Philip L Lorenzi

List of Publications by Year
in descending order

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	SRGN-Triggered Aggressive and Immunosuppressive Phenotype in a Subset of TTF-1â€“Negative Lung Adenocarcinomas. Journal of the National Cancer Institute, 2022, 114, 290-301.	6.3	18
2	Targeting MCL-1 dysregulates cell metabolism and leukemia-stroma interactions and re-sensitizes acute myeloid leukemia to BCL-2 inhibition. Haematologica, 2022, 107, 58-76.	3.5	62
3	The bacterial microbiota regulates normal hematopoiesis via metabolite-induced type 1 interferon signaling. Blood Advances, 2022, 6, 1754-1765.	5.2	14
4	Combined inhibition of HMGCoA reductase and mitochondrial complex I induces tumor regression of BRAF inhibitor-resistant melanomas. Cancer & Metabolism, 2022, 10, 6.	5.0	8
5	Regulation of growth, invasion and metabolism of breast ductal carcinoma through CCL2/CCR2 signaling interactions with MET receptor tyrosine kinases. Neoplasia, 2022, 28, 100791.	5.3	6
6	Adipose tissueâ€“specific ablation of Ces1d causes metabolic dysregulation in mice. Life Science Alliance, 2022, 5, e202101209.	2.8	12
7	Calcium/calmodulin-dependent protein kinase kinase 2 regulates hepatic fuel metabolism. Molecular Metabolism, 2022, 62, 101513.	6.5	8
8	ATF4 Protects the Heart From Failure by Antagonizing Oxidative Stress. Circulation Research, 2022, 131, 91-105.	4.5	26
9	Inhibition of mitochondrial complex I reverses NOTCH1-driven metabolic reprogramming in T-cell acute lymphoblastic leukemia. Nature Communications, 2022, 13, 2801.	12.8	25
10	Development of a rational strategy for integration of lactate dehydrogenase A suppression into therapeutic algorithms for head and neck cancer. British Journal of Cancer, 2021, 124, 1670-1679.	6.4	7
11	Medium-Chain Acyl-CoA Dehydrogenase Protects Mitochondria from Lipid Peroxidation in Glioblastoma. Cancer Discovery, 2021, 11, 2904-2923.	9.4	23
12	Circulating Fatty Acids Associated with Advanced Liver Fibrosis and Hepatocellular Carcinoma in South Texas Hispanics. Cancer Epidemiology Biomarkers and Prevention, 2021, 30, 1643-1651.	2.5	6
13	Lipidomic Profiles of Plasma Exosomes Identify Candidate Biomarkers for Early Detection of Hepatocellular Carcinoma in Patients with Cirrhosis. Cancer Prevention Research, 2021, 14, 955-962.	1.5	22
14	Compound NSC84167 selectively targets NRF2-activated pancreatic cancer by inhibiting asparagine synthesis pathway. Cell Death and Disease, 2021, 12, 693.	6.3	5
15	Choline kinase alpha 2 acts as a protein kinase to promote lipolysis of lipid droplets. Molecular Cell, 2021, 81, 2722-2735.e9.	9.7	57
16	PKM1 Exerts Critical Roles in Cardiac Remodeling Under Pressure Overload in the Heart. Circulation, 2021, 144, 712-727.	1.6	23
17	Targeting MYC-enhanced glycolysis for the treatment of small cell lung cancer. Cancer & Metabolism, 2021, 9, 33.	5.0	20
18	USP21 deubiquitinase elevates macropinocytosis to enable oncogenic KRAS bypass in pancreatic cancer. Genes and Development, 2021, 35, 1327-1332.	5.9	18

