Jeff Holst

List of Publications by Year
in descending order

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	A Novel Role for DNA-PK in Metabolism by Regulating Glycolysis in Castration-Resistant Prostate Cancer. Clinical Cancer Research, 2022, 28, 1446-1459.	7.0	12
2	Zwitterionic Amino Acid-Derived Polyacrylates as Smart Materials Exhibiting Cellular Specificity and Therapeutic Activity. Biomacromolecules, 2022, 23, 2374-2387.	5.4	17
3	Glutamine addiction promotes glucose oxidation in triple-negative breast cancer. Oncogene, 2022, 41, 4066-4078.	5.9	15
4	RB/E2F1 as a Master Regulator of Cancer Cell Metabolism in Advanced Disease. Cancer Discovery, 2021, 11, 2334-2353.	9.4	40
5	Inhibition of guanosine monophosphate synthetase (<scp>GMPS</scp>) blocks glutamine metabolism and prostate cancer growth. Journal of Pathology, 2021, 254, 135-146.	4.5	19
6	Cancer-Associated Fibroblasts in Pancreatic Ductal Adenocarcinoma Determine Response to SLC7A11 Inhibition. Cancer Research, 2021, 81, 3461-3479.	0.9	62
7	A feedback loop between the androgen receptor and 6-phosphogluconate dehydrogenase (6PGD) drives prostate cancer growth. ELife, 2021, 10, .	6.0	16
8	TP53 Mutation Is a Prognostic Factor in Lower Grade Glioma and May Influence Chemotherapy Efficacy. Cancers, 2021, 13, 5362.	3.7	13
9	Synthesis of bilocularin A carbamate derivatives and their evaluation as leucine transport inhibitors in prostate cancer cells. Phytochemistry, 2020, 179, 112478.	2.9	5
10	Amino Acid Transporters and Exchangers from the SLC1A Family: Structure, Mechanism and Roles in Physiology and Cancer. Neurochemical Research, 2020, 45, 1268-1286.	3.3	40
11	Human DECR1 is an androgen-repressed survival factor that regulates PUFA oxidation to protect prostate tumor cells from ferroptosis. ELife, 2020, 9, .	6.0	104
12	EGF-activated PI3K/Akt signalling coordinates leucine uptake by regulating LAT3 expression in prostate cancer. Cell Communication and Signaling, 2019, 17, 83.	6.5	20
13	ASCT2: a potential cancer drug target. Expert Opinion on Therapeutic Targets, 2019, 23, 555-558.	3.4	27
14	Distinct Immune Cell Populations Define Response to Anti-PD-1 Monotherapy and Anti-PD-1/Anti-CTLA-4 Combined Therapy. Cancer Cell, 2019, 35, 238-255.e6.	16.8	547
15	RAB27A promotes melanoma cell invasion and metastasis via regulation of proâ€invasive exosomes. International Journal of Cancer, 2019, 144, 3070-3085.	5.1	72
16	DNA methylation/hydroxymethylation regulate gene expression and alternative splicing during terminal granulopoiesis. Epigenomics, 2019, 11, 95-109.	2.1	18
17	Distinct Molecular Profiles and Immunotherapy Treatment Outcomes of V600E and V600K BRAF-Mutant Melanoma. Clinical Cancer Research, 2019, 25, 1272-1279.	7.0	57
18	Ablation of the ASCT2 (SLC1A5) gene encoding a neutral amino acid transporter reveals transporter plasticity and redundancy in cancer cells. Journal of Biological Chemistry, 2019, 294, 4012-4026.	3.4	64

