journal of Clinical Investigation, 2016, 126, 2919-2932.	8.2	93
42	In-vitro bipolar nano- and microsecond electro-pulse bursts for irreversible electroporation therapies. Bioelectrochemistry, 2014, 100, 69-79.	4.6	91
43	IKKÎ± controls p52/RelB at the skp2 gene promoter to regulate G1- to S-phase progression. EMBO Journal, 2006, 25, 3801-3812.	7.8	89
44	Translational Repression of MCL-1 Couples Stress-induced eIF2Î± Phosphorylation to Mitochondrial Apoptosis Initiation. Journal of Biological Chemistry, 2007, 282, 22551-22562.	3.4	88
45	HDAC1 and HDAC2 integrate the expression of p53 mutants in pancreatic cancer. Oncogene, 2017, 36, 1804-1815.	5.9	87
46	Prophylaxis of Contrast Materialâ€“induced Nephropathy in Patients in Intensive Care: Acetylcysteine, Theophylline, or Both? A Randomized Study. Radiology, 2006, 239, 793-804.	7.3	85
47	RORÎ² Spinal Interneurons Gate Sensory Transmission during Locomotion to Secure a Fluid Walking Gait. Neuron, 2017, 96, 1419-1431.e5.	8.1	85
48	Stimulatory Effects of Mesenchymal Stem Cells on cKit + Cardiac Stem Cells Are Mediated by SDF1/CXCR4 and SCF/cKit Signaling Pathways. Circulation Research, 2016, 119, 921-930.	4.5	81
49	In vivo diagnosis of murine pancreatic intraepithelial neoplasia and early-stage pancreatic cancer by molecular imaging. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9945-9950.	7.1	80
50	Lkb1 inactivation drives lung cancer lineage switching governed by Polycomb Repressive Complex 2. Nature Communications, 2017, 8, 14922.	12.8	80
51	Diabetes as risk factor for pancreatic cancer: Hyperglycemia promotes epithelial-mesenchymal-transition and stem cell properties in pancreatic ductal epithelial cells. Cancer Letters, 2018, 415, 129-150.	7.2	80
52	Kitcre knock-in mice fail to fate-map cardiac stem cells. Nature, 2018, 555, E1-E5.	27.8	79
53	Highly sensitive detection of earlyâ€stage pancreatic cancer by multimodal nearâ€infrared molecular imaging in living mice. International Journal of Cancer, 2008, 123, 2138-2147.	5.1	77
54	A conditional piggyBac transposition system for genetic screening in mice identifies oncogenic networks in pancreatic cancer. Nature Genetics, 2015, 47, 47-56.	21.4	77

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55	Conditional genetic deletion of Ano1 in interstitial cells of Cajal impairs Ca²⁺ transients and slow waves in adult mouse small intestine. American Journal of Physiology - Renal Physiology, 2017, 312, G228-G245.	3.4	72
56	Complex Regulation of Human Neuronal Nitric-oxide Synthase Exon 1c Gene Transcription. Journal of Biological Chemistry, 2002, 277, 25798-25814.	3.4	71
57	HDAC2 attenuates TRAIL-induced apoptosis of pancreatic cancer cells. Molecular Cancer, 2010, 9, 80.	19.2	70
58	Effect of cannabinoids on neural transmission in rat gastric fundus. Canadian Journal of Physiology and Pharmacology, 2002, 80, 67-76.	1.4	65
59	A role for O-1602 and G protein-coupled receptor GPR55 in the control of colonic motility in mice. Neuropharmacology, 2013, 71, 255-263.	4.1	64
60	Dorsolateral septum somatostatin interneurons gate mobility to calibrate context-specific behavioral fear responses. Nature Neuroscience, 2019, 22, 436-446.	14.8	63
61	A20-Deficient Mast Cells Exacerbate Inflammatory Responses In Vivo. PLoS Biology, 2014, 12, e1001762.	5.6	62
62	Stromal HIF2 Regulates Immune Suppression in the Pancreatic Cancer Microenvironment. Gastroenterology, 2022, 162, 2018-2031.	1.3	62
63	PI3K signaling maintains câ€myc expression to regulate transcription of E2F1 in pancreatic cancer cells. Molecular Carcinogenesis, 2009, 48, 1149-1158.	2.7	61
64	Dual reporter genetic mouse models of pancreatic cancer identify an epithelialâ€toâ€mesenchymal transitionâ€independent metastasis program. EMBO Molecular Medicine, 2018, 10, .	6.9	61
