

Philip L Lorenzi

List of Publications by Year in descending order

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66
papers

8,312
citations

172457

29
h-index

102487

66
g-index

67
all docs

67
docs citations

67
times ranked

19466
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	ElemCor: accurate data analysis and enrichment calculation for high-resolution LC-MS stable isotope labeling experiments. <i>BMC Bioinformatics</i> , 2019, 20, 89.	2.6	402
3	CD38-Mediated Immunosuppression as a Mechanism of Tumor Cell Escape from PD-1/PD-L1 Blockade. <i>Cancer Discovery</i> , 2018, 8, 1156-1175.	9.4	323
4	Molecular Characterization and Clinical Relevance of Metabolic Expression Subtypes in Human Cancers. <i>Cell Reports</i> , 2018, 23, 255-269.e4.	6.4	204
5	Metabolic reprogramming toward oxidative phosphorylation identifies a therapeutic target for mantle cell lymphoma. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	161
6	The glutaminase activity of l-asparaginase is not required for anticancer activity against ASNS-negative cells. <i>Blood</i> , 2014, 123, 3596-3606.	1.4	150
7	Epigenetic Reprogramming of Cancer-Associated Fibroblasts Deregulates Glucose Metabolism and Facilitates Progression of Breast Cancer. <i>Cell Reports</i> , 2020, 31, 107701.	6.4	149
8	ATF4 induction through an atypical integrated stress response to ONC201 triggers p53-independent apoptosis in hematological malignancies. <i>Science Signaling</i> , 2016, 9, ra17.	3.6	147
9	DNA fingerprinting of the NCI-60 cell line panel. <i>Molecular Cancer Therapeutics</i> , 2009, 8, 713-724.	4.1	137
10	A Pan-Cancer Analysis Reveals High-Frequency Genetic Alterations in Mediators of Signaling by the TGF- β Superfamily. <i>Cell Systems</i> , 2018, 7, 422-437.e7.	6.2	134
11	Amino acid metabolism in hematologic malignancies and the era of targeted therapy. <i>Blood</i> , 2019, 134, 1014-1023.	1.4	124
12	EGFR-Phosphorylated Platelet Isoform of Phosphofructokinase 1 Promotes PI3K Activation. <i>Molecular Cell</i> , 2018, 70, 197-210.e7.	9.7	116
13	PTEN Suppresses Glycolysis by Dephosphorylating and Inhibiting Autophosphorylated PFK1. <i>Molecular Cell</i> , 2019, 76, 516-527.e7.	9.7	113
14	Asparagine synthetase as a causal, predictive biomarker for l-asparaginase activity in ovarian cancer cells. <i>Molecular Cancer Therapeutics</i> , 2006, 5, 2613-2623.	4.1	97
15	Measurement of DNA Concentration as a Normalization Strategy for Metabolomic Data from Adherent Cell Lines. <i>Analytical Chemistry</i> , 2013, 85, 9536-9542.	6.5	90
16	Asparagine synthetase is a predictive biomarker of l-asparaginase activity in ovarian cancer cell lines. <i>Molecular Cancer Therapeutics</i> , 2008, 7, 3123-3128.	4.1	88
17	An Artifact in LC-MS/MS Measurement of Glutamine and Glutamic Acid: In-Source Cyclization to Pyroglutamic Acid. <i>Analytical Chemistry</i> , 2014, 86, 5633-5637.	6.5	68
18	Targeting MCL-1 dysregulates cell metabolism and leukemia-stroma interactions and re-sensitizes acute myeloid leukemia to BCL-2 inhibition. <i>Haematologica</i> , 2022, 107, 58-76.	3.5	62