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19	Extracellular Fatty Acids Are the Major Contributor to Lipid Synthesis in Prostate Cancer. Molecular Cancer Research, 2019, 17, 949-962.	3.4	65
20	Dihydroâ€•Î² â€agarofurans from the Australian rainforest plant Denhamia celastroides that inhibit leucine transport in prostate cancer cells. Magnetic Resonance in Chemistry, 2019, 57, 101-109.	1.9	4
21	T-cell acute lymphoblastic leukemias express a unique truncated FAT1 isoform that cooperates with NOTCH1 in leukemia development. Haematologica, 2019, 104, e204-e207.	3.5	6
22	SAMHD1 enhances immunoglobulin hypermutation by promoting transversion mutation. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4921-4926.	7.1	26
23	Dihydro-Î²-agarofurans from the roots of the Australian endemic rainforest tree Maytenus bilocularis act as leucine transport inhibitors. Phytochemistry, 2018, 148, 71-77.	2.9	17
24	Regulation of SLC1A4 and SLC1A5 in Prostate Cancerâ€”Letter. Molecular Cancer Research, 2018, 16, 1809-1810.	3.4	1
25	Homology Modeling Informs Ligand Discovery for the Glutamine Transporter ASCT2. Frontiers in Chemistry, 2018, 6, 279.	3.6	21
26	Benzylserine inhibits breast cancer cell growth by disrupting intracellular amino acid homeostasis and triggering amino acid response pathways. BMC Cancer, 2018, 18, 689.	2.6	43
27	Identifying microRNA determinants of human myelopoiesis. Scientific Reports, 2018, 8, 7264.	3.3	14
28	Adipocyte lipolysis links obesity to breast cancer growth: adipocyte-derived fatty acids drive breast cancer cell proliferation and migration. Cancer & Metabolism, 2017, 5, 1.	5.0	284
29	Intron retention is regulated by altered MeCP2-mediated splicing factor recruitment. Nature Communications, 2017, 8, 15134.	12.8	92
30	Celastrofurans Aâ€“G: Dihydro-Î²-agarofurans from the Australian Rainforest Vine Celastrus subspicata and Their Inhibitory Effect on Leucine Transport in Prostate Cancer Cells. Journal of Natural Products, 2017, 80, 1918-1925.	3.0	11
31	The antiproliferative ELF2 isoform, ELF2B, induces apoptosis in vitro and perturbs early lymphocytic development in vivo. Journal of Hematology and Oncology, 2017, 10, 75.	17.0	16
32	Heritable expansion of the genetic code in mouse and zebrafish. Cell Research, 2017, 27, 294-297.	12.0	57
33	ASCT2 regulates glutamine uptake and cell growth in endometrial carcinoma. Oncogenesis, 2017, 6, e367-e367.	4.9	57
34	Targeting Vascular Endothelial-Cadherin in Tumor-Associated Blood Vessels Promotes T-cellâ€“Mediated Immunotherapy. Cancer Research, 2017, 77, 4434-4447.	0.9	52
35	Bioactive Dihydro-Î²-agarofuran Sesquiterpenoids from the Australian Rainforest Plant Maytenus bilocularis. Journal of Natural Products, 2016, 79, 1445-1453.	3.0	33
36	LAT1 is a putative therapeutic target in endometrioid endometrial carcinoma. International Journal of Cancer, 2016, 139, 2529-2539.	5.1	36

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37	Dihydroâ€Î² â€agarofurans from the Australian Endemic Rainforest Plant Denhamia pittosporoides Inhibit Leucine Transport in Prostate Cancer Cells. Asian Journal of Organic Chemistry, 2016, 5, 1461-1466.	2.7	10
38	Guttiferone K impedes cell cycle re-entry of quiescent prostate cancer cells via stabilization of FBXW7 and subsequent c-MYC degradation. Cell Death and Disease, 2016, 7, e2252-e2252.	6.3	33
39	Tumourâ€specific CD4 T cells eradicate melanoma via indirect recognition of tumourâ€derived antigen. Immunology and Cell Biology, 2016, 94, 593-603.	2.3	34
40	RBM3 regulates temperature sensitive miR-142â€“5p and miR-143 (thermomiRs), which target immune genes and control fever. Nucleic Acids Research, 2016, 44, 2888-2897.	14.5	50
41	ASCT2/SLC1A5 controls glutamine uptake and tumour growth in triple-negative basal-like breast cancer. Oncogene, 2016, 35, 3201-3208.	5.9	430
42	Targeting <scp>ASCT2</scp>â€mediated glutamine uptake blocks prostate cancer growth and tumour development. Journal of Pathology, 2015, 236, 278-289.	4.5	275
43	Ligand Discovery for the Alanine-Serine-Cysteine Transporter (ASCT2, SLC1A5) from Homology Modeling and Virtual Screening. PLoS Computational Biology, 2015, 11, e1004477.	3.2	62
44	Targeting of cytosolic phospholipase A2Î± impedes cell cycle re-entry of quiescent prostate cancer cells. Oncotarget, 2015, 6, 34458-34474.	1.8	17
45	LAT Transport Inhibitors from Pittosporum venulosum Identified by NMR Fingerprint Analysis. Journal of Natural Products, 2015, 78, 1215-1220.	3.0	13
46	p27 Kip1 signaling: Transcriptional and post-translational regulation. International Journal of Biochemistry and Cell Biology, 2015, 68, 9-14.	2.8	82
47	Stromal androgen receptor regulates the composition of the microenvironment to influence prostate cancer outcome. Oncotarget, 2015, 6, 16135-16150.	1.8	66
48	L-type amino acid transport and cancer: targeting the mTORC1 pathway to inhibit neoplasia. American Journal of Cancer Research, 2015, 5, 1281-94.	1.4	115
49	Targeting glutamine transport to suppress melanoma cell growth. International Journal of Cancer, 2014, 135, 1060-1071.	5.1	179
50	Monoterpene Glycoside ESK246 from Pittosporum Targets LAT3 Amino Acid Transport and Prostate Cancer Cell Growth. ACS Chemical Biology, 2014, 9, 1369-1376.	3.4	35
51	Identification of nuclear-enriched miRNAs during mouse granulopoiesis. Journal of Hematology and Oncology, 2014, 7, 42.	17.0	29
52	Inhibition of glutamine uptake regulates mTORC1, glutamine metabolism and cell growth in prostate cancer. Cancer & Metabolism, 2014, 2, P27.	5.0	0
53	Changes in CpG methylation marks differentiation of human myeloid progenitors to neutrophils. Stem Cell Investigation, 2014, 1, 10.	3.0	0
54	Orchestrated Intron Retention Regulates Normal Granulocyte Differentiation. Cell, 2013, 154, 583-595.	28.9	408