65	SUMO pathway inhibition targets an aggressive pancreatic cancer subtype. Gut, 2020, 69, 1472-1482.	12.1	61
66	Blockade of VEGF-C signaling inhibits lymphatic malformations driven by oncogenic PIK3CA mutation. Nature Communications, 2020, 11, 2869.	12.8	59
67	MYC and EGR1 synergize to trigger tumor cell death by controlling NOXA and BIM transcription upon treatment with the proteasome inhibitor bortezomib. Nucleic Acids Research, 2014, 42, 10433-10447.	14.5	58
68	Intravesical Î±-Radioimmunotherapy with ²¹³Bi-Anti-EGFR-mAb Defeats Human Bladder Carcinoma in Xenografted Nude Mice. Journal of Nuclear Medicine, 2009, 50, 1700-1708.	5.0	57
69	Selective inhibition of <scp>FAAH</scp> produces antidiarrheal and antinociceptive effect mediated by endocannabinoids and cannabinoidâ€like fatty acid amides. Neurogastroenterology and Motility, 2014, 26, 470-481.	3.0	54
70	Spontaneous Ca²⁺ transients in interstitial cells of Cajal located within the deep muscular plexus of the murine small intestine. Journal of Physiology, 2016, 594, 3317-3338.	2.9	54
71	One-Step Synthesis of High-Coercivity L1₀-FePtAg Nanoparticles: Effects of Ag on the Morphology and Chemical Ordering of FePt Nanoparticles. Chemistry of Materials, 2013, 25, 2450-2454.	6.7	51
72	A novel mouse model demonstrates that oncogenic melanocyte stem cells engender melanoma resembling human disease. Nature Communications, 2019, 10, 5023.	12.8	51

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73	Melatonin reduces non-adrenergic, non-cholinergic relaxant neurotransmission by inhibition of nitric oxide synthase activity in the gastrointestinal tract of rodents in vitro. Journal of Pineal Research, 2002, 33, 101-108.	7.4	50
74	Interstitial cells of Cajal mediate nitrergic inhibitory neurotransmission in the murine gastrointestinal tract. American Journal of Physiology - Renal Physiology, 2014, 307, G98-G106.	3.4	50
75	A Yap-Myc-Sox2-p53 Regulatory Network Dictates Metabolic Homeostasis and Differentiation in Kras-Driven Pancreatic Ductal Adenocarcinomas. Developmental Cell, 2019, 51, 113-128.e9.	7.0	50
76	Cell-Specific Deletion of Nitric Oxideâ€“Sensitive Guanylyl Cyclase Reveals a Dual Pathway for Nitrergic Neuromuscular Transmission in the Murine Fundus. Gastroenterology, 2013, 145, 188-196.	1.3	49
77	A porcine model of osteosarcoma. Oncogenesis, 2016, 5, e210-e210.	4.9	49
78	MYC directs transcription of MCL1 and eIF4E genes to control sensitivity of gastric cancer cells toward HDAC inhibitors. Cell Cycle, 2012, 11, 1593-1602.	2.6	48
79	Production of avian retroviruses and tissue-specific somatic retroviral gene transfer in vivo using the RCAS/TVA system. Nature Protocols, 2012, 7, 1167-1183.	12.0	48
80	Mesenchymal Plasticity Regulated by Prrx1 Drives Aggressive Pancreatic Cancer Biology. Gastroenterology, 2021, 160, 346-361.e24.	1.3	48
81	The BRG1/SOX9 axis is critical for acinar cellâ€“derived pancreatic tumorigenesis. Journal of Clinical Investigation, 2018, 128, 3475-3489.	8.2	48
82	Adult câ€Kit(+) progenitor cells are necessary for maintenance and regeneration of olfactory neurons. Journal of Comparative Neurology, 2015, 523, 15-31.	1.6	46
83	Bispectral index monitoring of midazolam and propofol sedation during endoscopic retrograde cholangiopancreatography: a randomized clinical trial (the EndoBIS study). Endoscopy, 2012, 44, 258-264.	1.8	45
84	Single cell polarity in liquid phase facilitates tumour metastasis. Nature Communications, 2018, 9, 887.	12.8	45
85	In vivo functional screening for systems-level integrative cancer genomics. Nature Reviews Cancer, 2020, 20, 573-593.	28.4	44
86	Characterization and splice variants of neuronal nitric oxide synthase in rat small intestine. American Journal of Physiology - Renal Physiology, 1998, 275, G1146-G1156.	3.4	43
