

# Jeff Holst

## List of Publications by Citations

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76  
papers

4,247  
citations

35  
h-index

65  
g-index

84  
ext. papers

5,314  
ext. citations

9.6  
avg, IF

5.07  
L-index

#	Paper	IF	Citations
76	ASCT2/SLC1A5 controls glutamine uptake and tumour growth in triple-negative basal-like breast cancer. <i>Oncogene</i> , <b>2016</b> , 35, 3201-8	9.2	290
75	Orchestrated intron retention regulates normal granulocyte differentiation. <i>Cell</i> , <b>2013</b> , 154, 583-95	56.2	290
74	Distinct Immune Cell Populations Define Response to Anti-PD-1 Monotherapy and Anti-PD-1/Anti-CTLA-4 Combined Therapy. <i>Cancer Cell</i> , <b>2019</b> , 35, 238-255.e6	24.3	230
73	Substrate elasticity provides mechanical signals for the expansion of hemopoietic stem and progenitor cells. <i>Nature Biotechnology</i> , <b>2010</b> , 28, 1123-8	44.5	217
72	Targeting ASCT2-mediated glutamine uptake blocks prostate cancer growth and tumour development. <i>Journal of Pathology</i> , <b>2015</b> , 236, 278-89	9.4	208
71	Generation of T-cell receptor retrogenic mice. <i>Nature Protocols</i> , <b>2006</b> , 1, 406-17	18.8	196
70	Adipocyte lipolysis links obesity to breast cancer growth: adipocyte-derived fatty acids drive breast cancer cell proliferation and migration. <i>Cancer &amp; Metabolism</i> , <b>2017</b> , 5, 1	5.4	175
69	General nature of the STAT3-activated anti-inflammatory response. <i>Journal of Immunology</i> , <b>2006</b> , 177, 7880-8	5.3	172
68	Targeting glutamine transport to suppress melanoma cell growth. <i>International Journal of Cancer</i> , <b>2014</b> , 135, 1060-71	7.5	143
67	Nuclear-localized tiny RNAs are associated with transcription initiation and splice sites in metazoans. <i>Nature Structural and Molecular Biology</i> , <b>2010</b> , 17, 1030-4	17.6	134
66	Androgen receptor and nutrient signaling pathways coordinate the demand for increased amino acid transport during prostate cancer progression. <i>Cancer Research</i> , <b>2011</b> , 71, 7525-36	10.1	128
65	Rapid analysis of T-cell selection in vivo using T cell-receptor retrogenic mice. <i>Nature Methods</i> , <b>2006</b> , 3, 191-7	21.6	125
64	Targeting amino acid transport in metastatic castration-resistant prostate cancer: effects on cell cycle, cell growth, and tumor development. <i>Journal of the National Cancer Institute</i> , <b>2013</b> , 105, 1463-73	9.7	119
63	Scalable signaling mediated by T cell antigen receptor-CD3 ITAMs ensures effective negative selection and prevents autoimmunity. <i>Nature Immunology</i> , <b>2008</b> , 9, 658-66	19.1	118
62	L-type amino acid transport and cancer: targeting the mTORC1 pathway to inhibit neoplasia. <i>American Journal of Cancer Research</i> , <b>2015</b> , 5, 1281-94	4.4	106
61	Micro-RNA response to imatinib mesylate in patients with chronic myeloid leukemia. <i>Haematologica</i> , <b>2010</b> , 95, 1325-33	6.6	86
60	Inhibition of glutamine uptake regulates mTORC1, glutamine metabolism and cell growth in prostate cancer. <i>Cancer &amp; Metabolism</i> , <b>2014</b> , 2, P27	5.4	78