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19	The Glutaminase Inhibitor CB-839 (Telaglenastat) Enhances the Antimelanoma Activity of T-Cellâ€“Mediated Immunotherapies. Molecular Cancer Therapeutics, 2021, 20, 500-511.	4.1	58
20	Vestigial-like 1 is a shared targetable cancer-placenta antigen expressed by pancreatic and basal-like breast cancers. Nature Communications, 2020, 11, 5332.	12.8	15
21	Epigenetic Reprogramming of Cancer-Associated Fibroblasts Deregulates Glucose Metabolism and Facilitates Progression of Breast Cancer. Cell Reports, 2020, 31, 107701.	6.4	149
22	Suppression of Membranous LRP5 Recycling, Wnt/Î²-Catenin Signaling, and Colon Carcinogenesis by 15-LOX-1 Peroxidation of Linoleic Acid in PI3P. Cell Reports, 2020, 32, 108049.	6.4	18
23	Mechanism of Catalysis by <scp>l</scp>-Asparaginase. Biochemistry, 2020, 59, 1927-1945.	2.5	36
24	Mass spectrometry-based stable-isotope tracing uncovers metabolic alterations in pyruvate kinase-deficient Aedes aegypti mosquitoes. Insect Biochemistry and Molecular Biology, 2020, 121, 103366.	2.7	5
25	Amino acid metabolism in hematologic malignancies and the era of targeted therapy. Blood, 2019, 134, 1014-1023.	1.4	124
26	PTEN Suppresses Glycolysis by Dephosphorylating and Inhibiting Autophosphorylated PGK1. Molecular Cell, 2019, 76, 516-527.e7.	9.7	113
27	Glutaminase Activity of <scp>L</scp>-Asparaginase Contributes to Durable Preclinical Activity against Acute Lymphoblastic Leukemia. Molecular Cancer Therapeutics, 2019, 18, 1587-1592.	4.1	46
28	Metabolic reprogramming toward oxidative phosphorylation identifies a therapeutic target for mantle cell lymphoma. Science Translational Medicine, 2019, 11, .	12.4	161
29	Fecal Microbiome, Metabolites, and Stem Cell Transplant Outcomes: A Single-Center Pilot Study. Open Forum Infectious Diseases, 2019, 6, ofz173.	0.9	32
30	Response envelope analysis for quantitative evaluation of drug combinations. Bioinformatics, 2019, 35, 3761-3770.	4.1	3
31	ElemCor: accurate data analysis and enrichment calculation for high-resolution LC-MS stable isotope labeling experiments. BMC Bioinformatics, 2019, 20, 89.	2.6	402
32	Enteral Activation of WR-2721 Mediates Radioprotection and Improved Survival from Lethal Fractionated Radiation. Scientific Reports, 2019, 9, 1949.	3.3	13
33	Functional Genomics Reveals Synthetic Lethality between Phosphogluconate Dehydrogenase and Oxidative Phosphorylation. Cell Reports, 2019, 26, 469-482.e5.	6.4	47
34	Assessment of l-Asparaginase Pharmacodynamics in Mouse Models of Cancer. Metabolites, 2019, 9, 10.	2.9	11
35	BETP degradation simultaneously targets acute myelogenous leukemic stem cells and the microenvironment. Journal of Clinical Investigation, 2019, 129, 1878-1894.	8.2	51
36	EGFR-Phosphorylated Platelet Isoform of Phosphofructokinase 1 Promotes PI3K Activation. Molecular Cell, 2018, 70, 197-210.e7.	9.7	116