87	InsP3R-associated cGMP Kinase Substrate (IRAG) Is Essential for Nitric Oxide-induced Inhibition of Calcium Signaling in Human Colonic Smooth Muscle. Journal of Biological Chemistry, 2004, 279, 12551-12559.	3.4	42
88	Selective multi-kinase inhibition sensitizes mesenchymal pancreatic cancer to immune checkpoint blockade by remodeling the tumor microenvironment. Nature Cancer, 2022, 3, 318-336.	13.2	42
89	Site-specific gene expression of nNOS variants in distinct functional regions of rat gastrointestinal tract. American Journal of Physiology - Renal Physiology, 2002, 282, G349-G358.	3.4	41
90	Disclosure of Erlotinib as a Multikinase Inhibitor in Pancreatic Ductal Adenocarcinoma. Neoplasia, 2011, 13, 1026-IN24.	5.3	41

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91	Genome-wide transposon screening and quantitative insertion site sequencing for cancer gene discovery in mice. Nature Protocols, 2017, 12, 289-309.	12.0	41
92	Dual Fluorescent Reporter Pig for Cre Recombination: Transgene Placement at the ROSA26 Locus. PLoS ONE, 2014, 9, e102455.	2.5	40
93	Adult Renal Mesenchymal Stem Cellâ€“Like Cells Contribute to Juxtaglomerular Cell Recruitment. Journal of the American Society of Nephrology: JASN, 2013, 24, 1263-1273.	6.1	39
94	A GATA6-centred gene regulatory network involving HNFs and Î”Np63 controls plasticity and immune escape in pancreatic cancer. Gut, 2022, 71, 766-777.	12.1	38
95	A protease-activated, near-infrared fluorescent probe for early endoscopic detection of premalignant gastrointestinal lesions. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	38
96	HMGA1 Controls Transcription of Insulin Receptor to Regulate Cyclin D1 Translation in Pancreatic Cancer Cells. Cancer Research, 2007, 67, 4679-4686.	0.9	37
97	Acetylation as a Transcriptional Control Mechanismâ€”HDACs and HATs in Pancreatic Ductal Adenocarcinoma. Journal of Gastrointestinal Cancer, 2011, 42, 85-92.	1.3	37
98	Nitrergic signalling via interstitial cells of Cajal regulates motor activity in murine colon. Journal of Physiology, 2015, 593, 4589-4601.	2.9	37
99	PiggyBac transposon tools for recessive screening identify B-cell lymphoma drivers in mice. Nature Communications, 2019, 10, 1415.	12.8	37
100	KrasG12D induces EGFR-MYC cross signaling in murine primary pancreatic ductal epithelial cells. Oncogene, 2016, 35, 3880-3886.	5.9	36
101	Efemp1 and p27Kip1 modulate responsiveness of pancreatic cancer cells towards a dual PI3K/mTOR inhibitor in preclinical models. Oncotarget, 2013, 4, 277-288.	1.8	36
102	MTOR inhibitor-based combination therapies for pancreatic cancer. British Journal of Cancer, 2018, 118, 366-377.	6.4	35
103	Artificial intelligence in early drug discovery enabling precision medicine. Expert Opinion on Drug Discovery, 2021, 16, 991-1007.	5.0	35
104	c-Kit+ Cells in Adult Salivary Glands do not Function as Tissue Stem Cells. Scientific Reports, 2018, 8, 14193.	3.3	34
105	Tumor necrosis factor alpha derived from classically activated â€œM1â€•macrophages reduces interstitial cell of Cajal numbers. Neurogastroenterology and Motility, 2017, 29, e12984.	3.0	33
106	The hepatic microenvironment essentially determines tumor cell dormancy and metastatic outgrowth of pancreatic ductal adenocarcinoma. OncoImmunology, 2018, 7, e1368603.	4.6	33
107	Transient receptor potential vanilloid 4 inhibits mouse colonic motility by activating NO-dependent enteric neurotransmission. Journal of Molecular Medicine, 2015, 93, 1297-1309.	3.9	31
108	Viable pigs with a conditionally-activated oncogenic KRAS mutation. Transgenic Research, 2015, 24, 509-517.	2.4	30

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109	Implementing cell-free DNA of pancreatic cancer patientâ€“derived organoids for personalized oncology. JCI Insight, 2020, 5, .	5.0	30
