Melanie B Gillingham

List of Publications by Citations

47 papers	976 citations	18 h-index	31 g-index
49 ext. papers	1,142 ext. citations	3.2 avg, IF	3.75 L-index

#	Paper	IF	Citations
47	Current issues regarding treatment of mitochondrial fatty acid oxidation disorders. *Journal of Inherited Metabolic Disease*, **2010**, 33, 555-61	5.4	85
46	Beneficial and cautionary outcomes of resveratrol supplementation in pregnant nonhuman primates. *FASEB Journal*, **2014**, 28, 2466-77	0.9	84
45	Maternal high fat diet is associated with decreased plasma n-3 fatty acids and fetal hepatic apoptosis in nonhuman primates. *PLoS ONE*, **2011**, 6, e17261	3.7	80
44	Optimal dietary therapy of long-chain 3-hydroxyacyl-CoA dehydrogenase deficiency. *Molecular Genetics and Metabolism*, **2003**, 79, 114-23	3.7	69
43	Metabolic control during exercise with and without medium-chain triglycerides (MCT) in children with long-chain 3-hydroxy acyl-CoA dehydrogenase (LCHAD) or trifunctional protein (TFP) deficiency. *Molecular Genetics and Metabolism*, **2006**, 89, 58-63	3.7	62
42	Dietary management of long-chain 3-hydroxyacyl-CoA dehydrogenase deficiency (LCHADD). A case report and survey. *Journal of Inherited Metabolic Disease*, **1999**, 22, 123-31	5.4	61
41	Triheptanoin versus trioctanoin for long-chain fatty acid oxidation disorders: a double blinded, randomized controlled trial. *Journal of Inherited Metabolic Disease*, **2017**, 40, 831-843	5.4	57
40	Effect of optimal dietary therapy upon visual function in children with long-chain 3-hydroxyacyl CoA dehydrogenase and trifunctional protein deficiency. *Molecular Genetics and Metabolism*, **2005**, 86, 124-33	3.7	56
39	Observations regarding retinopathy in mitochondrial trifunctional protein deficiencies. *Molecular Genetics and Metabolism*, **2012**, 106, 18-24	3.7	45
38	Substrate oxidation and cardiac performance during exercise in disorders of long chain fatty acid oxidation. *Molecular Genetics and Metabolism*, **2012**, 105, 110-5	3.7	40
37	Effects of higher dietary protein intake on energy balance and metabolic control in children with long-chain 3-hydroxy acyl-CoA dehydrogenase (LCHAD) or trifunctional protein (TFP) deficiency. *Molecular Genetics and Metabolism*, **2007**, 90, 64-9	3.7	31
36	Evidence for an association between infant mortality and a carnitine palmitoyltransferase 1A genetic variant. *Pediatrics*, **2010**, 126, 945-51	7.4	28
35	Prevalence and distribution of the c.1436C-T sequence variant of carnitine palmitoyltransferase 1A among Alaska Native infants. *Journal of Pediatrics*, **2011**, 158, 124-9	3.6	27
34	Effect of Aerobic and Resistance Exercise on Glycemic Control in Adults With Type 1 Diabetes. *Canadian Journal of Diabetes*, **2019**, 43, 406-414.e1	2.1	27
33	Increased vitamin E intake is associated with higher alpha-tocopherol concentration in the maternal circulation but higher alpha-carboxyethyl hydroxychroman concentration in the fetal circulation. *American Journal of Clinical Nutrition*, **2011**, 93, 368-73	7	26
32	Influence of high fat diet and resveratrol supplementation on placental fatty acid uptake in the Japanese macaque. *Placenta*, **2015**, 36, 903-10	3.4	24
31	Impaired fasting tolerance among Alaska native children with a common carnitine palmitoyltransferase 1A sequence variant. *Molecular Genetics and Metabolism*, **2011**, 104, 261-4	3.7	24

