Kathleen M Gustafson

List of Publications by Year
in descending order

66 papers	2,943 citations	218592 26 h-index	168321 53 g-index
69 all docs	69 docs citations	69 times ranked	2581 citing authors

#	Article	IF	Citations
1	Growth and Development in Preterm Infants Fed Long-Chain Polyunsaturated Fatty Acids: A Prospective, Randomized Controlled Trial. Pediatrics, 2001, 108, 359-371.	1.0	337
2	Visual Acuity, Erythrocyte Fatty Acid Composition, and Growth in Term Infants Fed Formulas with Long Chain Polyunsaturated Fatty Acids for One Year. Pediatric Research, 1997, 41, 1-10.	1.1	270
3	DHA supplementation and pregnancy outcomes. American Journal of Clinical Nutrition, 2013, 97, 808-815.	2.2	255
4	Visual, Cognitive, and Language Assessments at 39 Months: A Follow-up Study of Children Fed Formulas Containing Long-Chain Polyunsaturated Fatty Acids to 1 Year of Age. Pediatrics, 2003, 112, e177-e183.	1.0	206
5	The DIAMOND (DHA Intake And Measurement Of Neural Development) Study: a double-masked, randomized controlled clinical trial of the maturation of infant visual acuity as a function of the dietary level of docosahexaenoic acid. American Journal of Clinical Nutrition, 2010, 91, 848-859.	2.2	196
6	Growth and Development of Premature Infants Fed Predominantly Human Milk, Predominantly Premature Infant Formula, or a Combination of Human Milk and Premature Formula. Journal of Pediatric Gastroenterology and Nutrition, 2003, 37, 437-446.	0.9	162
7	Long-term effects of LCPUFA supplementation on childhood cognitive outcomes. American Journal of Clinical Nutrition, 2013, 98, 403-412.	2.2	150
8	Aerobic exercise during pregnancy influences fetal cardiac autonomic control of heart rate and heart rate variability. Early Human Development, 2010, 86, 213-217.	0.8	102
9	Retinal signal transmission in Duchenne muscular dystrophy: evidence for dysfunction in the photoreceptor/depolarizing bipolar cell pathway.. Journal of Clinical Investigation, 1994, 93, 2425-2430.	3.9	90
10	Long-Chain Polyunsaturated Fatty Acid Supplementation in Infancy Reduces Heart Rate and Positively Affects Distribution of Attention. Pediatric Research, 2011, 70, 406-410.	1.1	78
11	Duchenne/Becker muscular dystrophy: correlation of phenotype by electroretinography with sites of dystrophin mutations. Human Genetics, 1999, 105, 2-9.	1.8	68
12	The effects of dystrophin gene mutations on the ERG in mice and humans. Investigative Ophthalmology and Visual Science, 1993, 34, 3646-52.	3.3	65
13	Aerobic exercise during pregnancy influences infant heart rate variability at one month of age. Early Human Development, 2014, 90, 33-38.	0.8	56
14	Regular Maternal Exercise Dose and Fetal Heart Outcome. Medicine and Science in Sports and Exercise, 2012, 44, 1252-1258.	0.2	54
15	Docosahexaenoic acid (DHA) and arachidonic acid (ARA) balance in developmental outcomes. Prostaglandins Leukotrienes and Essential Fatty Acids, 2017, 121, 52-56.	1.0	49
16	Clinical and electroretinographic findings in fetal alcohol syndrome. Journal of AAPOS, 2000, 4, 200-204.	0.2	46
17	Effects of docosahexaenoic acid supplementation during pregnancy on fetal heart rate and variability: A randomized clinical trial. Prostaglandins Leukotrienes and Essential Fatty Acids, 2013, 88, 331-338.	1.0	44
18	Longâ€chain polyunsaturated fatty acid supplementation in the first year of life affects brain function, structure, and metabolism at age nine years. Developmental Psychobiology, 2019, 61, 5-16.	0.9	42

