Zachary T Schug

List of Publications by Year
in descending order

34 papers	3,692 citations	304602 22 h-index	377752 34 g-index
36 all docs	36 docs citations	36 times ranked	5793 citing authors

#	Article	IF	Citations
1	Acetyl-CoA Synthetase 2 Promotes Acetate Utilization and Maintains Cancer Cell Growth under Metabolic Stress. Cancer Cell, 2015, 27, 57-71.	7.7	596
2	Targeting cancer metabolism in the era of precision oncology. Nature Reviews Drug Discovery, 2022, 21, 141-162.	21.5	385
3	Dietary fructose feeds hepatic lipogenesis via microbiota-derived acetate. Nature, 2020, 579, 586-591.	13.7	314
4	Cardiolipin provides an essential activating platform for caspase-8 on mitochondria. Journal of Cell Biology, 2008, 183, 681-696.	2.3	258
5	NAD+ metabolism governs the proinflammatory senescence-associated secretome. Nature Cell Biology, 2019, 21, 397-407.	4.6	232
6	The metabolic fate of acetate in cancer. Nature Reviews Cancer, 2016, 16, 708-717.	12.8	229
7	Cardiolipin acts as a mitochondrial signalling platform to launch apoptosis. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 2022-2031.	1.4	222
8	Acetate Recapturing by Nuclear Acetyl-CoA Synthetase 2 Prevents Loss of Histone Acetylation during Oxygen and Serum Limitation. Cell Reports, 2017, 18, 647-658.	2.9	202
9	Inhibition of fatty acid desaturation is detrimental to cancer cell survival in metabolically compromised environments. Cancer & Metabolism, 2016, 4, 6.	2.4	186
10	Cancer metabolism at a glance. Journal of Cell Science, 2016, 129, 3367-3373.	1.2	176
11	Unique pattern of neutrophil migration and function during tumor progression. Nature Immunology, 2018, 19, 1236-1247.	7.0	140
12	Polyunsaturated Fatty Acids from Astrocytes Activate PPARÎ³ Signaling in Cancer Cells to Promote Brain Metastasis. Cancer Discovery, 2019, 9, 1720-1735.	7.7	97
13	Proteomics-Based Metabolic Modeling Reveals That Fatty Acid Oxidation (FAO) Controls Endothelial Cell (EC) Permeability. Molecular and Cellular Proteomics, 2015, 14, 621-634.	2.5	85
14	Changes in Aged Fibroblast Lipid Metabolism Induce Age-Dependent Melanoma Cell Resistance to Targeted Therapy via the Fatty Acid Transporter FATP2. Cancer Discovery, 2020, 10, 1282-1295.	7.7	75
15	The Role of the S4-S5 Linker and C-terminal Tail in Inositol 1,4,5-Trisphosphate Receptor Function. Journal of Biological Chemistry, 2006, 281, 24431-24440.	1.6	71
16	MYC regulates fatty acid metabolism through a multigenic program in claudin-low triple negative breast cancer. British Journal of Cancer, 2020, 122, 868-884.	2.9	57
17	Molecular Characterization of the Inositol 1,4,5-Trisphosphate Receptor Pore-forming Segment. Journal of Biological Chemistry, 2008, 283, 2939-2948.	1.6	49
18	Targeting ACSS2 with a Transition-State Mimetic Inhibits Triple-Negative Breast Cancer Growth. Cancer Research, 2021, 81, 1252-1264.	0.4	44

#	Article	IF	Citations
19	The music of lipids: How lipid composition orchestrates cellular behaviour. Acta OncolÃ³gica, 2012, 51, 301-310.	0.8	41
20	The novel choline kinase inhibitor ICL-CCIC-0019 reprograms cellular metabolism and inhibits cancer cell growth. Oncotarget, 2016, 7, 37103-37120.	0.8	32
21	BAP1 mutant uveal melanoma is stratified by metabolic phenotypes with distinct vulnerability to metabolic inhibitors. Oncogene, 2021, 40, 618-632.	2.6	28
22	The Primary Effect on the Proteome of ARID1A-mutated Ovarian Clear Cell Carcinoma is Downregulation of the Mevalonate Pathway at the Post-transcriptional Level. Molecular and Cellular Proteomics, 2016, 15, 3348-3360.	2.5	23
23	Role of Inositol 1,4,5-Trisphosphate Receptors in Apoptosis in DT40 Lymphocytes. Journal of Biological Chemistry, 2007, 282, 32983-32990.	1.6	22
24	Preclinical Evaluation of 3-¹⁸F-Fluoro-2,2-Dimethylpropionic Acid as an Imaging Agent for Tumor Detection. Journal of Nuclear Medicine, 2014, 55, 1506-1512.	2.8	22
25	3D Growth of Cancer Cells Elicits Sensitivity to Kinase Inhibitors but Not Lipid Metabolism Modifiers. Molecular Cancer Therapeutics, 2019, 18, 376-388.	1.9	17
26	The Nurture of Tumors Can Drive Their Metabolic Phenotype. Cell Metabolism, 2016, 23, 391-392.	7.2	15
27	Calcium-dependent Conformational Changes in Inositol Trisphosphate Receptors. Journal of Biological Chemistry, 2010, 285, 25085-25093.	1.6	13
28	Racial disparities in triple negative breast cancer: toward a causal architecture approach. Breast Cancer Research, 2022, 24, .	2.2	12
29	Metabolic Alterations and Therapeutic Opportunities in Rare Forms of Melanoma. Trends in Cancer, 2021, 7, 671-681.	3.8	11
30	Metabolic adaptation to the chronic loss of Ca2+ signaling induced by KO of IP3 receptors or the mitochondrial Ca2+Âuniporter. Journal of Biological Chemistry, 2022, 298, 101436.	1.6	11
31	A Population Health Assessment in a Community Cancer Center Catchment Area: Triple-Negative Breast Cancer, Alcohol Use, and Obesity in New Castle County, Delaware. Cancer Epidemiology Biomarkers and Prevention, 2022, 31, 108-116.	1.1	8
32	Formaldehyde Detoxification Creates a New Wheel for the Folate-Driven One-Carbon â€œBiâ€•cycle. Biochemistry, 2018, 57, 889-890.	1.2	6
33	Targeting acetate metabolism: Achillesâ€™ nightmare. British Journal of Cancer, 2021, 124, 1900-1901.	2.9	6
34	Pyruvate dehydrogenase inactivation causes glycolytic phenotype in BAP1 mutant uveal melanoma. Oncogene, 2022, , .	2.6	6