59	Androgen receptor and nutrient signaling pathways coordinate increased amino acid transport in prostate cancer progression. <i>BMC Proceedings</i> , <b>2012</b> , 6,	2.3	78
58	Luciferase expression and bioluminescence does not affect tumor cell growth in vitro or in vivo. <i>Molecular Cancer</i> , <b>2010</b> , 9, 299	42.1	70
57	p27(Kip1) signaling: Transcriptional and post-translational regulation. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2015</b> , 68, 9-14	5.6	68
56	Intron retention is regulated by altered MeCP2-mediated splicing factor recruitment. <i>Nature Communications</i> , <b>2017</b> , 8, 15134	17.4	63
55	Impaired nutrient signaling and body weight control in a Na <sup>+</sup> neutral amino acid cotransporter (Slc6a19)-deficient mouse. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 26638-51	5.4	57
54	The Fat1 cadherin is overexpressed and an independent prognostic factor for survival in paired diagnosis-relapse samples of precursor B-cell acute lymphoblastic leukemia. <i>Leukemia</i> , <b>2012</b> , 26, 918-26	10.7	52
53	Stromal androgen receptor regulates the composition of the microenvironment to influence prostate cancer outcome. <i>Oncotarget</i> , <b>2015</b> , 6, 16135-50	3.3	52
52	Renal imino acid and glycine transport system ontogeny and involvement in developmental iminoglycinuria. <i>Biochemical Journal</i> , <b>2010</b> , 428, 397-407	3.8	48
51	The role of serine/threonine protein phosphatases in exocytosis. <i>Biochemical Journal</i> , <b>2003</b> , 373, 641-59	3.8	47
50	Transient translocation and activation of protein phosphatase 2A during mast cell secretion. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 6144-52	5.4	45
49	Ligand Discovery for the Alanine-Serine-Cysteine Transporter (ASCT2, SLC1A5) from Homology Modeling and Virtual Screening. <i>PLoS Computational Biology</i> , <b>2015</b> , 11, e1004477	5	43
48	RAB27A promotes melanoma cell invasion and metastasis via regulation of pro-invasive exosomes. <i>International Journal of Cancer</i> , <b>2019</b> , 144, 3070-3085	7.5	43
47	Extracellular Fatty Acids Are the Major Contributor to Lipid Synthesis in Prostate Cancer. <i>Molecular Cancer Research</i> , <b>2019</b> , 17, 949-962	6.6	41
46	ASCT2 regulates glutamine uptake and cell growth in endometrial carcinoma. <i>Oncogenesis</i> , <b>2017</b> , 6, e3676.6	6.6	40
45	Heritable expansion of the genetic code in mouse and zebrafish. <i>Cell Research</i> , <b>2017</b> , 27, 294-297	24.7	39
44	The cancer-testis antigen BORIS phenocopies the tumor suppressor CTCF in normal and neoplastic cells. <i>International Journal of Cancer</i> , <b>2013</b> , 133, 1603-13	7.5	37
43	Targeting Vascular Endothelial-Cadherin in Tumor-Associated Blood Vessels Promotes T-cell-Mediated Immunotherapy. <i>Cancer Research</i> , <b>2017</b> , 77, 4434-4447	10.1	36
42	Tonic ubiquitylation controls T-cell receptor:CD3 complex expression during T-cell development. <i>EMBO Journal</i> , <b>2010</b> , 29, 1285-98	13	36

41	RBM3 regulates temperature sensitive miR-142-5p and miR-143 (thermomiRs), which target immune genes and control fever. <i>Nucleic Acids Research</i> , <b>2016</b> , 44, 2888-97	20.1	34
40	Ablation of the () gene encoding a neutral amino acid transporter reveals transporter plasticity and redundancy in cancer cells. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 4012-4026	5.4	34
39	Distinct Molecular Profiles and Immunotherapy Treatment Outcomes of V600E and V600K -Mutant Melanoma. <i>Clinical Cancer Research</i> , <b>2019</b> , 25, 1272-1279	12.9	32
38	Human DECR1 is an androgen-repressed survival factor that regulates PUFA oxidation to protect prostate tumor cells from ferroptosis. <i>ELife</i> , <b>2020</b> , 9,	8.9	31
37	Bioactive Dihydro-agarofuran Sesquiterpenoids from the Australian Rainforest Plant <i>Maytenus bilocularis</i> . <i>Journal of Natural Products</i> , <b>2016</b> , 79, 1445-53	4.9	29
36	Protein phosphatases 1 and 2A transiently associate with myosin during the peak rate of secretion from mast cells. <i>Molecular Biology of the Cell</i> , <b>2002</b> , 13, 1083-98	3.5	28
35	LAT1 is a putative therapeutic target in endometrioid endometrial carcinoma. <i>International Journal of Cancer</i> , <b>2016</b> , 139, 2529-39	7.5	28
34	Guttiferone K impedes cell cycle re-entry of quiescent prostate cancer cells via stabilization of FBXW7 and subsequent c-MYC degradation. <i>Cell Death and Disease</i> , <b>2016</b> , 7, e2252	9.8	25
33	Monoterpene glycoside ESK246 from <i>Pittosporum</i> targets LAT3 amino acid transport and prostate cancer cell growth. <i>ACS Chemical Biology</i> , <b>2014</b> , 9, 1369-76	4.9	24
32	Benzylserine inhibits breast cancer cell growth by disrupting intracellular amino acid homeostasis and triggering amino acid response pathways. <i>BMC Cancer</i> , <b>2018</b> , 18, 689	4.8	23
31	Identification of nuclear-enriched miRNAs during mouse granulopoiesis. <i>Journal of Hematology and Oncology</i> , <b>2014</b> , 7, 42	22.4	23
30	Tumour-specific CD4 T cells eradicate melanoma via indirect recognition of tumour-derived antigen. <i>Immunology and Cell Biology</i> , <b>2016</b> , 94, 593-603	5	18
29	Amino Acid Transporters and Exchangers from the SLC1A Family: Structure, Mechanism and Roles in Physiology and Cancer. <i>Neurochemical Research</i> , <b>2020</b> , 45, 1268-1286	4.6	16
28	Homology Modeling Informs Ligand Discovery for the Glutamine Transporter ASCT2. <i>Frontiers in Chemistry</i> , <b>2018</b> , 6, 279	5	15
27	Cancer-Associated Fibroblasts in Pancreatic Ductal Adenocarcinoma Determine Response to SLC7A11 Inhibition. <i>Cancer Research</i> , <b>2021</b> , 81, 3461-3479	10.1	15
26	EGF-activated PI3K/Akt signalling coordinates leucine uptake by regulating LAT3 expression in prostate cancer. <i>Cell Communication and Signaling</i> , <b>2019</b> , 17, 83	7.5	12
25	LAT Transport Inhibitors from <i>Pittosporum venulosum</i> Identified by NMR Fingerprint Analysis. <i>Journal of Natural Products</i> , <b>2015</b> , 78, 1215-20	4.9	12
24	DNA methylation/hydroxymethylation regulate gene expression and alternative splicing during terminal granulopoiesis. <i>Epigenomics</i> , <b>2019</b> , 11, 95-109	4.4	11

