

# Frédéric Hollande

## List of Publications by Year in descending order

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80  
papers

4,087  
citations

117625

34  
h-index

123424

61  
g-index

85  
all docs

85  
docs citations

85  
times ranked

7102  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reciprocal regulation of gastrointestinal homeostasis by SHP2 and STAT-mediated trefoil gene activation in gp130 mutant mice. <i>Nature Medicine</i> , 2002, 8, 1089-1097.	30.7	433
2	Sox9 regulates cell proliferation and is required for Paneth cell differentiation in the intestinal epithelium. <i>Journal of Cell Biology</i> , 2007, 178, 635-648.	5.2	412
3	A Gene Signature Predicting Natural Killer Cell Infiltration and Improved Survival in Melanoma Patients. <i>Cancer Immunology Research</i> , 2019, 7, 1162-1174.	3.4	201
4	Chronic stress accelerates pancreatic cancer growth and invasion: A critical role for beta-adrenergic signaling in the pancreatic microenvironment. <i>Brain, Behavior, and Immunity</i> , 2014, 40, 40-47.	4.1	192
5	Circulating tumour cells from patients with colorectal cancer have cancer stem cell hallmarks in <i>ex vivo</i> culture. <i>Gut</i> , 2017, 66, 1802-1810.	12.1	163
6	The JAK/STAT3 axis: A comprehensive drug target for solid malignancies. <i>Seminars in Cancer Biology</i> , 2017, 45, 13-22.	9.6	147
7	A stemness-related ZEB1-MSRB3 axis governs cellular pliancy and breast cancer genome stability. <i>Nature Medicine</i> , 2017, 23, 568-578.	30.7	131
8	Expression of CD133 and CD44 in glioblastoma stem cells correlates with cell proliferation, phenotype stability and intra-tumor heterogeneity. <i>PLoS ONE</i> , 2017, 12, e0172791.	2.5	109
9	Defective Claudin-7 Regulation by Tcf-4 and Sox-9 Disrupts the Polarity and Increases the Tumorigenicity of Colorectal Cancer Cells. <i>Cancer Research</i> , 2008, 68, 4258-4268.	0.9	108
10	Pregnane X- Receptor (PXR) expression in colorectal cancer cells restricts irinotecan chemosensitivity through enhanced SN-38 glucuronidation. <i>Molecular Cancer</i> , 2010, 9, 46.	19.2	87
11	Selective CREB-dependent cyclin expression mediated by the PI3K and MAPK pathways supports glioma cell proliferation. <i>Oncogenesis</i> , 2014, 3, e108-e108.	4.9	82
12	DNA-methylation-dependent alterations of claudin-4 expression in human bladder carcinoma. <i>Carcinogenesis</i> , 2007, 28, 246-258.	2.8	79
13	cAMP Response Element Binding Protein Is Required for Mouse Neural Progenitor Cell Survival and Expansion. <i>Stem Cells</i> , 2009, 27, 1347-1357.	3.2	76
14	Adherens junctions and tight junctions are regulated via different pathways by progastrin in epithelial cells. <i>Journal of Cell Science</i> , 2003, 116, 1187-1197.	2.0	71
15	Symplekin promotes tumorigenicity by up-regulating claudin-2 expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 2628-2633.	7.1	69
16	Functional interaction between the ZO-1-interacting transcription factor ZONAB/DbpA and the RNA processing factor symplekin. <i>Journal of Cell Science</i> , 2006, 119, 5098-5105.	2.0	68
17	The Wnt Target Jagged-1 Mediates the Activation of Notch Signaling by Progastrin in Human Colorectal Cancer Cells. <i>Cancer Research</i> , 2009, 69, 6065-6073.	0.9	62
18	Biologically Active Recombinant Human Progastrin Contains a Tightly Bound Calcium Ion. <i>Journal of Biological Chemistry</i> , 2001, 276, 7791-7796.	3.4	61