110	Casein kinase II inhibition induces apoptosis in pancreatic cancer cells. Oncology Reports, 2007, 18, 695-701.	2.6	30
111	Dominant role of interstitial cells of Cajal in nitrergic relaxation of murine lower oesophageal sphincter. Journal of Physiology, 2015, 593, 403-414.	2.9	29
112	Retinoic acid-induced nNOS expression depends on a novel PI3K/Akt/DAX1 pathway in human TGW-nu-I neuroblastoma cells. American Journal of Physiology - Cell Physiology, 2009, 297, C1146-C1156.	4.6	28
113	Biodegradable Fluorescent Nanoparticles for Endoscopic Detection of Colorectal Carcinogenesis. Advanced Functional Materials, 2019, 29, 1904992.	14.9	28
114	Targeting histone deacetylases in pancreatic ductal adenocarcinoma. Journal of Cellular and Molecular Medicine, 2010, 14, 1255-1263.	3.6	27
115	Mechanisms Of alpha,beta-Methylene ATP-Induced Inhibition In Rat Ileal Smooth Muscle: Involvement Of Intracellular Ca2+ Stores In Purinergic Inhibition. Clinical and Experimental Pharmacology and Physiology, 2000, 27, 771-779.	1.9	26
116	Mdm2 inhibitors synergize with topoisomerase II inhibitors to induce p53â€independent pancreatic cancer cell death. International Journal of Cancer, 2013, 132, 2248-2257.	5.1	26
117	<scp>C</scp>re<scp>ER</scp>^{T2} expression from within the câ€<scp>K</scp>it gene locus allows efficient inducible gene targeting in and ablation of mast cells. European Journal of Immunology, 2014, 44, 296-306.	2.9	26
118	Metastasis of pancreatic cancer: An uninflamed liver micromilieu controls cell growth and cancer stem cell properties by oxidative phosphorylation in pancreatic ductal epithelial cells. Cancer Letters, 2019, 453, 95-106.	7.2	26
119	Olfactory basal stem cells: contribution of Polycomb group proteins to renewal in a novel c-Kit+ culture model and in vivo. Development (Cambridge), 2016, 143, 4394-4404.	2.5	25
120	Analysis pipelines for cancer genome sequencing in mice. Nature Protocols, 2020, 15, 266-315.	12.0	25
121	Functional coupling between nitric oxide synthesis and VIP release within enteric nerve terminals of the rat: involvement of protein kinase G and phosphodiesterase 5. Journal of Physiology, 2001, 534, 827-836.	2.9	24
122	Cannabidiol converts NF-ÎºB into a tumor suppressor in glioblastoma with defined antioxidative properties. Neuro-Oncology, 2021, 23, 1898-1910.	1.2	24
123	Adenovirus-based virotherapy enabled by cellular YB-1 expression in vitro and in vivo. Cancer Gene Therapy, 2009, 16, 753-763.	4.6	23
124	Efficient Generation of Rat Induced Pluripotent Stem Cells Using a Non-Viral Inducible Vector. PLoS ONE, 2013, 8, e55170.	2.5	23
125	Effects Of Endomorphin-1 And -2 On mu-Opioid Receptors In Myenteric Neurons And In The Peristaltic Reflex In Rat Small Intestine. Clinical and Experimental Pharmacology and Physiology, 2002, 29, 428-434.	1.9	22
126	Non-invasive visualisation of the development of peritoneal carcinomatosis and tumour regression after 213Bi-radioimmunotherapy using bioluminescence imaging. European Journal of Nuclear Medicine and Molecular Imaging, 2007, 34, 841-849.	6.4	22

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127	Interleukin 1 beta gene promoter SNPs are associated with risk of pancreatic cancer. Cytokine, 2009, 46, 182-186.	3.2	22
128	Porcine familial adenomatous polyposis model enables systematic analysis of early events in adenoma progression. Scientific Reports, 2017, 7, 6613.	3.3	22
129	Molecular biology of pancreatic cancer--new aspects and targets. Anticancer Research, 2008, 28, 1541-50.	1.1	22
130	SKP2 confers resistance of pancreatic cancer cells towards TRAIL-induced apoptosis. International Journal of Oncology, 2010, 38, .	3.3	21
131	Mesenchymal Stem Cells: Therapeutic Potential for Acute Pancreatitis. Gastroenterology, 2011, 140, 779-782.	1.3	21
