

Kathleen M Gustafson

List of Publications by Year in descending order

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Version: 2024-02-01

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	Intake of eggs, choline, lutein, zeaxanthin, and DHA during pregnancy and their relationship to fetal neurodevelopment. <i>Nutritional Neuroscience</i> , 2023, 26, 749-755.	1.5	3
2	Prenatal docosahexaenoic acid effect on maternal-infant DHA-equilibrium and fetal neurodevelopment: a randomized clinical trial. <i>Pediatric Research</i> , 2022, 92, 255-264.	1.1	7
3	EEG/ERP evidence of possible hyperexcitability in older adults with elevated beta-amyloid. <i>Translational Neurodegeneration</i> , 2022, 11, 8.	3.6	12
4	Effects of Transcranial Direct Current Stimulation (tDCS) on Go/NoGo Performance Using Food and Non-Food Stimuli in Patients with Prader-Willi Syndrome. <i>Brain Sciences</i> , 2021, 11, 250.	1.1	9
5	The relationship between hippocampal volume and P3 event-related potential in cognitively normal older adults without and with elevated amyloid: A pilot study. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	0
6	The relationship between beta-amyloid accumulation and P3 event-related potential in older adults: A pilot study. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	1
7	From Darwin to Monitoring the Fetal Development - a Multi-Score using Categories of Heart Rate Patterns. , 2020, , .		0
8	Reliability of P3 Event-Related Potential During Working Memory Across the Spectrum of Cognitive Aging. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 566391.	1.7	11
9	Psychometric Properties of NASA-TLX and Index of Cognitive Activity as Measures of Cognitive Workload in Older Adults. <i>Brain Sciences</i> , 2020, 10, 994.	1.1	24
10	Prenatal docosahexaenoic acid supplementation has long-term effects on childhood behavioral and brain responses during performance on an inhibitory task. <i>Nutritional Neuroscience</i> , 2020, , 1-11.	1.5	6
11	Possible dysmetabolic hyperferritinemia in hyperinsulinemic horses. <i>Open Veterinary Journal</i> , 2020, 9, 287.	0.3	3
12	Preliminary Evidence for Limbic-Frontal Hyperexcitability in Psychogenic Nonepileptic Seizure Patients. <i>Clinical EEG and Neuroscience</i> , 2019, 50, 287-295.	0.9	3
13	Preferential activation for emotional Western classical music versus emotional environmental sounds in motor, interoceptive, and language brain areas. <i>Brain and Cognition</i> , 2019, 136, 103593.	0.8	4
14	Heart rate variability categories of fluctuation amplitude and complexity: diagnostic markers of fetal development and its disturbances. <i>Physiological Measurement</i> , 2019, 40, 064002.	1.2	20
15	The Kansas University DHA Outcomes Study (KUDOS) clinical trial: long-term behavioral follow-up of the effects of prenatal DHA supplementation. <i>American Journal of Clinical Nutrition</i> , 2019, 109, 1380-1392.	2.2	41
16	Critical and Sensitive Periods in Development and Nutrition. <i>Annals of Nutrition and Metabolism</i> , 2019, 75, 34-42.	1.0	25
17	Validation of Pupillary Response Against EEG during Dual-Tasking Postural Control. <i>Archives of Physical Medicine and Rehabilitation</i> , 2019, 100, e142.	0.5	3
18	Long-chain polyunsaturated fatty acid supplementation in the first year of life affects brain function, structure, and metabolism at age nine years. <i>Developmental Psychobiology</i> , 2019, 61, 5-16.	0.9	42