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19	Pancreatic Tumor Sensitivity to Plasma L-Asparagine Starvation. <i>Pancreas</i> , 2012, 41, 940-948.	1.1	58
20	The Glutaminase Inhibitor CB-839 (Telaglenastat) Enhances the Antimelanoma Activity of T-Cell-Mediated Immunotherapies. <i>Molecular Cancer Therapeutics</i> , 2021, 20, 500-511.	4.1	58
21	Choline kinase alpha 2 acts as a protein kinase to promote lipolysis of lipid droplets. <i>Molecular Cell</i> , 2021, 81, 2722-2735.e9.	9.7	57
22	Conversion of PRPS Hexamer to Monomer by AMPK-Mediated Phosphorylation Inhibits Nucleotide Synthesis in Response to Energy Stress. <i>Cancer Discovery</i> , 2018, 8, 94-107.	9.4	53
23	BETP degradation simultaneously targets acute myelogenous leukemic stem cells and the microenvironment. <i>Journal of Clinical Investigation</i> , 2019, 129, 1878-1894.	8.2	51
24	Functional Genomics Reveals Synthetic Lethality between Phosphogluconate Dehydrogenase and Oxidative Phosphorylation. <i>Cell Reports</i> , 2019, 26, 469-482.e5.	6.4	47
25	Copy Number Gain of hsa-miR-569 at 3q26.2 Leads to Loss of TP53INP1 and Aggressiveness of Epithelial Cancers. <i>Cancer Cell</i> , 2014, 26, 863-879.	16.8	46
26	Glutaminase Activity of L-Asparaginase Contributes to Durable Preclinical Activity against Acute Lymphoblastic Leukemia. <i>Molecular Cancer Therapeutics</i> , 2019, 18, 1587-1592.	4.1	46
27	EWS-FLI1 reprograms the metabolism of Ewing sarcoma cells via positive regulation of glutamine import and serine-glycine biosynthesis. <i>Molecular Carcinogenesis</i> , 2018, 57, 1342-1357.	2.7	40
28	Discrepancies in drug sensitivity. <i>Nature</i> , 2013, 504, 381-383.	27.8	39
29	Mechanism of Catalysis by L-Asparaginase. <i>Biochemistry</i> , 2020, 59, 1927-1945.	2.5	36
30	Targeted metabolomic analysis of amino acid response to L-asparaginase in adherent cells. <i>Metabolomics</i> , 2014, 10, 909-919.	3.0	32
31	Fecal Microbiome, Metabolites, and Stem Cell Transplant Outcomes: A Single-Center Pilot Study. <i>Open Forum Infectious Diseases</i> , 2019, 6, ofz173.	0.9	32
32	A curated census of autophagy-modulating proteins and small molecules. <i>Autophagy</i> , 2014, 10, 1316-1326.	9.1	29
33	ATF4 Protects the Heart From Failure by Antagonizing Oxidative Stress. <i>Circulation Research</i> , 2022, 131, 91-105.	4.5	26
34	Catalytic Role of the Substrate Defines Specificity of Therapeutic L-Asparaginase. <i>Journal of Molecular Biology</i> , 2015, 427, 2867-2885.	4.2	25
35	Inhibition of mitochondrial complex I reverses NOTCH1-driven metabolic reprogramming in T-cell acute lymphoblastic leukemia. <i>Nature Communications</i> , 2022, 13, 2801.	12.8	25
36	Amino Acid Ester Prodrugs of 2-Bromo-5,6-dichloro-1-(β -D-ribofuranosyl)benzimidazole Enhance Metabolic Stability in Vitro and in Vivo. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 314, 883-890.	2.5	23