132	Multifactorial diagnostic NIR imaging of CCK2R expressing tumors. Biomaterials, 2013, 34, 5172-5180.	11.4	21
133	Differentiation potential of individual olfactory câ€Kit+ progenitors determined via multicolor lineage tracing. Developmental Neurobiology, 2016, 76, 241-251.	3.0	21
134	Homoharringtonine could induce quick protein synthesis of PSMD11 through activating MEK1/ERK1/2 signaling pathway in pancreatic cancer cells. Journal of Cellular Biochemistry, 2018, 119, 6644-6656.	2.6	21
135	Visualization of stem cell activity in pancreatic cancer expansion by direct lineage tracing with live imaging. ELife, 2021, 10, .	6.0	20
136	Identification of treatmentâ€induced vulnerabilities in pancreatic cancer patients using functional model systems. EMBO Molecular Medicine, 2022, 14, e14876.	6.9	20
137	Pancreatic cancer intrinsic PI3KÎ± activity accelerates metastasis and rewires macrophage component. EMBO Molecular Medicine, 2021, 13, e13502.	6.9	19
138	HDAC2 Facilitates Pancreatic Cancer Metastasis. Cancer Research, 2022, 82, 695-707.	0.9	19
139	Mass spectrometry-based draft of the mouse proteome. Nature Methods, 2022, 19, 803-811.	19.0	19
140	Neuronal cGMP kinase I is essential for stimulation of duodenal bicarbonate secretion by luminal acid. FASEB Journal, 2012, 26, 1745-1754.	0.5	18
141	Hyperpolarized ¹³C Diffusion MRS of Co-Polarized Pyruvate and Fumarate to Measure Lactate Export and Necrosis. Journal of Cancer, 2017, 8, 3078-3085.	2.5	18
142	Cellular Dissociation Grading Based on the Parameters Tumor Budding and Cell Nest Size in Pretherapeutic Biopsy Specimens Allows for Prognostic Patient Stratification in Esophageal Squamous Cell Carcinoma Independent From Clinical Staging. American Journal of Surgical Pathology, 2019, 43, 618-627.	3.7	18
143	Morphology Matters. American Journal of Surgical Pathology, 2021, 45, 969-978.	3.7	18
144	New aspects in the pathomechanism and diagnosis of the laryngopharyngeal reflux-clinical impact of laryngeal proton pumps and pharyngeal pH metry in extraesophageal gastroesophageal reflux disease. World Journal of Gastroenterology, 2015, 21, 982.	3.3	18

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145	Epigenetic priming by Dot1l in lymphatic endothelial progenitors ensures normal lymphatic development and function. Cell Death and Disease, 2020, 11, 14.	6.3	17
146	Porcine model elucidates function of p53 isoform in carcinogenesis and reveals novel circTP53 RNA. Oncogene, 2021, 40, 1896-1908.	5.9	17
147	Novel small molecules targeting ciliary transport of Smoothened and oncogenic Hedgehog pathway activation. Scientific Reports, 2016, 6, 22540.	3.3	16
148	A ZEB1-HDAC pathway enters the epithelial to mesenchymal transition world in pancreatic cancer: Figure 1. Gut, 2012, 61, 329-330.	12.1	15
149	Epithelial X-Box Binding Protein 1 Coordinates Tumor Protein p53-Driven DNA Damage Responses and Suppression of Intestinal Carcinogenesis. Gastroenterology, 2022, 162, 223-237.e11.	1.3	15
150	Targeting the ubiquitinâ€proteasome system in a pancreatic cancer subtype with hyperactive MYC. Molecular Oncology, 2020, 14, 3048-3064.	4.6	13
151	Altered microRNA profiles during early colon adenoma progression in a porcine model of familial adenomatous polyposis. Oncotarget, 2017, 8, 96154-96160.	1.8	13
152	A novel Cereblon E3 ligase modulator with antitumor activity in gastrointestinal cancer. Bioorganic Chemistry, 2022, 119, 105505.	4.1	13
153	CRISPR somatic genome engineering and cancer modeling in the mouse pancreas and liver. Nature Protocols, 2022, 17, 1142-1188.	12.0	13
154	Suppression of Endothelial Cell FAK Expression Reduces Pancreatic Ductal Adenocarcinoma Metastasis after Gemcitabine Treatment. Cancer Research, 2022, 82, 1909-1925.	0.9	13