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37	Molecular Characterization and Clinical Relevance of Metabolic Expression Subtypes in Human Cancers. Cell Reports, 2018, 23, 255-269.e4.	6.4	204
38	Conversion of PRPS Hexamer to Monomer by AMPK-Mediated Phosphorylation Inhibits Nucleotide Synthesis in Response to Energy Stress. Cancer Discovery, 2018, 8, 94-107.	9.4	53
39	Positional stable isotope tracer analysis reveals carbon routes during ammonia metabolism of Aedes aegypti mosquitoes. FASEB Journal, 2018, 32, 466-477.	0.5	10
40	A Pan-Cancer Analysis Reveals High-Frequency Genetic Alterations in Mediators of Signaling by the TGF-Î² Superfamily. Cell Systems, 2018, 7, 422-437.e7.	6.2	134
41	CD38-Mediated Immunosuppression as a Mechanism of Tumor Cell Escape from PD-1/PD-L1 Blockade. Cancer Discovery, 2018, 8, 1156-1175.	9.4	323
42	EWSâ€FLI1 reprograms the metabolism of Ewing sarcoma cells via positive regulation of glutamine import and serineâ€glycine biosynthesis. Molecular Carcinogenesis, 2018, 57, 1342-1357.	2.7	40
43	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. Blood, 2018, 132, 768-768.	1.4	4
44	The Glutaminase Activity of L-Asparaginase Mediates Suppression of Asns Upregulation. Blood, 2018, 132, 3959-3959.	1.4	3
45	Contribution of Amino Acid Metabolism to Hematologic Malignancies. Blood, 2018, 132, SCI-10-SCI-10.	1.4	1
46	A murine preclinical syngeneic transplantation model for breast cancer precision medicine. Science Advances, 2017, 3, e1600957.	10.3	10
47	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
48	ATF4 induction through an atypical integrated stress response to ONC201 triggers p53-independent apoptosis in hematological malignancies. Science Signaling, 2016, 9, ra17.	3.6	147
49	Red Blood Cell-Encapsulation of L-Asparaginase Favorably Modulates Target Selectivity and Pharmacodynamics. Blood, 2016, 128, 1266-1266.	1.4	2
50	Catalytic Role of the Substrate Defines Specificity of Therapeutic l-Asparaginase. Journal of Molecular Biology, 2015, 427, 2867-2885.	4.2	25
51	A curated census of autophagy-modulating proteins and small molecules. Autophagy, 2014, 10, 1316-1326.	9.1	29
52	Copy Number Gain of hsa-miR-569 at 3q26.2 Leads to Loss of TP53INP1 and Aggressiveness of Epithelial Cancers. Cancer Cell, 2014, 26, 863-879.	16.8	46
53	Targeted metabolomic analysis of amino acid response to L-asparaginase in adherent cells. Metabolomics, 2014, 10, 909-919.	3.0	32
54	The glutaminase activity of l-asparaginase is not required for anticancer activity against ASNS-negative cells. Blood, 2014, 123, 3596-3606.	1.4	150

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55	An Artifact in LC-MS/MS Measurement of Glutamine and Glutamic Acid: In-Source Cyclization to Pyroglutamic Acid. Analytical Chemistry, 2014, 86, 5633-5637.	6.5	68
56	Measurement of DNA Concentration as a Normalization Strategy for Metabolomic Data from Adherent Cell Lines. Analytical Chemistry, 2013, 85, 9536-9542.	6.5	90
57	Discrepancies in drug sensitivity. Nature, 2013, 504, 381-383.	27.8	39
58	The Glutaminase Activity Of L-Asparaginase Is Not Required For Anticancer Activity Against Asns-Negative Cell Lines. Blood, 2013, 122, 4912-4912.	1.4	1
59	Pancreatic Tumor Sensitivity to Plasma L-Asparagine Starvation. Pancreas, 2012, 41, 940-948.	1.1	58
60	Modulation of autophagy and its potential for cancer therapy. Drugs of the Future, 2011, 36, 919.	0.1	1
61	DNA fingerprinting of the NCI-60 cell line panel. Molecular Cancer Therapeutics, 2009, 8, 713-724.	4.1	137
62	Asparagine synthetase: A new potential biomarker in ovarian cancer. Drug News and Perspectives, 2009, 22, 61.	1.5	20
63	Asparagine synthetase is a predictive biomarker of<scp>l</scp>-asparaginase activity in ovarian cancer cell lines. Molecular Cancer Therapeutics, 2008, 7, 3123-3128.	4.1	88
64	N-METHYLPURINE DNA GLYCOSYLASE AND 8-OXOGUANINE DNA GLYCOSYLASE METABOLIZE THE ANTIVIRAL NUCLEOSIDE 2-BROMO-5,6-DICHLORO-1-(Î²-D-RIBOFURANOSYL)BENZIMIDAZOLE. Drug Metabolism and Disposition, 2006, 34, 1070-1077.	3.3	15
65	Asparagine synthetase as a causal, predictive biomarker for l-asparaginase activity in ovarian cancer cells. Molecular Cancer Therapeutics, 2006, 5, 2613-2623.	4.1	97
66	Amino Acid Ester Prodrugs of 2-Bromo-5,6-dichloro-1-(Î²-d-ribofuranosyl)benzimidazole Enhance Metabolic Stability in Vitro and in Vivo. Journal of Pharmacology and Experimental Therapeutics, 2005, 314, 883-890.	2.5	23