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19	Involvement of Phosphatidylinositol 3-Kinase and Mitogen-activated Protein Kinases in Glycine-extended Gastrin-induced Dissociation and Migration of Gastric Epithelial Cells. <i>Journal of Biological Chemistry</i> , 2001, 276, 40402-40410.	3.4	60
20	Src family tyrosine kinases-driven colon cancer cell invasion is induced by Csk membrane delocalization. <i>Oncogene</i> , 2010, 29, 1303-1315.	5.9	57
21	Surgical stress response and promotion of metastasis in colorectal cancer: a complex and heterogeneous process. <i>Clinical and Experimental Metastasis</i> , 2018, 35, 333-345.	3.3	57
22	Comprehensive characterization of claudin-low breast tumors reflects the impact of the cell-of-origin on cancer evolution. <i>Nature Communications</i> , 2020, 11, 3431.	12.8	57
23	The p53 Isoform $\beta$ Promotes Cancer Stem Cell Potential. <i>Stem Cell Reports</i> , 2015, 4, 531-540.	4.8	55
24	TRM6/61 connects PKC $\delta$ with translational control through tRNA <sup>Met</sup> stabilization: impact on tumorigenesis. <i>Oncogene</i> , 2016, 35, 1785-1796.	5.9	53
25	Ferric Ions Are Essential for the Biological Activity of the Hormone Glycine-extended Gastrin. <i>Journal of Biological Chemistry</i> , 2002, 277, 48602-48609.	3.4	52
26	Laminins and cancer stem cells: Partners in crime?. <i>Seminars in Cancer Biology</i> , 2017, 45, 3-12.	9.6	52
27	Clinical relevance of nine transcriptional molecular markers for the diagnosis of head and neck squamous cell carcinoma in tissue and saliva rinse. <i>BMC Cancer</i> , 2009, 9, 370.	2.6	51
28	Tight Junction Protein Claudin-2 Promotes Self-Renewal of Human Colorectal Cancer Stem-like Cells. <i>Cancer Research</i> , 2018, 78, 2925-2938.	0.9	50
29	Reference gene selection for head and neck squamous cell carcinoma gene expression studies. <i>BMC Molecular Biology</i> , 2009, 10, 78.	3.0	47
30	Essential requirement for $\beta$ -arrestin2 in mouse intestinal tumors with elevated Wnt signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 3047-3052.	7.1	46
31	RIP140 increases APC expression and controls intestinal homeostasis and tumorigenesis. <i>Journal of Clinical Investigation</i> , 2014, 124, 1899-1913.	8.2	45
32	$\beta$ -Catenin/Tcf-4 Inhibition After Progastrin Targeting Reduces Growth and Drives Differentiation of Intestinal Tumors. <i>Gastroenterology</i> , 2007, 133, 1554-1568.	1.3	41
33	Autocrine Secretion of Progastrin Promotes the Survival and Self-Renewal of Colon Cancer Stem-like Cells. <i>Cancer Research</i> , 2016, 76, 3618-3628.	0.9	41
34	Phosphatidylethanol Accumulation Promotes Intestinal Hyperplasia by Inducing ZONAB-Mediated Cell Density Increase in Response to Chronic Ethanol Exposure. <i>Molecular Cancer Research</i> , 2007, 5, 1147-1157.	3.4	39
35	Impact of Tumor and Immunological Heterogeneity on the Anti-Cancer Immune Response. <i>Cancers</i> , 2019, 11, 1217.	3.7	36
36	Pregnane X-receptor promotes stem cell-mediated colon cancer relapse. <i>Oncotarget</i> , 2016, 7, 56558-56573.	1.8	34