155	ORL-1 Receptor Mediates the Action of Nociceptin on Ascending Myenteric Reflex Pathways in Rats. Gastroenterology, 2007, 133, 574-586.	1.3	12
156	Genetic Screens Identify a Context-Specific PI3K/p27Kip1 Node Driving Extrahepatic Biliary Cancer. Cancer Discovery, 2021, 11, 3158-3177.	9.4	12
157	Tutorial: design and execution of CRISPR in vivo screens. Nature Protocols, 2022, 17, 1903-1925.	12.0	12
158	Olfactory and gustatory function in irritable bowel syndrome. European Archives of Oto-Rhino-Laryngology, 2010, 267, 1081-1087.	1.6	11
159	Notch-Induced Myeloid Reprogramming in Spontaneous Pancreatic Ductal Adenocarcinoma by Dual Genetic Targeting. Cancer Research, 2018, 78, 4997-5010.	0.9	11
160	Casein kinase II inhibition induces apoptosis in pancreatic cancer cells. Oncology Reports, 2007, 18, 695.	2.6	10
161	HDAC3 is linked to cell cycle machinery in MiaPaCa2 cells by regulating transcription of skp2. Cell Proliferation, 2007, 40, 522-531.	5.3	10
162	Truncated IRAG variants modulate cGMP-mediated inhibition of human colonic smooth muscle cell contraction. American Journal of Physiology - Cell Physiology, 2011, 301, C1445-C1457.	4.6	10

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163	Simulated Microgravity Impairs Cardiac Autonomic Neurogenesis from Neural Crest Cells. Stem Cells and Development, 2018, 27, 819-830.	2.1	10
164	Oncogenic KRAS and the EGFR loop in pancreatic carcinogenesisâ€"A connection to licensing nodes. Small GTPases, 2018, 9, 457-464.	1.6	10
165	Evidence for a retinal progenitor cell in the postnatal and adult mouse. Stem Cell Research, 2017, 23, 20-32.	0.7	9
166	RCAS-Mediated Retroviral Gene Delivery: A Versatile Tool for the Study of Gene Function in a Mouse Model of Pancreatic Cancer. Human Gene Therapy, 2008, 19, 896-906.	2.7	8
167	A Simple and Cost-Effective Method to Transfect Small Interfering RNAs Into Pancreatic Cancer Cell Lines Using Polyethylenimine. Pancreas, 2011, 40, 144-150.	1.1	8
168	Rationale for MYC imaging and targeting in pancreatic cancer. EJNMMI Research, 2021, 11, 104.	2.5	7
169	PersonalizingKRAS-Mutant Alleleâ€"Specific Therapies. Cancer Discovery, 2020, 10, 23-25.	9.4	6
170	Nociceptin effect on intestinal motility depends on opioid-receptor like-1 receptors and nitric oxide synthase co-localization. World Journal of Gastrointestinal Pharmacology and Therapeutics, 2015, 6, 73.	1.1	6
171	Epigenetic drug screening defines a PRMT5 inhibitorâ€"sensitive pancreatic cancer subtype. JCI Insight, 2022, 7, .	5.0	6
172	Context-dependent modulation of aggressiveness of pediatric tumors by individual oncogenic RAS isoforms. Oncogene, 2021, 40, 4955-4966.	5.9	5
173	New Insights Into Pancreatic Cancer: Notes from a Virtual Meeting. Gastroenterology, 2021, 161, 785-791.	1.3	5
174	IKKÎ± controls canonical TGFÎ²â€"SMAD signaling to regulate genes expressing SNAIL and SLUG during EMT in Panc1 cells. Journal of Cell Science, 2013, 126, 2747-2747.	2.0	4
175	Oscillating calcium signals in smooth muscle cells underlie the persistent basal tone of internal anal sphincter. Journal of Cellular Physiology, 2021, 236, 5937-5952.	4.1	4
176	Generation and identification of a conditional knockout allele for the PSMD11 gene in mice. BMC Developmental Biology, 2021, 21, 4.	2.1	4
177	Low-cost single-point optoacoustic sensor for spectroscopic measurement of local vascular oxygenation. Optics Letters, 2020, 45, 6579.	3.3	4
178	Blocking the road to deâ€differentiation: <scp>HNF</scp> 1A/ <scp>KDM</scp> 6A complex safeguards epithelial integrity in pancreatic cancer. EMBO Journal, 2020, 39, e104759.	7.8	4
179	Effects of cavernous nerve reconstruction on expression of nitric oxide synthase isoforms in rats. BJU International, 2010, 106, 1726-1731.	2.5	3
