Elizaveta Freinkman

List of Publications by Year
in descending order

29 papers	6,636 citations	218662 26 h-index	434170 31 g-index
31 all docs	31 docs citations	31 times ranked	11495 citing authors

#	Article	IF	Citations
1	Targeting tumor phenotypic plasticity and metabolic remodeling in adaptive cross-drug tolerance. Science Signaling, 2019, 12, .	3.6	52
2	6-Phosphogluconate Dehydrogenase Links Cytosolic Carbohydrate Metabolism to Protein Secretion via Modulation of Glutathione Levels. Cell Chemical Biology, 2019, 26, 1306-1314.e5.	5.2	22
3	Reactive metabolite production is a targetable liability of glycolytic metabolism in lung cancer. Nature Communications, 2019, 10, 5604.	12.8	45
4	Ablation of insulin receptor substrates 1 and 2 suppresses Kras -driven lung tumorigenesis. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4228-4233.	7.1	22
5	Fasting Activates Fatty Acid Oxidation to Enhance Intestinal Stem Cell Function during Homeostasis and Aging. Cell Stem Cell, 2018, 22, 769-778.e4.	11.1	266
6	Histidine catabolism is a major determinant of methotrexate sensitivity. Nature, 2018, 559, 632-636.	27.8	238
7	JAK2/IDH-mutantâ€“driven myeloproliferative neoplasm is sensitive to combined targeted inhibition. Journal of Clinical Investigation, 2018, 128, 789-804.	8.2	66
8	Extracellular RNAs Are Associated With Insulin Resistance and Metabolic Phenotypes. Diabetes Care, 2017, 40, 546-553.	8.6	73
9	PIK3CA mutant tumors depend on oxoglutarate dehydrogenase. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E3434-E3443.	7.1	38
10	Physiologic Medium Rewires Cellular Metabolism and Reveals Uric Acid as an Endogenous Inhibitor of UMP Synthase. Cell, 2017, 169, 258-272.e17.	28.9	393
11	Lysosomal metabolomics reveals V-ATPase- and mTOR-dependent regulation of amino acid efflux from lysosomes. Science, 2017, 358, 807-813.	12.6	450
12	Rapid immunopurification of mitochondria for metabolite profiling and absolute quantification of matrix metabolites. Nature Protocols, 2017, 12, 2215-2231.	12.0	83
13	mTORC1 Activator SLC38A9 Is Required to Efflux Essential Amino Acids from Lysosomes and Use Protein as a Nutrient. Cell, 2017, 171, 642-654.e12.	28.9	340
14	Critical role for arginase 2 in obesity-associated pancreatic cancer. Nature Communications, 2017, 8, 242.	12.8	67
15	A PHGDH inhibitor reveals coordination of serine synthesis and one-carbon unit fate. Nature Chemical Biology, 2016, 12, 452-458.	8.0	389
16	Tissue of origin dictates branched-chain amino acid metabolism in mutant Kras -driven cancers. Science, 2016, 353, 1161-1165.	12.6	447
17	Absolute Quantification of Matrix Metabolites Reveals the Dynamics of Mitochondrial Metabolism. Cell, 2016, 166, 1324-1337.e11.	28.9	367
18	mTORC1 is Required for Brown Adipose Tissue Recruitment and Metabolic Adaptation to Cold. Scientific Reports, 2016, 6, 37223.	3.3	64

#	Article	IF	Citations
19	Environment Dictates Dependence on Mitochondrial Complex I for NAD+ and Aspartate Production and Determines Cancer Cell Sensitivity to Metformin. Cell Metabolism, 2016, 24, 716-727.	16.2	269
20	Metabolic Reprogramming of Pancreatic Cancer Mediated by CDK4/6 Inhibition Elicits Unique Vulnerabilities. Cell Reports, 2016, 14, 979-990.	6.4	160
21	Unique metabolic features of pancreatic cancer stroma: relevance to the tumor compartment, prognosis, and invasive potential. Oncotarget, 2016, 7, 78396-78411.	1.8	45
22	An Essential Role of the Mitochondrial Electron Transport Chain in Cell Proliferation Is to Enable Aspartate Synthesis. Cell, 2015, 162, 540-551.	28.9	1,024
23	Supporting Aspartate Biosynthesis Is an Essential Function of Respiration in Proliferating Cells. Cell, 2015, 162, 552-563.	28.9	878
24	SHMT2 drives glioma cell survival in ischaemia but imposes a dependence on glycine clearance. Nature, 2015, 520, 363-367.	27.8	303
25	Disruption of Sphingolipid Biosynthesis Blocks Phagocytosis of Candida albicans. PLoS Pathogens, 2015, 11, e1005188.	4.7	55
26	Cytoplasmic ATP Hydrolysis Powers Transport of Lipopolysaccharide Across the Periplasm in E. coli. Science, 2012, 338, 1214-1217.	12.6	169
27	Regulated Assembly of the Transenvelope Protein Complex Required for Lipopolysaccharide Export. Biochemistry, 2012, 51, 4800-4806.	2.5	118
28	The complex that inserts lipopolysaccharide into the bacterial outer membrane forms a two-protein plug-and-barrel. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 2486-2491.	7.1	157
29	Bionectriol A, a polyketide glycoside from the fungus Bionectria sp. associated with the fungus-growing ant, Apterostigma dentigerum. Tetrahedron Letters, 2009, 50, 6834-6837.	1.4	25