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19	Fetal cardiac autonomic control during breathing and non-breathing epochs: The effect of maternal exercise. Early Human Development, 2012, 88, 539-546.	0.8	41
20	The Kansas University DHA Outcomes Study (KUDOS) clinical trial: long-term behavioral follow-up of the effects of prenatal DHA supplementation. American Journal of Clinical Nutrition, 2019, 109, 1380-1392.	2.2	41
21	Prenatal DHA supplementation and infant attention. Pediatric Research, 2016, 80, 656-662.	1.1	40
22	Characterization of the fetal diaphragmatic magnetomyogram and the effect of breathing movements on cardiac metrics of rate and variability. Early Human Development, 2011, 87, 467-475.	0.8	34
23	Effects of Exercise During Pregnancy on Maternal Heart Rate and Heart Rate Variability. PM and R, 2016, 8, 611-617.	0.9	34
24	Electroretinography is necessary for spasmus nutans diagnosis. Pediatric Neurology, 2000, 23, 33-36.	1.0	32
25	Eventâ€related potential differences in children supplemented with longâ€chain polyunsaturated fatty acids during infancy. Developmental Science, 2017, 20, e12455.	1.3	31
26	Electroretinography in congenital idiopathic nystagmus. Pediatric Neurology, 1993, 9, 369-371.	1.0	28
27	Aerobic Exercise during Pregnancy and Presence of Fetal-Maternal Heart Rate Synchronization. PLoS ONE, 2014, 9, e106036.	1.1	27
28	Critical and Sensitive Periods in Development and Nutrition. Annals of Nutrition and Metabolism, 2019, 75, 34-42.	1.0	25
29	Magnetographic assessment of fetal hiccups and their effect on fetal heart rhythm. Physiological Measurement, 2007, 28, 665-676.	1.2	24
30	Psychometric Properties of NASA-TLX and Index of Cognitive Activity as Measures of Cognitive Workload in Older Adults. Brain Sciences, 2020, 10, 994.	1.1	24
31	Docosahexaenoic acid and cognitive function: Is the link mediated by the autonomic nervous system?. Prostaglandins Leukotrienes and Essential Fatty Acids, 2008, 79, 135-140.	1.0	23
32	Fetal and maternal cardiac responses to physical activity and exercise during pregnancy. Early Human Development, 2016, 94, 49-52.	0.8	21
33	Fetal rhythm-based language discrimination. NeuroReport, 2017, 28, 561-564.	0.6	20
34	Heart rate variability categories of fluctuation amplitude and complexity: diagnostic markers of fetal development and its disturbances. Physiological Measurement, 2019, 40, 064002.	1.2	20
35	Non-nutritive sucking recorded<i>in utero</i>via fetal magnetography. Physiological Measurement, 2008, 29, 127-139.	1.2	19
36	Maternal physical activity mode and fetal heart outcome. Early Human Development, 2014, 90, 365-369.	0.8	18