180	Deciphering the universe of genetic context-dependencies using mouse models of cancer. Current Opinion in Genetics and Development, 2019, 54, 97-104.	3.3	3

#	Article	IF	Citations
181	Important role of Nfkb2 in the KrasG12D-driven carcinogenesis in the pancreas. Pancreatology, 2021, 21, 912-919.	1.1	3
182	The Missing Link: Cre Pigs for Cancer Research. Frontiers in Oncology, 2021, 11, 755746.	2.8	3
183	Porcine cancer models for clinical translation. Nature Reviews Cancer, 2022, 22, 375-376.	28.4	3
184	Comparative Study of the Role of Interepithelial Mucosal Mast Cells in the Context of Intestinal Adenoma-Carcinoma Progression. Cancers, 2022, 14, 2248.	3.7	3
185	Pancreatic cancer â€" Molecular alterations. Chinese-German Journal of Clinical Oncology, 2007, 6, 102-106.	0.1	2
186	The endocannabinoid anandamide regulates the peristaltic reflex by reducing neuro-neuronal and neuro-muscular neurotransmission in ascending myenteric reflex pathways in rats. Pharmacological Reports, 2014, 66, 256-263.	3.3	2
187	In Vivo RNAi Screening for Pancreatic Cancer Drivers: PILOTing the WDR5â€"MYC Axis. Trends in Cancer, 2016, 2, 391-392.	7.4	2
188	Metabolic Response of Pancreatic Carcinoma Cells under Treatment with Dichloroacetate. Metabolites, 2021, 11, 350.	2.9	2
189	Dual recombinase action in the normal and neoplastic mammary gland epithelium. Scientific Reports, 2021, 11, 20775.	3.3	2
190	Wild-type APC Influences the Severity of Familial Adenomatous Polyposis. Cellular and Molecular Gastroenterology and Hepatology, 2022, 13, 669-671.e3.	4.5	2
191	Single-Shot High-Throughput Phase Imaging with Multibeam Array Interferometric Microscopy. ACS Photonics, 2021, 8, 3536-3547.	6.6	2
192	Self-renewal equality in pancreas homeostasis, regeneration, and cancer. Cell Reports, 2021, 37, 110135.	6.4	2
193	siRNA-coupled nanoparticles for improved therapeutic targeting of pancreatic cancer. Gut, 2016, 65, 1780-1781.	12.1	1
194	Hypoxia-Inducible Factor 1 Alpha (HIF1A) Stimulates Neuronal Nitric Oxide Synthase (NOS1) Transcription by Binding to Multiple Enhancers. Gastroenterology, 2017, 152, S565-S566.	1.3	1
195	The expression of TAP1 candidate gene, but not its polymorphism and methylation, is associated with colonic polyp formation in a porcine model of human familial adenomatous polyposis. Animal Biotechnology, 2020, 31, 306-313.	1.5	1
196	Linkage of genetic drivers and strain-specific germline variants confound mouse cancer genome analyses. Nature Communications, 2020, 11, 4474.	12.8	1
197	PORCINE MODELS FOR HUMAN CANCER. Reproduction, Fertility and Development, 2013, 25, 321.	0.4	1
198	Indirect targeting of MYC sensitizes pancreatic cancer cells to mechanistic target of rapamycin (mTOR) inhibition. Cancer Communications, 2022, , .	9.2	1

#	Article	IF	Citations
199	Characterization, differential localization and splice variants of nitric oxide synthase in rat small intestine. Gastroenterology, 1998, 114, A1177.	1.3	0
200	Differential distribution and transcriptional control of human nnos splice variants in the gastrointestinal tract. Gastroenterology, 2000, 118, A151.	1.3	0
201	Involvement of cannabinoids in neural transmission in rat gastric fundus. Gastroenterology, 2001, 120, A97.	1.3	0
202	Inhibitory effect of melatonin on nitric oxide synthase in rat enteric nervous system. Gastroenterology, 2001, 120, A176.	1.3	0
203	Identification of novel 5È*f* and 3È*f* mRNA variants of IRAG in the human gastrointestinal tract. Gastroenterology, 2003, 124, A344.	1.3	0
204	395 HDAC2 mediates therapeutic resistance towards intrinsic and extrinsic induction of apoptosis in pancreatic cancer cells. European Journal of Cancer, Supplement, 2010, 8, 101.	2.2	0
205	135 MYC Controls Transcription of NOXa and BIM to Trigger Apoptosis. European Journal of Cancer, 2012, 48, S32.	2.8	0
