

Jeff Holst

List of Publications by Year in descending order

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79
papers

5,861
citations

87888

38
h-index

79698

73
g-index

84
all docs

84
docs citations

84
times ranked

10569
citing authors

#	ARTICLE	IF	CITATIONS
1	Distinct Immune Cell Populations Define Response to Anti-PD-1 Monotherapy and Anti-PD-1/Anti-CTLA-4 Combined Therapy. <i>Cancer Cell</i> , 2019, 35, 238-255.e6.	16.8	547
2	ASCT2/SLC1A5 controls glutamine uptake and tumour growth in triple-negative basal-like breast cancer. <i>Oncogene</i> , 2016, 35, 3201-3208.	5.9	430
3	Orchestrated Intron Retention Regulates Normal Granulocyte Differentiation. <i>Cell</i> , 2013, 154, 583-595.	28.9	408
4	Adipocyte lipolysis links obesity to breast cancer growth: adipocyte-derived fatty acids drive breast cancer cell proliferation and migration. <i>Cancer & Metabolism</i> , 2017, 5, 1.	5.0	284
5	Targeting ASCT2-mediated glutamine uptake blocks prostate cancer growth and tumour development. <i>Journal of Pathology</i> , 2015, 236, 278-289.	4.5	275
6	Substrate elasticity provides mechanical signals for the expansion of hemopoietic stem and progenitor cells. <i>Nature Biotechnology</i> , 2010, 28, 1123-1128.	17.5	244
7	Generation of T-cell receptor retrogenic mice. <i>Nature Protocols</i> , 2006, 1, 406-417.	12.0	230
8	General Nature of the STAT3-Activated Anti-Inflammatory Response. <i>Journal of Immunology</i> , 2006, 177, 7880-7888.	0.8	197
9	Targeting glutamine transport to suppress melanoma cell growth. <i>International Journal of Cancer</i> , 2014, 135, 1060-1071.	5.1	179
10	Scalable signaling mediated by T cell antigen receptor CD3 ITAMs ensures effective negative selection and prevents autoimmunity. <i>Nature Immunology</i> , 2008, 9, 658-666.	14.5	147
11	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> , 2013, 105, 1463-1473.	6.3	147
12	Nuclear-localized tiny RNAs are associated with transcription initiation and splice sites in metazoans. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 1030-1034.	8.2	146
13	Androgen Receptor and Nutrient Signaling Pathways Coordinate the Demand for Increased Amino Acid Transport during Prostate Cancer Progression. <i>Cancer Research</i> , 2011, 71, 7525-7536.	0.9	145
14	Rapid analysis of T-cell selection in vivo using T cell receptor retrogenic mice. <i>Nature Methods</i> , 2006, 3, 191-197.	19.0	141
15	L-type amino acid transport and cancer: targeting the mTORC1 pathway to inhibit neoplasia. <i>American Journal of Cancer Research</i> , 2015, 5, 1281-94.	1.4	115
16	Micro-RNA response to imatinib mesylate in patients with chronic myeloid leukemia. <i>Haematologica</i> , 2010, 95, 1325-1333.	3.5	113
17	Human DECR1 is an androgen-repressed survival factor that regulates PUFA oxidation to protect prostate tumor cells from ferroptosis. <i>ELife</i> , 2020, 9, .	6.0	104
18	Intron retention is regulated by altered MeCP2-mediated splicing factor recruitment. <i>Nature Communications</i> , 2017, 8, 15134.	12.8	92