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19	Prospective advances in fetal biomagnetometry – Challenges remain. <i>Clinical Neurophysiology</i> , 2018, 129, 503-504.	0.7	2
20	Dose–response relationship between docosahexaenoic acid (DHA) intake and lower rates of early preterm birth, low birth weight and very low birth weight. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2018, 138, 1-5.	1.0	14
21	Docosahexaenoic acid (DHA) and arachidonic acid (ARA) balance in developmental outcomes. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2017, 121, 52-56.	1.0	49
22	Fetal rhythm-based language discrimination. <i>NeuroReport</i> , 2017, 28, 561-564.	0.6	20
23	A magnetoencephalography investigation of coherence source imaging in panic disorder. <i>NeuroReport</i> , 2017, 28, 833-837.	0.6	0
24	Event-related potential differences in children supplemented with long-chain polyunsaturated fatty acids during infancy. <i>Developmental Science</i> , 2017, 20, e12455.	1.3	31
25	Programming of infant neurodevelopment by maternal obesity: potential role of maternal inflammation and insulin resistance. <i>Asia Pacific Journal of Clinical Nutrition</i> , 2017, 26, S36-S39.	0.3	2
26	Prenatal DHA supplementation and infant attention. <i>Pediatric Research</i> , 2016, 80, 656-662.	1.1	40
27	Fetal and maternal cardiac responses to physical activity and exercise during pregnancy. <i>Early Human Development</i> , 2016, 94, 49-52.	0.8	21
28	Effects of Exercise During Pregnancy on Maternal Heart Rate and Heart Rate Variability. <i>PM and R</i> , 2016, 8, 611-617.	0.9	34
29	Fetal Assessment Using Biomagnetometry: Neurobehaviors, Cardiac Autonomic Control, and Research Applications. , 2016, , 453-480.		7
30	Aerobic Exercise during Pregnancy and Presence of Fetal-Maternal Heart Rate Synchronization. <i>PLoS ONE</i> , 2014, 9, e106036.	1.1	27
31	Aerobic exercise during pregnancy influences infant heart rate variability at one month of age. <i>Early Human Development</i> , 2014, 90, 33-38.	0.8	56
32	Heart rate variability as a proxy for fetal programming: The effect of maternal exercise. , 2014, , .		0
33	Maternal physical activity mode and fetal heart outcome. <i>Early Human Development</i> , 2014, 90, 365-369.	0.8	18
34	Effects of docosahexaenoic acid supplementation during pregnancy on fetal heart rate and variability: A randomized clinical trial. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2013, 88, 331-338.	1.0	44
35	Long-term effects of LCPUFA supplementation on childhood cognitive outcomes. <i>American Journal of Clinical Nutrition</i> , 2013, 98, 403-412.	2.2	150
36	DHA supplementation and pregnancy outcomes. <i>American Journal of Clinical Nutrition</i> , 2013, 97, 808-815.	2.2	255