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37	Towards Routine Implementation of Liquid Biopsies in Cancer Management: It Is Always Too Early, until Suddenly It Is Too Late. <i>Diagnostics</i> , 2021, 11, 103.	2.6	33
38	SLAP displays tumour suppressor functions in colorectal cancer via destabilization of the SRC substrate EPHA2. <i>Nature Communications</i> , 2014, 5, 3159.	12.8	32
39	Repurposing the selective estrogen receptor modulator <i>bazedoxifene</i> to suppress gastrointestinal cancer growth. <i>EMBO Molecular Medicine</i> , 2019, 11, .	6.9	32
40	A Prepro-TRH Connecting Peptide (Prepro-TRH 160-169) Potentiates TRH-Induced TSH Release from Rat Perfused Pituitaries by Stimulating Dihydropyridine- and Omega-Conotoxin-Sensitive Ca <sup>2+</sup> Channels. <i>Neuroendocrinology</i> , 1991, 54, 559-565.	2.5	31
41	A Spatiotemporally Coordinated Cascade of Protein Kinase C Activation Controls Isoform-Selective Translocation. <i>Molecular and Cellular Biology</i> , 2006, 26, 2247-2261.	2.3	29
42	Breast tumour organoids: promising models for the genomic and functional characterisation of breast cancer. <i>Biochemical Society Transactions</i> , 2019, 47, 109-117.	3.4	29
43	Glycoprotein A33 deficiency: a new model of impaired intestinal epithelial barrier function and inflammatory disease. <i>DMM Disease Models and Mechanisms</i> , 2015, 8, 805-15.	2.4	28
44	A thiol-bound drug reservoir enhances APR246-induced mutant p53 tumor cell death. <i>EMBO Molecular Medicine</i> , 2021, 13, e10852.	6.9	28
45	AF6/afadin is a dual residency protein and localizes to a novel subnuclear compartment. <i>Journal of Cellular Physiology</i> , 2007, 210, 212-223.	4.1	27
46	The long road to colorectal cancer therapy: Searching for the right signals. <i>Drug Resistance Updates</i> , 2010, 13, 44-56.	14.4	25
47	Comparative effects of GLP-1-(7-36) amide, oxyntomodulin and glucagon on rabbit gastric parietal cell function. <i>European Journal of Pharmacology</i> , 1995, 288, 319-327.	2.6	23
48	The A2b adenosine receptor antagonist PSB-603 promotes oxidative phosphorylation and ROS production in colorectal cancer cells via adenosine receptor-independent mechanism. <i>Cancer Letters</i> , 2016, 383, 135-143.	7.2	23
49	The site of breast cancer metastases dictates their clonal composition and reversible transcriptomic profile. <i>Science Advances</i> , 2021, 7, .	10.3	23
50	Laminin 521 enhances self-renewal via STAT3 activation and promotes tumor progression in colorectal cancer. <i>Cancer Letters</i> , 2020, 476, 161-169.	7.2	20
51	Pygeum africanum extract inhibits proliferation of human cultured prostatic fibroblasts and myofibroblasts. <i>BJU International</i> , 2006, 98, 1106-1113.	2.5	19
52	Neural Regulation of Pancreatic Cancer: A Novel Target for Intervention. <i>Cancers</i> , 2015, 7, 1292-1312.	3.7	18
53	Dependence receptors: new targets for cancer therapy. <i>EMBO Molecular Medicine</i> , 2021, 13, e14495.	6.9	17
54	Volatile anaesthesia and perioperative outcomes related to cancer: a feasibility and pilot study for a large randomised control trial. <i>Anaesthesia</i> , 2021, 76, 1198-1206.	3.8	16