30	Association of a genetic variant of carnitine palmitoyltransferase 1A with infections in Alaska Native children. *Journal of Pediatrics*, **2013**, 163, 1716-21	3.6	21
29	Altered body composition and energy expenditure but normal glucose tolerance among humans with a long-chain fatty acid oxidation disorder. *American Journal of Physiology - Endocrinology and Metabolism*, **2013**, 305, E1299-308	6	16
28	NORMAL FATTY ACID CONCENTRATIONS IN YOUNG CHILDREN WITH PHENYLKETONURIA (PKU). *Topics in Clinical Nutrition*, **2009**, 24, 333-340	0.4	16
27	Unique plasma metabolomic signatures of individuals with inherited disorders of long-chain fatty acid oxidation. *Journal of Inherited Metabolic Disease*, **2016**, 39, 399-408	5.4	13
26	Characterization of Chorioretinopathy Associated with Mitochondrial Trifunctional Protein Disorders: Long-Term Follow-up of 21 Cases. *Ophthalmology*, **2016**, 123, 2183-95	7.3	13
25	Maternal Weight Gain Regulates Omega-3 Fatty Acids in Male, Not Female, Neonates. *Reproductive Sciences*, **2017**, 24, 560-567	3	9
24	EFFECT OF FEEDING, EXERCISE AND GENOTYPE ON PLASMA 3-HYDROXYACYLCARNITINES IN CHILDREN WITH LCHAD DEFICIENCY. *Topics in Clinical Nutrition*, **2009**, 24, 359-365	0.4	9
23	Blood cytokine patterns suggest a modest inflammation phenotype in subjects with long-chain fatty acid oxidation disorders. *Physiological Reports*, **2019**, 7, e14037	2.6	8
22	Normal vitamin D levels and bone mineral density among children with inborn errors of metabolism consuming medical food-based diets. *Nutrition Research*, **2016**, 36, 101-8	4	7
21	Metabolism and energy requirements in pantothenate kinase-associated neurodegeneration. *Molecular Genetics and Metabolism*, **2013**, 110, 336-41	3.7	7
20	Higher dietary protein intake preserves lean body mass, lowers liver lipid deposition, and maintains metabolic control in participants with long-chain fatty acid oxidation disorders. *Journal of Inherited Metabolic Disease*, **2019**, 42, 857-869	5.4	5
19	More Time in Glucose Range During Exercise Days than Sedentary Days in Adults Living with Type 1 Diabetes. *Diabetes Technology and Therapeutics*, **2021**, 23, 376-383	8.1	5
18	Neonatal fatty acid profiles are correlated with infant growth measures at 6 months. *Journal of Developmental Origins of Health and Disease*, **2017**, 8, 474-482	2.4	4
17	Nutrient intake, body composition, and blood phenylalanine control in children with phenylketonuria compared to healthy controls. *Molecular Genetics and Metabolism Reports*, **2020**, 23, 100599	1.8	4
16	Use of propofol for short duration procedures in children with long chain 3-hydroxyacyl-CoA dehydrogenase (LCHAD) or trifunctional protein (TFP) deficiencies. *Molecular Genetics and Metabolism*, **2014**, 112, 139-42	3.7	3
15	Change in postprandial substrate oxidation after a high-fructose meal is related to body mass index in healthy men. *Nutrition Research*, **2013**, 33, 435-41	4	3
14	A Ketogenic & Low-Protein Diet Slows Retinal Degeneration in rd10 Mice. *Translational Vision Science and Technology*, **2020**, 9, 18	3.3	2
13	Cardiac tissue citric acid cycle intermediates in exercised very long-chain acyl-CoA dehydrogenase-deficient mice fed triheptanoin or medium-chain triglyceride. *Journal of Inherited Metabolic Disease*, **2020**, 43, 1232-1242	5.4	1

12	Inborn errors of fatty acid oxidation587-602		1
11	Effects of fasting, feeding and exercise on plasma acylcarnitines among subjects with CPT2D, VLCADD and LCHADD/TFPD. *Molecular Genetics and Metabolism*, **2020**, 131, 90-97	3.7	1
10	Maternal dietary fat intake during pregnancy and newborn body composition. *Journal of Perinatology*, **2021**, 41, 1007-1013	3.1	1
9	Response to Letter to the editor. *Journal of Inherited Metabolic Disease*, **2019**, 42, 396-397	5.4	
8	Comparison of Blood Glucose Monitoring Systems for Use in Insulin Clamp Studies During Either Intralipid or Glycerol Co-infusions. *Journal of Diabetes Science and Technology*, **2018**, 12, 232-233	4.1	
7	Reply: To PMID 23992672. *Journal of Pediatrics*, **2014**, 165, 420-2	3.6	
6	Reply: To PMID 23992672. *Journal of Pediatrics*, **2014**, 165, 419-20	3.6	
5	Effects of low and high carbohydrate meals on postprandial plasma lipid concentrations. *FASEB Journal*, **2009**, 23, 722.8	0.9	
4	Acute consumption of very low carbohydrate meals lowers postprandial concentrations of insulin, leptin, and total ghrelin. *FASEB Journal*, **2009**, 23, 720.3	0.9	
3	Vitamin E Deficiency in Children with Long-chain 3-hydroxyacylCoA dehydrogenase deficiency (LCHADD). *FASEB Journal*, **2009**, 23, 904.3	0.9	
2	0035 Resting Metabolism and the Metabolic Response to Exercise Follow Circadian Patterns with Day/Night Differences in Substrate Utilization Between Lean and Obese Adults. *Sleep*, **2020**, 43, A14-A14	1.1	
1	0222 A shift in the circadian timing of calories and an increase in sleep variability are associated with changes in cardiometabolic health in a real-world setting. *Sleep*, **2022**, 45, A101-A101	1.1	