23	SAMHD1 enhances immunoglobulin hypermutation by promoting transversion mutation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 4921-4926	11.5	10
22	Protein phosphatase 2A carboxymethylation and regulatory B subunits differentially regulate mast cell degranulation. <i>Cellular Signalling</i> , <b>2010</b> , 22, 1882-90	4.9	10
21	The antiproliferative ELF2 isoform, ELF2B, induces apoptosis in vitro and perturbs early lymphocytic development in vivo. <i>Journal of Hematology and Oncology</i> , <b>2017</b> , 10, 75	22.4	9
20	Dihydro-βagarofurans from the Australian Endemic Rainforest Plant Denhamia pittosporoides Inhibit Leucine Transport in Prostate Cancer Cells. <i>Asian Journal of Organic Chemistry</i> , <b>2016</b> , 5, 1461-1466		9
19	Targeting of cytosolic phospholipase A2 impedes cell cycle re-entry of quiescent prostate cancer cells. <i>Oncotarget</i> , <b>2015</b> , 6, 34458-74	3.3	9
18	RB/E2F1 as a Master Regulator of Cancer Cell Metabolism in Advanced Disease. <i>Cancer Discovery</i> , <b>2021</b> , 11, 2334-2353	24.4	9
17	Dihydro-βagarofurans from the roots of the Australian endemic rainforest tree Maytenus bilocularis act as leucine transport inhibitors. <i>Phytochemistry</i> , <b>2018</b> , 148, 71-77	4	8
16	Identifying microRNA determinants of human myelopoiesis. <i>Scientific Reports</i> , <b>2018</b> , 8, 7264	4.9	8
15	Celastrolfurans A-G: Dihydro-βagarofurans from the Australian Rainforest Vine Celastrus subspicata and Their Inhibitory Effect on Leucine Transport in Prostate Cancer Cells. <i>Journal of Natural Products</i> , <b>2017</b> , 80, 1918-1925	4.9	6
14	A feedback loop between the androgen receptor and 6-phosphogluconate dehydrogenase (6PGD) drives prostate cancer growth. <i>ELife</i> , <b>2021</b> , 10,	8.9	6
13	Inhibition of guanosine monophosphate synthetase (GMPS) blocks glutamine metabolism and prostate cancer growth. <i>Journal of Pathology</i> , <b>2021</b> , 254, 135-146	9.4	5
12	Performance evaluation of the Abbott CELL-DYN Emerald for use as a bench-top analyzer in a research setting. <i>International Journal of Laboratory Hematology</i> , <b>2013</b> , 35, 447-56	2.5	4
11	T-cell acute lymphoblastic leukemias express a unique truncated FAT1 isoform that cooperates with NOTCH1 in leukemia development. <i>Haematologica</i> , <b>2019</b> , 104, e204-e207	6.6	3
10	Mutation Is a Prognostic Factor in Lower Grade Glioma and May Influence Chemotherapy Efficacy. <i>Cancers</i> , <b>2021</b> , 13,	6.6	2
9	Synthesis of bilocularin A carbamate derivatives and their evaluation as leucine transport inhibitors in prostate cancer cells. <i>Phytochemistry</i> , <b>2020</b> , 179, 112478	4	2
8	Dihydro-βagarofurans from the Australian rainforest plant Denhamia celastroides that inhibit leucine transport in prostate cancer cells. <i>Magnetic Resonance in Chemistry</i> , <b>2018</b> , 57, 101	2.1	2
7	The use of retroviral vectors for gene transfer into hematopoietic stem cells. <i>Methods in Enzymology</i> , <b>2006</b> , 420, 82-100	1.7	1
6	Cancer-associated fibroblasts in pancreatic ductal adenocarcinoma determine response to SLC7A11 inhibition		1

- 5 Regulation of SLC1A4 and SLC1A5 in Prostate Cancer-Letter. *Molecular Cancer Research*, **2018**, 16, 1809-1810 o
- 4 Letter to the editor. *International Journal of Pharmaceutics*, **2013**, 455, 393 6.5
- 3 Protein phosphatase translocation in RBL-2H3 cells. *Methods in Enzymology*, **2003**, 366, 113-24 1.7
- 2 Changes in CpG methylation marks differentiation of human myeloid progenitors to neutrophils. *Stem Cell Investigation*, **2014**, 1, 10 5.1
- 1 Intron Retention Coupled with Nonsense-Mediated Decay Determines Protein Expression and Nuclear Morphology in Granulopoiesis. *Blood*, **2012**, 120, 112-112 2.2