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19	p27 Kip1 signaling: Transcriptional and post-translational regulation. <i>International Journal of Biochemistry and Cell Biology</i> , 2015, 68, 9-14.	2.8	82
20	Luciferase expression and bioluminescence does not affect tumor cell growth in vitro or in vivo. <i>Molecular Cancer</i> , 2010, 9, 299.	19.2	77
21	Impaired Nutrient Signaling and Body Weight Control in a Na ⁺ Neutral Amino Acid Cotransporter (Slc6a19)-deficient Mouse. <i>Journal of Biological Chemistry</i> , 2011, 286, 26638-26651.	3.4	76
22	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> , 2012, 26, 918-926.	7.2	73
23	RAB27A promotes melanoma cell invasion and metastasis via regulation of proinvasive exosomes. <i>International Journal of Cancer</i> , 2019, 144, 3070-3085.	5.1	72
24	Stromal androgen receptor regulates the composition of the microenvironment to influence prostate cancer outcome. <i>Oncotarget</i> , 2015, 6, 16135-16150.	1.8	66
25	Extracellular Fatty Acids Are the Major Contributor to Lipid Synthesis in Prostate Cancer. <i>Molecular Cancer Research</i> , 2019, 17, 949-962.	3.4	65
26	Ablation of the ASCT2 (SLC1A5) gene encoding a neutral amino acid transporter reveals transporter plasticity and redundancy in cancer cells. <i>Journal of Biological Chemistry</i> , 2019, 294, 4012-4026.	3.4	64
27	Ligand Discovery for the Alanine-Serine-Cysteine Transporter (ASCT2, SLC1A5) from Homology Modeling and Virtual Screening. <i>PLoS Computational Biology</i> , 2015, 11, e1004477.	3.2	62
28	Cancer-Associated Fibroblasts in Pancreatic Ductal Adenocarcinoma Determine Response to SLC7A11 Inhibition. <i>Cancer Research</i> , 2021, 81, 3461-3479.	0.9	62
29	Heritable expansion of the genetic code in mouse and zebrafish. <i>Cell Research</i> , 2017, 27, 294-297.	12.0	57
30	ASCT2 regulates glutamine uptake and cell growth in endometrial carcinoma. <i>Oncogenesis</i> , 2017, 6, e367-e367.	4.9	57
31	Distinct Molecular Profiles and Immunotherapy Treatment Outcomes of V600E and V600K BRAF-Mutant Melanoma. <i>Clinical Cancer Research</i> , 2019, 25, 1272-1279.	7.0	57
32	Renal imino acid and glycine transport system ontogeny and involvement in developmental iminoglycinuria. <i>Biochemical Journal</i> , 2010, 428, 397-407.	3.7	56
33	The role of serine/threonine protein phosphatases in exocytosis. <i>Biochemical Journal</i> , 2003, 373, 641-659.	3.7	53
34	Targeting Vascular Endothelial-Cadherin in Tumor-Associated Blood Vessels Promotes T-cell-Mediated Immunotherapy. <i>Cancer Research</i> , 2017, 77, 4434-4447.	0.9	52
35	RBM3 regulates temperature sensitive miR-142-5p and miR-143 (thermomiRs), which target immune genes and control fever. <i>Nucleic Acids Research</i> , 2016, 44, 2888-2897.	14.5	50
36	The cancer-testis antigen BORIS phenocopies the tumor suppressor CTCF in normal and neoplastic cells. <i>International Journal of Cancer</i> , 2013, 133, 1603-1613.	5.1	48

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37	Transient Translocation and Activation of Protein Phosphatase 2A during Mast Cell Secretion. <i>Journal of Biological Chemistry</i> , 2000, 275, 6144-6152.	3.4	46
38	Benzylserine inhibits breast cancer cell growth by disrupting intracellular amino acid homeostasis and triggering amino acid response pathways. <i>BMC Cancer</i> , 2018, 18, 689.	2.6	43
39	Tonic ubiquitylation controls T-cell receptor:CD3 complex expression during T-cell development. <i>EMBO Journal</i> , 2010, 29, 1285-1298.	7.8	40
40	Amino Acid Transporters and Exchangers from the SLC1A Family: Structure, Mechanism and Roles in Physiology and Cancer. <i>Neurochemical Research</i> , 2020, 45, 1268-1286.	3.3	40
41	RB/E2F1 as a Master Regulator of Cancer Cell Metabolism in Advanced Disease. <i>Cancer Discovery</i> , 2021, 11, 2334-2353.	9.4	40
42	LAT1 is a putative therapeutic target in endometrioid endometrial carcinoma. <i>International Journal of Cancer</i> , 2016, 139, 2529-2539.	5.1	36
43	Monoterpene Glycoside ESK246 from <i>Pittosporum</i> Targets LAT3 Amino Acid Transport and Prostate Cancer Cell Growth. <i>ACS Chemical Biology</i> , 2014, 9, 1369-1376.	3.4	35
44	Tumour-specific CD4 T cells eradicate melanoma via indirect recognition of tumour-derived antigen. <i>Immunology and Cell Biology</i> , 2016, 94, 593-603.	2.3	34
45	Bioactive Dihydro- β -agarofuran Sesquiterpenoids from the Australian Rainforest Plant <i>Maytenus bilocularis</i> . <i>Journal of Natural Products</i> , 2016, 79, 1445-1453.	3.0	33
46	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> , 2016, 7, e2252-e2252.	6.3	33
47	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> , 2002, 13, 1083-1098.	2.1	30
48	Identification of nuclear-enriched miRNAs during mouse granulopoiesis. <i>Journal of Hematology and Oncology</i> , 2014, 7, 42.	17.0	29
49	ASCT2: a potential cancer drug target. <i>Expert Opinion on Therapeutic Targets</i> , 2019, 23, 555-558.	3.4	27
50	SAMHD1 enhances immunoglobulin hypermutation by promoting transversion mutation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4921-4926.	7.1	26
51	Homology Modeling Informs Ligand Discovery for the Glutamine Transporter ASCT2. <i>Frontiers in Chemistry</i> , 2018, 6, 279.	3.6	21
52	EGF-activated PI3K/Akt signalling coordinates leucine uptake by regulating LAT3 expression in prostate cancer. <i>Cell Communication and Signaling</i> , 2019, 17, 83.	6.5	20
53	Inhibition of guanosine monophosphate synthetase (<i>GMPS</i>) blocks glutamine metabolism and prostate cancer growth. <i>Journal of Pathology</i> , 2021, 254, 135-146.	4.5	19
54	DNA methylation/hydroxymethylation regulate gene expression and alternative splicing during terminal granulopoiesis. <i>Epigenomics</i> , 2019, 11, 95-109.	2.1	18