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37	Medium-Chain Acyl-CoA Dehydrogenase Protects Mitochondria from Lipid Peroxidation in Glioblastoma. <i>Cancer Discovery</i> , 2021, 11, 2904-2923.	9.4	23
38	PKM1 Exerts Critical Roles in Cardiac Remodeling Under Pressure Overload in the Heart. <i>Circulation</i> , 2021, 144, 712-727.	1.6	23
39	Lipidomic Profiles of Plasma Exosomes Identify Candidate Biomarkers for Early Detection of Hepatocellular Carcinoma in Patients with Cirrhosis. <i>Cancer Prevention Research</i> , 2021, 14, 955-962.	1.5	22
40	Targeting MYC-enhanced glycolysis for the treatment of small cell lung cancer. <i>Cancer & Metabolism</i> , 2021, 9, 33.	5.0	20
41	Asparagine synthetase: A new potential biomarker in ovarian cancer. <i>Drug News and Perspectives</i> , 2009, 22, 61.	1.5	20
42	Suppression of Membranous LRP5 Recycling, Wnt/ β 2-Catenin Signaling, and Colon Carcinogenesis by 15-LOX-1 Peroxidation of Linoleic Acid in PI3P. <i>Cell Reports</i> , 2020, 32, 108049.	6.4	18
43	SRGN-Triggered Aggressive and Immunosuppressive Phenotype in a Subset of TTF-1“Negative Lung Adenocarcinomas. <i>Journal of the National Cancer Institute</i> , 2022, 114, 290-301.	6.3	18
44	USP21 deubiquitinase elevates macropinocytosis to enable oncogenic KRAS bypass in pancreatic cancer. <i>Genes and Development</i> , 2021, 35, 1327-1332.	5.9	18
45	N-METHYLPURINE DNA GLYCOSYLASE AND 8-OXOGUANINE DNA GLYCOSYLASE METABOLIZE THE ANTIVIRAL NUCLEOSIDE 2-BROMO-5,6-DICHLORO-1-(β -D-RIBOFURANOSYL)BENZIMIDAZOLE. <i>Drug Metabolism and Disposition</i> , 2006, 34, 1070-1077.	3.3	15
46	Vestigial-like 1 is a shared targetable cancer-placenta antigen expressed by pancreatic and basal-like breast cancers. <i>Nature Communications</i> , 2020, 11, 5332.	12.8	15
47	The bacterial microbiota regulates normal hematopoiesis via metabolite-induced type 1 interferon signaling. <i>Blood Advances</i> , 2022, 6, 1754-1765.	5.2	14
48	Enteral Activation of WR-2721 Mediates Radioprotection and Improved Survival from Lethal Fractionated Radiation. <i>Scientific Reports</i> , 2019, 9, 1949.	3.3	13
49	Adipose tissue“specific ablation of <i>Ces1d</i> causes metabolic dysregulation in mice. <i>Life Science Alliance</i> , 2022, 5, e202101209.	2.8	12
50	Assessment of l-Asparaginase Pharmacodynamics in Mouse Models of Cancer. <i>Metabolites</i> , 2019, 9, 10.	2.9	11
51	A murine preclinical syngeneic transplantation model for breast cancer precision medicine. <i>Science Advances</i> , 2017, 3, e1600957.	10.3	10
52	Positional stable isotope tracer analysis reveals carbon routes during ammonia metabolism of <i>Aedes aegypti</i> mosquitoes. <i>FASEB Journal</i> , 2018, 32, 466-477.	0.5	10
53	Combined inhibition of HMGCoA reductase and mitochondrial complex I induces tumor regression of BRAF inhibitor-resistant melanomas. <i>Cancer & Metabolism</i> , 2022, 10, 6.	5.0	8
54	Calcium/calmodulin-dependent protein kinase kinase 2 regulates hepatic fuel metabolism. <i>Molecular Metabolism</i> , 2022, 62, 101513.	6.5	8

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55	Development of a rational strategy for integration of lactate dehydrogenase A suppression into therapeutic algorithms for head and neck cancer. <i>British Journal of Cancer</i> , 2021, 124, 1670-1679.	6.4	7
56	Circulating Fatty Acids Associated with Advanced Liver Fibrosis and Hepatocellular Carcinoma in South Texas Hispanics. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2021, 30, 1643-1651.	2.5	6
57	Regulation of growth, invasion and metabolism of breast ductal carcinoma through CCL2/CCR2 signaling interactions with MET receptor tyrosine kinases. <i>Neoplasia</i> , 2022, 28, 100791.	5.3	6
58	Mass spectrometry-based stable-isotope tracing uncovers metabolic alterations in pyruvate kinase-deficient <i>Aedes aegypti</i> mosquitoes. <i>Insect Biochemistry and Molecular Biology</i> , 2020, 121, 103366.	2.7	5
59	Compound NSC84167 selectively targets NRF2-activated pancreatic cancer by inhibiting asparagine synthesis pathway. <i>Cell Death and Disease</i> , 2021, 12, 693.	6.3	5
60	Mcl-1/CDK9 Targeting By AZD5991/AZD4573 Overcomes Intrinsic and Acquired Venetoclax Resistance in Vitro and In Vivo in PDX Model of AML through Modulation of Cell Death and Metabolic Functions. <i>Blood</i> , 2018, 132, 768-768.	1.4	4
61	Response envelope analysis for quantitative evaluation of drug combinations. <i>Bioinformatics</i> , 2019, 35, 3761-3770.	4.1	3
62	The Glutaminase Activity of L-Asparaginase Mediates Suppression of Asns Upregulation. <i>Blood</i> , 2018, 132, 3959-3959.	1.4	3
63	Red Blood Cell-Encapsulation of L-Asparaginase Favorably Modulates Target Selectivity and Pharmacodynamics. <i>Blood</i> , 2016, 128, 1266-1266.	1.4	2
64	The Glutaminase Activity Of L-Asparaginase Is Not Required For Anticancer Activity Against Asns-Negative Cell Lines. <i>Blood</i> , 2013, 122, 4912-4912.	1.4	1
65	Modulation of autophagy and its potential for cancer therapy. <i>Drugs of the Future</i> , 2011, 36, 919.	0.1	1
66	Contribution of Amino Acid Metabolism to Hematologic Malignancies. <i>Blood</i> , 2018, 132, SCI-10-SCI-10.	1.4	1