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55	Letter to the Editor. International Journal of Pharmaceutics, 2013, 455, 393.	5.2	0
56	The cancerâ€testis antigen BORIS phenocopies the tumor suppressor CTCF in normal and neoplastic cells. International Journal of Cancer, 2013, 133, 1603-1613.	5.1	48
57	Performance evaluation of the <scp>A</scp>bbott <scp>CELL</scp>â€<scp>DYN E</scp>merald for use as a benchâ€top analyzer in a research setting. International Journal of Laboratory Hematology, 2013, 35, 447-456.	1.3	5
58	Targeting Amino Acid Transport in Metastatic Castration-Resistant Prostate Cancer: Effects on Cell Cycle, Cell Growth, and Tumor Development. Journal of the National Cancer Institute, 2013, 105, 1463-1473.	6.3	147
59	The Fat1 cadherin is overexpressed and an independent prognostic factor for survival in paired diagnosisâ€“relapse samples of precursor B-cell acute lymphoblastic leukemia. Leukemia, 2012, 26, 918-926.	7.2	73
60	Androgen receptor and nutrient signaling pathways coordinate increased amino acid transport in prostate cancer progression. BMC Proceedings, 2012, 6, .	1.6	1
61	Intron Retention Coupled with Nonsense-Mediated Decay Determines Protein Expression and Nuclear Morphology in Granulopoiesis. Blood, 2012, 120, 112-112.	1.4	9
62	Impaired Nutrient Signaling and Body Weight Control in a Na+ Neutral Amino Acid Cotransporter (Slc6a19)-deficient Mouse. Journal of Biological Chemistry, 2011, 286, 26638-26651.	3.4	76
63	Androgen Receptor and Nutrient Signaling Pathways Coordinate the Demand for Increased Amino Acid Transport during Prostate Cancer Progression. Cancer Research, 2011, 71, 7525-7536.	0.9	145
64	Renal imino acid and glycine transport system ontogeny and involvement in developmental iminoglycinuria. Biochemical Journal, 2010, 428, 397-407.	3.7	56
65	Protein phosphatase 2A carboxymethylation and regulatory B subunits differentially regulate mast cell degranulation. Cellular Signalling, 2010, 22, 1882-1890.	3.6	12
66	Nuclear-localized tiny RNAs are associated with transcription initiation and splice sites in metazoans. Nature Structural and Molecular Biology, 2010, 17, 1030-1034.	8.2	146
67	Tonic ubiquitylation controls T-cell receptor:CD3 complex expression during T-cell development. EMBO Journal, 2010, 29, 1285-1298.	7.8	40
68	Substrate elasticity provides mechanical signals for the expansion of hemopoietic stem and progenitor cells. Nature Biotechnology, 2010, 28, 1123-1128.	17.5	244
69	Micro-RNA response to imatinib mesylate in patients with chronic myeloid leukemia. Haematologica, 2010, 95, 1325-1333.	3.5	113
70	Luciferase expression and bioluminescence does not affect tumor cell growth in vitro or in vivo. Molecular Cancer, 2010, 9, 299.	19.2	77
71	Scalable signaling mediated by T cell antigen receptorâ€“CD3 ITAMs ensures effective negative selection and prevents autoimmunity. Nature Immunology, 2008, 9, 658-666.	14.5	147
72	Rapid analysis of T-cell selection in vivo using T cellâ€“receptor retrogenic mice. Nature Methods, 2006, 3, 191-197.	19.0	141

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73	Generation of T-cell receptor retrogenic mice. Nature Protocols, 2006, 1, 406-417.	12.0	230
74	The Use of Retroviral Vectors for Gene Transfer into Hematopoietic Stem Cells. Methods in Enzymology, 2006, 420, 82-100.	1.0	1
75	General Nature of the STAT3-Activated Anti-Inflammatory Response. Journal of Immunology, 2006, 177, 7880-7888.	0.8	197
76	The role of serine/threonine protein phosphatases in exocytosis. Biochemical Journal, 2003, 373, 641-659.	3.7	53
77	Protein Phosphatase Translocation in RBL-2H3 Cells. Methods in Enzymology, 2003, 366, 113-124.	1.0	0
78	Protein Phosphatases 1 and 2A Transiently Associate with Myosin during the Peak Rate of Secretion from Mast Cells. Molecular Biology of the Cell, 2002, 13, 1083-1098.	2.1	30
79	Transient Translocation and Activation of Protein Phosphatase 2A during Mast Cell Secretion. Journal of Biological Chemistry, 2000, 275, 6144-6152.	3.4	46