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37	Regular Maternal Exercise Dose and Fetal Heart Outcome. <i>Medicine and Science in Sports and Exercise</i> , 2012, 44, 1252-1258.	0.2	54
38	Fetal cardiac autonomic control during breathing and non-breathing epochs: The effect of maternal exercise. <i>Early Human Development</i> , 2012, 88, 539-546.	0.8	41
39	Maternal Continuous vs. Intermittent Exercise and the Fetal heart. <i>FASEB Journal</i> , 2012, 26, 1142.38.	0.2	0
40	Long-Chain Polyunsaturated Fatty Acid Supplementation in Infancy Reduces Heart Rate and Positively Affects Distribution of Attention. <i>Pediatric Research</i> , 2011, 70, 406-410.	1.1	78
41	Characterization of the fetal diaphragmatic magnetomyogram and the effect of breathing movements on cardiac metrics of rate and variability. <i>Early Human Development</i> , 2011, 87, 467-475.	0.8	34
42	Aerobic exercise during pregnancy influences fetal cardiac autonomic control of heart rate and heart rate variability. <i>Early Human Development</i> , 2010, 86, 213-217.	0.8	102
43	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. <i>American Journal of Clinical Nutrition</i> , 2010, 91, 848-859.	2.2	196
44	Docosahexaenoic acid and cognitive function: Is the link mediated by the autonomic nervous system?. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2008, 79, 135-140.	1.0	23
45	Non-nutritive sucking recorded in utero via fetal magnetography. <i>Physiological Measurement</i> , 2008, 29, 127-139.	1.2	19
46	A novel method for separating the components of the clinical electroretinogram. <i>Journal of Modern Optics</i> , 2007, 54, 1263-1280.	0.6	10
47	Magnetographic assessment of fetal hiccups and their effect on fetal heart rhythm. <i>Physiological Measurement</i> , 2007, 28, 665-676.	1.2	24
48	Reconstruction of Fetal Cardiac Vectors From Multichannel fMCG Data Using Recursively Applied and Projected Multiple Signal Classification. <i>IEEE Transactions on Biomedical Engineering</i> , 2006, 53, 2564-2576.	2.5	11
49	Improvement in survival and muscle function in an mdx/utrn ^{+/+} double mutant mouse using a human retinal dystrophin transgene. <i>Neuromuscular Disorders</i> , 2006, 16, 192-203.	0.3	13
50	Growth and Development of Premature Infants Fed Predominantly Human Milk, Predominantly Premature Infant Formula, or a Combination of Human Milk and Premature Formula. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2003, 37, 437-446.	0.9	162
51	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. <i>Pediatrics</i> , 2003, 112, e177-e183.	1.0	206
52	Autosomal dominant inheritance of a negative electroretinogram phenotype in three generations. <i>American Journal of Ophthalmology</i> , 2001, 131, 495-502.	1.7	12
53	Growth and Development in Preterm Infants Fed Long-Chain Polyunsaturated Fatty Acids: A Prospective, Randomized Controlled Trial. <i>Pediatrics</i> , 2001, 108, 359-371.	1.0	337
54	Clinical and electroretinographic findings in fetal alcohol syndrome. <i>Journal of AAPOS</i> , 2000, 4, 200-204.	0.2	46

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55	Electroretinography is necessary for spasms nutans diagnosis. <i>Pediatric Neurology</i> , 2000, 23, 33-36.	1.0	32
56	Duchenne/Becker muscular dystrophy: correlation of phenotype by electroretinography with sites of dystrophin mutations. <i>Human Genetics</i> , 1999, 105, 2-9.	1.8	13
57	Duchenne/Becker muscular dystrophy: correlation of phenotype by electroretinography with sites of dystrophin mutations. <i>Human Genetics</i> , 1999, 105, 2-9.	1.8	68
58	Visual Acuity, Erythrocyte Fatty Acid Composition, and Growth in Term Infants Fed Formulas with Long Chain Polyunsaturated Fatty Acids for One Year. <i>Pediatric Research</i> , 1997, 41, 1-10.	1.1	270
59	Abnormal electroretinogram (ERG) associated with developmental brain anomalies. <i>American Journal of Ophthalmology</i> , 1996, 121, 107.	1.7	0
60	Longitudinal measures of visual acuity in full-term human infants fed different dietary fatty acids. , 1996, 19, 106.		0
61	Amblyopia in unilateral congenital ptosis: early detection by sweep visual evoked potential. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 1995, 233, 605-609.	1.0	3
62	Optic nerve hypoplasia in association with brain anomalies and an abnormal electroretinogram. <i>Documenta Ophthalmologica</i> , 1994, 86, 11-22.	1.0	17
63	Retinal signal transmission in Duchenne muscular dystrophy: evidence for dysfunction in the photoreceptor/depolarizing bipolar cell pathway.. <i>Journal of Clinical Investigation</i> , 1994, 93, 2425-2430.	3.9	90
64	Electroretinography in congenital idiopathic nystagmus. <i>Pediatric Neurology</i> , 1993, 9, 369-371.	1.0	28
65	The effects of dystrophin gene mutations on the ERG in mice and humans. <i>Investigative Ophthalmology and Visual Science</i> , 1993, 34, 3646-52.	3.3	65
66	Fetal Developmental Deviations Reflected in a Functional Autonomic Brain Age Score. , 0, , .		2