206	175 MYC Directs Transcription of MCL1 and EIF4E Genes to Control Sensitivity of Gastric Cancer Cells Towards HDAC Inhibitors. European Journal of Cancer, 2012, 48, S42.	2.8	0
207	711 Snail Bypasses Senescence and Accelerates Tumor Progression in a Kras-driven Mouse Model of Pancreatic Cancer. European Journal of Cancer, 2012, 48, S168-S169.	2.8	0
208	712: The pig as a model for human cancer. European Journal of Cancer, 2014, 50, S172.	2.8	0
209	260: A novel MYC directed apoptosis pathway controls NOXA and BIM transcription. European Journal of Cancer, 2014, 50, S61.	2.8	0
210	Adult c-Kit(+) progenitor cells are necessary for maintenance and regeneration of olfactory neurons. Journal of Comparative Neurology, 2015, 523, Spc1-Spc1.	1.6	0
211	P7009 Precancerous molecular features committing development of colonic polyps revealed by studies on the porcine model of human familial adenomatous polyposis. Journal of Animal Science, 2016, 94, 179-180.	0.5	0
212	Sa1677 The Polycomb Histone Lysine Methyltransferase EZH2 Controls Interstitial Cell of Cajal Populations by Regulating Stem Cell Differentiation and Self-Renewal. Gastroenterology, 2016, 150, S343-S344.	1.3	0
213	New tools for the study of intratumour heterogeneity in cancer. European Journal of Cancer, 2016, 61, S66.	2.8	0
214	A Novel Predictive Organoid Culture System from Pancreatic Cancer Patients - Personalized Medicine in Realtime. Gastroenterology, 2017, 152, S18.	1.3	0
215	Role of RAS-dependent signaling pathways in hepatic carcinogenesis. Journal of Hepatology, 2017, 66, S225-S226.	3.7	0
216	Succinate Accumulation Epigenetically Represses Kit Expression, Reduces Interstitial Cells of Cajal (ICC) and Delays Gastric Emptying of Solids. Gastroenterology, 2017, 152, S129-S130.	1.3	0

#	Article	IF	Citations
217	KRAS-dependent AKT signaling drives hepatocyte proliferation to promote tumor development in a genetic model of liver cancer. Journal of Hepatology, 2018, 68, S689.	3.7	0
218	P03.11â€…Exploring tumor-intrinsic factors regulating the recruitment of myeloid-derived suppressor cells (MDSC) in pancreatic ductal adenocarcinoma. , 2020, , .		0
219	P03.29â€…Characterization of treatment-induced adaptive immune responses in pancreatic ductal adenocarcinoma. , 2020, 8, A34.2-A34.		0
220	Molecular abnormalities of nNOS gene expression in infantile hypertrophic pyloric stenosis. Gastroenterology, 2001, 120, A23-A23.	1.3	0
221	Transcriptional regulation of human nNOS gene expression by a protein kinase C dependent pathway. Gastroenterology, 2001, 120, A32-A32.	1.3	0
222	780: Effect of Erectile Nerve Reconstruction on Restoration of Erectile Function and Expression of NOS Isoforms. Journal of Urology, 2007, 177, 261-261.	0.4	0
223	Viszerale HypersensitivitÃt im multimodalen Konzept der Schmerzentstehung bei funktionellen gastroÃ¶sophagealen Erkrankungen. Verdauungskrankheiten, 2013, 31, 180-186.	0.0	0
224	Quo vadis, Kras?. Oncotarget, 2013, 4, 1336-1337.	1.8	0
225	Abstract IA22: Modeling and targeting the tumor microenvironment of pancreatic cancer. , 2016, , .		0
226	Abstract 391: Evolutionary trajectories andKRASgene dosage define pancreatic cancer phenotypes. , 2018, , .		0
227	Abstract 1116: Spatio-temporal analysis of the tumor microenvironment of colorectal cancer subtypes using an orthotopic organoid transplantation model. , 2020, , .		0
228	Abstract 1793: Interaction of MYC and SUMOylation machinery in an aggressive pancreatic cancer subtype. , 2020, , .		0
229	Analyse von Krebsgenen: Schnelle Suche nach der â€žNadel im Heuhaufenâ€œ. , 0, , .		0
230	Abstract 2514: Pancreatic cancer subtype-specific secreted factors determine the immunosuppressive tumor microenvironment. Cancer Research, 2022, 82, 2514-2514.	0.9	0