#	ARTICLE	IF	CITATIONS
37	Optic nerve hypoplasia in association with brain anomalies and an abnormal electroretinogram. Documenta Ophthalmologica, 1994, 86, 11-22.	1.0	17
38	Doseâ€“response relationship between docosahexaenoic acid (DHA) intake and lower rates of early preterm birth, low birth weight and very low birth weight. Prostaglandins Leukotrienes and Essential Fatty Acids, 2018, 138, 1-5.	1.0	14
39	Duchenne/Becker muscular dystrophy: correlation of phenotype by electroretinography with sites of dystrophin mutations. Human Genetics, 1999, 105, 2-9.	1.8	13
40	Improvement in survival and muscle function in an mdx/utrnâˆ'/âˆ' double mutant mouse using a human retinal dystrophin transgene. Neuromuscular Disorders, 2006, 16, 192-203.	0.3	13
41	Autosomal dominant inheritance of a negative electroretinogram phenotype in three generations. American Journal of Ophthalmology, 2001, 131, 495-502.	1.7	12
42	EEG/ERP evidence of possible hyperexcitability in older adults with elevated beta-amyloid. Translational Neurodegeneration, 2022, 11, 8.	3.6	12
43	Reconstruction of Fetal Cardiac Vectors From Multichannel fMCG Data Using Recursively Applied and Projected Multiple Signal Classification. IEEE Transactions on Biomedical Engineering, 2006, 53, 2564-2576.	2.5	11
44	Reliability of P3 Event-Related Potential During Working Memory Across the Spectrum of Cognitive Aging. Frontiers in Aging Neuroscience, 2020, 12, 566391.	1.7	11
45	A novel method for separating the components of the clinical electroretinogram. Journal of Modern Optics, 2007, 54, 1263-1280.	0.6	10
46	Effects of Transcranial Direct Current Stimulation (tDCS) on Go/NoGo Performance Using Food and Non-Food Stimuli in Patients with Praderâ€“Willi Syndrome. Brain Sciences, 2021, 11, 250.	1.1	9
47	Prenatal docosahexaenoic acid effect on maternal-infant DHA-equilibrium and fetal neurodevelopment: a randomized clinical trial. Pediatric Research, 2022, 92, 255-264.	1.1	7
48	Fetal Assessment Using Biomagnetometry: Neurobehaviors, Cardiac Autonomic Control, and Research Applications. , 2016, , 453-480.		7
49	Prenatal docosahexaenoic acid supplementation has long-term effects on childhood behavioral and brain responses during performance on an inhibitory task. Nutritional Neuroscience, 2020, , 1-11.	1.5	6
50	Preferential activation for emotional Western classical music versus emotional environmental sounds in motor, interoceptive, and language brain areas. Brain and Cognition, 2019, 136, 103593.	0.8	4
51	Amblyopia in unilateral congenital ptosis: early detection by sweep visual evoked potential. Graefe's Archive for Clinical and Experimental Ophthalmology, 1995, 233, 605-609.	1.0	3
52	Preliminary Evidence for Limbic-Frontal Hyperexcitability in Psychogenic Nonepileptic Seizure Patients. Clinical EEG and Neuroscience, 2019, 50, 287-295.	0.9	3
53	Validation of Pupillary Response Against EEG during Dual-Tasking Postural Control. Archives of Physical Medicine and Rehabilitation, 2019, 100, e142.	0.5	3
54	Possible dysmetabolic hyperferritinemia in hyperinsulinemic horses. Open Veterinary Journal, 2020, 9, 287.	0.3	3

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55	Intake of eggs, choline, lutein, zeaxanthin, and DHA during pregnancy and their relationship to fetal neurodevelopment. Nutritional Neuroscience, 2023, 26, 749-755.	1.5	3
56	Prospective advances in fetal biomagnetometry â€" Challenges remain. Clinical Neurophysiology, 2018, 129, 503-504.	0.7	2
57	Fetal Developmental Deviations Reflected in a Functional Autonomic Brain Age Score. , 0, , .		2
58	Programming of infant neurodevelopment by maternal obesity: potential role of maternal inflammation and insulin resistance. Asia Pacific Journal of Clinical Nutrition, 2017, 26, S36-S39.	0.3	2
59	The relationship between betaâ€amyloid accumulation and P3 eventâ€related potential in older adults: A pilot study. Alzheimer's and Dementia, 2021, 17, .	0.4	1
60	Abnormal electroretinogram (ERG) associated with developmental brain anomalies. American Journal of Ophthalmology, 1996, 121, 107.	1.7	0
61	Longitudinal measures of visual acuity in full-term human infants fed different dietary fatty acids. , 1996, 19, 106.		0
62	Heart rate variability as a proxy for fetal programming: The effect of maternal exercise. , 2014, , .		0
63	A magnetoencephalography investigation of coherence source imaging in panic disorder. NeuroReport, 2017, 28, 833-837.	0.6	0
64	From Darwin to Monitoring the Fetal Development - a Multi-Score using Categories of Heart Rate Patterns. , 2020, , .		0
65	Maternal Continuous vs. Intermittent Exercise and the Fetal heart. FASEB Journal, 2012, 26, 1142.38.	0.2	0
66	The relationship between hippocampal volume and P3 eventâ€related potential in cognitively normal older adults without and with elevated amyloid: A pilot study. Alzheimer's and Dementia, 2021, 17, .	0.4	0