

# Kit-Yi Leung

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

753  
citations

623734

14  
h-index

940533

16  
g-index

16  
all docs

16  
docs citations

16  
times ranked

1067  
citing authors

#	ARTICLE	IF	CITATIONS
1	High folic acid consumption leads to pseudo-MTHFR deficiency, altered lipid metabolism, and liver injury in mice. <i>American Journal of Clinical Nutrition</i> , 2015, 101, 646-658.	4.7	120
2	Glycine decarboxylase deficiency causes neural tube defects and features of non-ketotic hyperglycinemia in mice. <i>Nature Communications</i> , 2015, 6, 6388.	12.8	116
3	Mutations in genes encoding the glycine cleavage system predispose to neural tube defects in mice and humans. <i>Human Molecular Genetics</i> , 2012, 21, 1496-1503.	2.9	100
4	Partitioning of One-Carbon Units in Folate and Methionine Metabolism Is Essential for Neural Tube Closure. <i>Cell Reports</i> , 2017, 21, 1795-1808.	6.4	69
5	High dietary folate in pregnant mice leads to pseudo-MTHFR deficiency and altered methyl metabolism, with embryonic growth delay and short-term memory impairment in offspring. <i>Human Molecular Genetics</i> , 2017, 26, ddx004.	2.9	61
6	Inositol, neural tube closure and the prevention of neural tube defects. <i>Birth Defects Research</i> , 2017, 109, 68-80.	1.5	58
7	Deficient or Excess Folic Acid Supply During Pregnancy Alter Cortical Neurodevelopment in Mouse Offspring. <i>Cerebral Cortex</i> , 2021, 31, 635-649.	2.9	44
8	Both the folate cycle and betaineâ€homocysteine methyltransferase contribute methyl groups for DNA methylation in mouse blastocysts. <i>FASEB Journal</i> , 2015, 29, 1069-1079.	0.5	33
9	Folate metabolite profiling of different cell types and embryos suggests variation in folate one-carbon metabolism, including developmental changes in human embryonic brain. <i>Molecular and Cellular Biochemistry</i> , 2013, 378, 229-236.	3.1	28
10	Dolutegravir in pregnant mice is associated with increased rates of fetal defects at therapeutic but not at supratherapeutic levels. <i>EBioMedicine</i> , 2021, 63, 103167.	6.1	25
11	Formate supplementation enhances folate-dependent nucleotide biosynthesis and prevents spina bifida in a mouse model of folic acid-resistant neural tube defects. <i>Biochimie</i> , 2016, 126, 63-70.	2.6	23
12	Cellular mechanisms underlying Pax3-related neural tube defects and their prevention by folic acid. <i>DMM Disease Models and Mechanisms</i> , 2019, 12, .	2.4	21
13	Regulation of glycine metabolism by the glycine cleavage system and conjugation pathway in mouse models of <sc>nonâ€ketotic</sc> hyperglycinemia. <i>Journal of Inherited Metabolic Disease</i> , 2020, 43, 1186-1198.	3.6	17
14	Impaired folate 1-carbon metabolism causes formate-preventable hydrocephalus in glycine decarboxylaseâ€deficient mice. <i>Journal of Clinical Investigation</i> , 2020, 130, 1446-1452.	8.2	16
15	Glycine Cleavage System H Protein Is Essential for Embryonic Viability, Implying Additional Function Beyond the Glycine Cleavage System. <i>Frontiers in Genetics</i> , 2021, 12, 625120.	2.3	12
16	Glycine decarboxylase deficiencyâ€induced motor dysfunction in zebrafish is rescued by counterbalancing glycine synaptic level. <i>JCI Insight</i> , 2018, 3, .	5.0	10