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55	High expression of TROP2 characterizes different cell subpopulations in androgen-sensitive and androgen-independent prostate cancer cells. <i>Oncotarget</i> , 2016, 7, 44492-44504.	1.8	16
56	Blockade of long chain fatty acid oxidation by non-steroidal anti-inflammatory drugs may contribute to inhibition of proliferation of human colorectal carcinoma cell lines. <i>Cancer Letters</i> , 1998, 124, 187-191.	7.2	15
57	Characterization of a novel PXR isoform with potential dominant-negative properties. <i>Journal of Hepatology</i> , 2014, 61, 609-616.	3.7	15
58	Ponatinib Inhibits Multiple Signaling Pathways Involved in STAT3 Signaling and Attenuates Colorectal Tumor Growth. <i>Cancers</i> , 2018, 10, 526.	3.7	15
59	CSK-homologous kinase (CHK/MATK) is a potential colorectal cancer tumour suppressor gene epigenetically silenced by promoter methylation. <i>Oncogene</i> , 2021, 40, 3015-3029.	5.9	13
60	Soluble and particulate inositol 1,4,5-trisphosphate 5-phosphatases show common antigenic determinants. <i>Cellular Signalling</i> , 1990, 2, 595-599.	3.6	11
61	Expression of angiotensin I converting enzyme mRNA in rabbit gastric epithelial cells. <i>Molecular and Cellular Endocrinology</i> , 1993, 92, 167-174.	3.2	11
62	Expression of progastrin-derived peptides and gastrin receptors in a panel of gastrointestinal carcinoma cell lines. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 1998, 13, 208-214.	2.8	11
63	Signaling the Junctions in Gut Epithelium. <i>Science Signaling</i> , 2005, 2005, pe13-pe13.	3.6	11
64	The Diverse Applications of Pancreatic Ductal Adenocarcinoma Organoids. <i>Cancers</i> , 2021, 13, 4979.	3.7	9
65	Nicosamide induces miR-148a to inhibit PXR and sensitize colon cancer stem cells to chemotherapy. <i>Stem Cell Reports</i> , 2022, 17, 835-848.	4.8	9
66	Neurohormonal regulation of histamine release from isolated rabbit fundic mucosal cells. <i>Agents and Actions</i> , 1993, 38, 149-157.	0.7	8
67	Treatment of peritoneal carcinomatosis with hyperthermic intraperitoneal chemotherapy in colorectal cancer. <i>ANZ Journal of Surgery</i> , 2017, 87, 665-670.	0.7	8
68	A 20-Amino Acid Module of Protein Kinase C $\mu$ Involved in Translocation and Selective Targeting at Cell-Cell Contacts. <i>Journal of Biological Chemistry</i> , 2009, 284, 18808-18815.	3.4	7
69	Semisupervised Clustering by Iterative Partition and Regression with Neuroscience Applications. <i>Computational Intelligence and Neuroscience</i> , 2016, 2016, 1-13.	1.7	7
70	CD44v6 Defines a New Population of Circulating Tumor Cells Not Expressing EpCAM. <i>Cancers</i> , 2021, 13, 4966.	3.7	6
71	Survival benefit of neoadjuvant chemotherapy and surgery versus surgery first for resectable colorectal liver metastases: a cohort study. <i>ANZ Journal of Surgery</i> , 2021, 91, 1196-1202.	0.7	5
72	Association between imaging response and survival following neoadjuvant chemotherapy in patients with resectable colorectal liver metastases: A cohort study. <i>Journal of Surgical Oncology</i> , 2021, 123, 1263-1273.	1.7	4

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73	Longitudinal Monitoring of Intra-Tumoural Heterogeneity Using Optical Barcoding of Patient-Derived Colorectal Tumour Models. <i>Cancers</i> , 2022, 14, 581.	3.7	4
74	Troubleshooting immunohistochemical labelling of proliferating cell nuclear antigen (PCNA) in cryocut tissue sections of mouse prostate. <i>Journal of Pharmacological and Toxicological Methods</i> , 2010, 61, 98-101.	0.7	3
75	Intestinal Stem Cells: From Homeostasis to Cancer. , 2013, , 219-226.		2
76	Computational Screening of Anti-Cancer Drugs Identifies a New BRCA Independent Gene Expression Signature to Predict Breast Cancer Sensitivity to Cisplatin. <i>Cancers</i> , 2022, 14, 2404.	3.7	2
77	A Spatio-Temporal Model and Inference Tools for Longitudinal Count Data on Multicolor Cell Growth. <i>International Journal of Biostatistics</i> , 2018, 14, .	0.7	1
78	Progastrin production transitions from Bmi1+/Prox1+ to Lgr5high cells during early intestinal tumorigenesis. <i>Translational Oncology</i> , 2021, 14, 101001.	3.7	1
79	R37: Activité anti-oncogénique de la protéine de signalisation Src-Like Adaptor Protein dans les cancers colorectaux. <i>Bulletin Du Cancer</i> , 2010, 97, S30.	1.6	0
80	Curriculum design for research-led teaching: Molecule to Malady. <i>Microbiology Australia</i> , 2016, 37, 65.	0.4	0