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55	Targeting of cytosolic phospholipase A2 \pm impedes cell cycle re-entry of quiescent prostate cancer cells. <i>Oncotarget</i> , 2015, 6, 34458-34474.	1.8	17
56	Dihydro- β -agarofurans from the roots of the Australian endemic rainforest tree <i>Maytenus bilocularis</i> act as leucine transport inhibitors. <i>Phytochemistry</i> , 2018, 148, 71-77.	2.9	17
57	Zwitterionic Amino Acid-Derived Polyacrylates as Smart Materials Exhibiting Cellular Specificity and Therapeutic Activity. <i>Biomacromolecules</i> , 2022, 23, 2374-2387.	5.4	17
58	The antiproliferative ELF2 isoform, ELF2B, induces apoptosis in vitro and perturbs early lymphocytic development in vivo. <i>Journal of Hematology and Oncology</i> , 2017, 10, 75.	17.0	16
59	A feedback loop between the androgen receptor and 6-phosphogluconate dehydrogenase (6PGD) drives prostate cancer growth. <i>ELife</i> , 2021, 10, .	6.0	16
60	Glutamine addiction promotes glucose oxidation in triple-negative breast cancer. <i>Oncogene</i> , 2022, 41, 4066-4078.	5.9	15
61	Identifying microRNA determinants of human myelopoiesis. <i>Scientific Reports</i> , 2018, 8, 7264.	3.3	14
62	LAT Transport Inhibitors from <i>Pittosporum venulosum</i> Identified by NMR Fingerprint Analysis. <i>Journal of Natural Products</i> , 2015, 78, 1215-1220.	3.0	13
63	TP53 Mutation Is a Prognostic Factor in Lower Grade Glioma and May Influence Chemotherapy Efficacy. <i>Cancers</i> , 2021, 13, 5362.	3.7	13
64	Protein phosphatase 2A carboxymethylation and regulatory B subunits differentially regulate mast cell degranulation. <i>Cellular Signalling</i> , 2010, 22, 1882-1890.	3.6	12
65	A Novel Role for DNA-PK in Metabolism by Regulating Glycolysis in Castration-Resistant Prostate Cancer. <i>Clinical Cancer Research</i> , 2022, 28, 1446-1459.	7.0	12
66	Celastrolfurans A α -G: Dihydro- β -agarofurans from the Australian Rainforest Vine <i>Celastrus subspicata</i> and Their Inhibitory Effect on Leucine Transport in Prostate Cancer Cells. <i>Journal of Natural Products</i> , 2017, 80, 1918-1925.	3.0	11
67	Dihydro- β -agarofurans from the Australian Endemic Rainforest Plant <i>Denhamia pittosporoides</i> Inhibit Leucine Transport in Prostate Cancer Cells. <i>Asian Journal of Organic Chemistry</i> , 2016, 5, 1461-1466.	2.7	10
68	Intron Retention Coupled with Nonsense-Mediated Decay Determines Protein Expression and Nuclear Morphology in Granulopoiesis. <i>Blood</i> , 2012, 120, 112-112.	1.4	9
69	T-cell acute lymphoblastic leukemias express a unique truncated FAT1 isoform that cooperates with NOTCH1 in leukemia development. <i>Haematologica</i> , 2019, 104, e204-e207.	3.5	6
70	Performance evaluation of the <i>Abbott CELL-DYN E</i> merald for use as a benchtop analyzer in a research setting. <i>International Journal of Laboratory Hematology</i> , 2013, 35, 447-456.	1.3	5
71	Synthesis of bilocularin A carbamate derivatives and their evaluation as leucine transport inhibitors in prostate cancer cells. <i>Phytochemistry</i> , 2020, 179, 112478.	2.9	5
72	Dihydro- β -agarofurans from the Australian rainforest plant <i>Denhamia celastroides</i> that inhibit leucine transport in prostate cancer cells. <i>Magnetic Resonance in Chemistry</i> , 2019, 57, 101-109.	1.9	4

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73	The Use of Retroviral Vectors for Gene Transfer into Hematopoietic Stem Cells. <i>Methods in Enzymology</i> , 2006, 420, 82-100.	1.0	1
74	Androgen receptor and nutrient signaling pathways coordinate increased amino acid transport in prostate cancer progression. <i>BMC Proceedings</i> , 2012, 6, .	1.6	1
75	Regulation of SLC1A4 and SLC1A5 in Prostate Cancer Letter. <i>Molecular Cancer Research</i> , 2018, 16, 1809-1810.	3.4	1
76	Protein Phosphatase Translocation in RBL-2H3 Cells. <i>Methods in Enzymology</i> , 2003, 366, 113-124.	1.0	0
77	Letter to the Editor. <i>International Journal of Pharmaceutics</i> , 2013, 455, 393.	5.2	0
78	Inhibition of glutamine uptake regulates mTORC1, glutamine metabolism and cell growth in prostate cancer. <i>Cancer & Metabolism</i> , 2014, 2, P27.	5.0	0
79	Changes in CpG methylation marks differentiation of human myeloid progenitors to neutrophils. <i>Stem Cell Investigation</i> , 2014, 1, 10.	3.0	0