Daina Avizonis

List of Publications by Year
in descending order

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36 papers	3,010 citations	304743 22 h-index	361022 35 g-index
39 all docs	39 docs citations	39 times ranked	6607 citing authors

#	Article	IF	Citations
1	Sarm1 activation produces cADPR to increase intra-axonal Ca++ and promote axon degeneration in PIPN. Journal of Cell Biology, 2022, 221, .	5.2	44
2	Mitochondrial complex IV defects induce metabolic and signaling perturbations that expose potential vulnerabilities in HCT116 cells. FEBS Open Bio, 2022, 12, 959-982.	2.3	2
3	Reprogramming of Nucleotide Metabolism Mediates Synergy between Epigenetic Therapy and MAP Kinase Inhibition. Molecular Cancer Therapeutics, 2021, 20, 64-75.	4.1	5
4	STAT1 potentiates oxidative stress revealing a targetable vulnerability that increases phenformin efficacy in breast cancer. Nature Communications, 2021, 12, 3299.	12.8	24
5	Glucose metabolism and pyruvate carboxylase enhance glutathione synthesis and restrict oxidative stress in pancreatic islets. Cell Reports, 2021, 37, 110037.	6.4	21
6	Genome-Wide Screens Reveal that Resveratrol Induces Replicative Stress in Human Cells. Molecular Cell, 2020, 79, 846-856.e8.	9.7	18
7	Glucose-dependent partitioning of arginine to the urea cycle protects Î²-cells from inflammation. Nature Metabolism, 2020, 2, 432-446.	11.9	27
8	Methotrexate elicits pro-respiratory and anti-growth effects by promoting AMPK signaling. Scientific Reports, 2020, 10, 7838.	3.3	10
9	Repression of LKB1 by miR-17â^¼92 Sensitizes MYC-Dependent Lymphoma to Biguanide Treatment. Cell Reports Medicine, 2020, 1, 100014.	6.5	16
10	eIF4A supports an oncogenic translation program in pancreatic ductal adenocarcinoma. Nature Communications, 2019, 10, 5151.	12.8	64
11	Translational and HIF-1Î±-Dependent Metabolic Reprogramming Underpin Metabolic Plasticity and Responses to Kinase Inhibitors and Biguanides. Cell Metabolism, 2018, 28, 817-832.e8.	16.2	61
12	Interplay between ShcA Signaling and PGC-1Î± Triggers Targetable Metabolic Vulnerabilities in Breast Cancer. Cancer Research, 2018, 78, 4826-4838.	0.9	10
13	Leveraging increased cytoplasmic nucleoside kinase activity to target mtDNA and oxidative phosphorylation in AML. Blood, 2017, 129, 2657-2666.	1.4	61
14	Metabolomics Analyses of Cancer Cells in Controlled Microenvironments. Methods in Molecular Biology, 2016, 1458, 273-290.	0.9	14
15	High Sensitivity of an Ha-RAS Transgenic Model of Superficial Bladder Cancer to Metformin Is Associated with â^¼240-Fold Higher Drug Concentration in Urine than Serum. Molecular Cancer Therapeutics, 2016, 15, 430-438.	4.1	16
16	Deletion of the gene encoding G0/G1 switch protein 2 (G0s2) alleviates high-fat-diet-induced weight gain and insulin resistance, and promotes browning of white adipose tissue in mice. Diabetologia, 2015, 58, 149-157.	6.3	38
17	Mitochondrial Phosphoenolpyruvate Carboxykinase Regulates Metabolic Adaptation and Enables Glucose-Independent Tumor Growth. Molecular Cell, 2015, 60, 195-207.	9.7	200
18	Stable Isotope Tracer Analysis in Isolated Mitochondria from Mammalian Systems. Metabolites, 2014, 4, 166-183.	2.9	33

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19	Loss of the tumor suppressor LKB1 promotes metabolic reprogramming of cancer cells via HIF-1Î±. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 2554-2559.	7.1	212
20	Oxidative metabolism enables Salmonella evasion of the NLRP3 inflammasome. Journal of Experimental Medicine, 2014, 211, 653-668.	8.5	92
21	Synergy between the NAMPT Inhibitor GMX1777(8) and Pemetrexed in Nonâ€“Small Cell Lung Cancer Cells Is Mediated by PARP Activation and Enhanced NAD Consumption. Cancer Research, 2014, 74, 5948-5954.	0.9	37
22	mTORC1 Controls Mitochondrial Activity and Biogenesis through 4E-BP-Dependent Translational Regulation. Cell Metabolism, 2013, 18, 698-711.	16.2	647
23	LKB1 is a central regulator of tumor initiation and pro-growth metabolism in ErbB2-mediated breast cancer. Cancer & Metabolism, 2013, 1, 18.	5.0	44
24	PGC-1Î± supports glutamine metabolism in breast cancer. Cancer & Metabolism, 2013, 1, 22.	5.0	130
25	AMPK Is a Negative Regulator of the Warburg Effect and Suppresses Tumor Growth InÂVivo. Cell Metabolism, 2013, 17, 113-124.	16.2	754
26	The complete targeted profile of the organic acid intermediates of the citric acid cycle using a single stable isotope dilution analysis, sodium borodeuteride reduction and selected ion monitoring GC/MS. Metabolomics, 2013, 9, 1019-1030.	3.0	44
27	PGC-1Î± Promotes the Growth of ErbB2/Neuâ€“Induced Mammary Tumors by Regulating Nutrient Supply. Cancer Research, 2012, 72, 1538-1546.	0.9	45
28	Alterations in Cellular Energy Metabolism Associated with the Antiproliferative Effects of the ATM Inhibitor KU-55933 and with Metformin. PLoS ONE, 2012, 7, e49513.	2.5	29
29	Electronic Referencing Techniques for Quantitative NMR: Pitfalls and How To Avoid Them Using Amplitude-Corrected Referencing through Signal Injection. Analytical Chemistry, 2008, 80, 8320-8323.	6.5	28
30	Improving NMR sensitivity by use of salt-tolerant cryogenically cooled probes. Analytical and Bioanalytical Chemistry, 2007, 387, 529-532.	3.7	29
31	The Internet for Nuclear Magnetic Resonance Spectroscopists. Methods in Enzymology, 2002, 338, 247-259e.	1.0	2
32	Chromatin, TAFs, and a novel multiprotein coactivator are required for synergistic activation by Sp1 and SREBP-1a in vitro. Genes and Development, 1998, 12, 3020-3031.	5.9	184
33	Conformations and Dynamics of the Essential Cysteinyl-Cysteine Ring Derived from the Acetylcholine Receptorâ€,â€¡. Journal of the American Chemical Society, 1996, 118, 13031-13039.	13.7	18
34	Structural characterization of d(CAACCCGTTG) and d(CAACGGGTTG) mini-hairpin loops by heteronuclear NMR: the effects of purines versus pyrimidines in DNA hairpins. Nucleic Acids Research, 1995, 23, 1260-1268.	14.5	19
35	Solid phase synthesis of 5-hydroxymethyluracil containing DNA. Bioorganic and Medicinal Chemistry Letters, 1992, 2, 79-82.	2.2	29
36	Translational and HIF11-Dependent Metabolic Reprograming Underpin Oncometabolome Plasticity and Synergy Between Oncogenic Kinase Inhibitors and Biguanides. SSRN Electronic Journal, 0, , .	0.4	1