S Jill James

List of Publications by Year
in descending order

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Version: 2024-02-01

67 papers	8,361 citations	61857 43 h-index	110170 64 g-index
75 all docs	75 docs citations	75 times ranked	7660 citing authors

#	Article	IF	Citations
1	Examining associations between prenatal biomarkers of oxidative stress and ASD-related outcomes using quantile regression. Journal of Autism and Developmental Disorders, 2023, 53, 2975-2985.	1.7	3
2	Expression Changes in Epigenetic Gene Pathways Associated With Oneâ€Carbon Nutritional Metabolites in Maternal Blood From Pregnancies Resulting in Autism and Nonâ€Typical Neurodevelopment. Autism Research, 2021, 14, 11-28.	2.1	8
3	Randomized controlled trial of sulforaphane and metabolite discovery in children with Autism Spectrum Disorder. Molecular Autism, 2021, 12, 38.	2.6	32
4	Altered metabolism of mothers of young children with Autism Spectrum Disorder: a case control study. BMC Pediatrics, 2020, 20, 557.	0.7	14
5	Overexpression of LINE-1 Retrotransposons in Autism Brain. Molecular Neurobiology, 2018, 55, 1740-1749.	1.9	65
6	Epigenetically mediated inhibition of Sâ€adenosylhomocysteine hydrolase and the associated dysregulation of 1â€carbon metabolism in nonalcoholic steatohepatitis and hepatocellular carcinoma. FASEB Journal, 2018, 32, 1591-1601.	0.2	23
7	Comparison of Three Clinical Trial Treatments for Autism Spectrum Disorder Through Multivariate Analysis of Changes in Metabolic Profiles and Adaptive Behavior. Frontiers in Cellular Neuroscience, 2018, 12, 503.	1.8	19
8	Maternal metabolic profile predicts high or low risk of an autism pregnancy outcome. Research in Autism Spectrum Disorders, 2018, 56, 72-82.	0.8	18
9	Comparison of Treatment for Metabolic Disorders Associated with Autism:Reanalysis of Three Clinical Trials. Frontiers in Neuroscience, 2018, 12, 19.	1.4	17
10	Multivariate techniques enable a biochemical classification of children with autism spectrum disorder versus typicallyâ€developing peers: A comparison and validation study. Bioengineering and Translational Medicine, 2018, 3, 156-165.	3.9	37
11	Oxidative stress, inflammation and treatment response in major depression. Psychoneuroendocrinology, 2017, 76, 197-205.	1.3	332
12	Mathematical modeling of the methionine cycle and transsulfuration pathway in individuals with autism spectrum disorder. Journal of Theoretical Biology, 2017, 416, 28-37.	0.8	19
13	Mitochondrial and redox abnormalities in autism lymphoblastoid cells: a sibling control study. FASEB Journal, 2017, 31, 904-909.	0.2	64
14	Classification and adaptive behavior prediction of children with autism spectrum disorder based upon multivariate data analysis of markers of oxidative stress and DNA methylation. PLoS Computational Biology, 2017, 13, e1005385.	1.5	90
15	Randomized, Placebo-Controlled Trial of Methyl B12 for Children with Autism. Journal of Child and Adolescent Psychopharmacology, 2016, 26, 774-783.	0.7	93
16	Approaches to studying and manipulating the enteric microbiome to improve autism symptoms. Microbial Ecology in Health and Disease, 2015, 26, 26878.	3.8	56
17	Increased Susceptibility to Ethylmercury-Induced Mitochondrial Dysfunction in a Subset of Autism Lymphoblastoid Cell Lines. Journal of Toxicology, 2015, 2015, 1-13.	1.4	40
18	Dietary Supplementation in Children with Autism Spectrum Disorders: Common, Insufficient, and Excessive. Journal of the Academy of Nutrition and Dietetics, 2015, 115, 1237-1248.	0.4	68

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19	Betaine for Patients with Acute Lymphoblastic Leukemia Intolerant of Maintenance Chemotherapy Due Deficiency of S-Adenosyl Methionine. Blood, 2015, 126, 1296-1296.	0.6	3
20	Cerebellar Oxidative DNA Damage and Altered DNA Methylation in the BTBR T+tf/J Mouse Model of Autism and Similarities with Human Post Mortem Cerebellum. PLoS ONE, 2014, 9, e113712.	1.1	75
21	Metabolic pathology of autism in relation to redox metabolism. Biomarkers in Medicine, 2014, 8, 321-330.	0.6	93
22	Oxidative Stress Induces Mitochondrial Dysfunction in a Subset of Autism Lymphoblastoid Cell Lines in a Well-Matched Case Control Cohort. PLoS ONE, 2014, 9, e85436.	1.1	139
23	Dietary Intake and Plasma Levels of Choline and Betaine in Children with Autism Spectrum Disorders. Autism Research & Treatment, 2013, 2013, 1-7.	0.1	38
24	Effectiveness of Methylcobalamin and Folinic Acid Treatment on Adaptive Behavior in Children with Autistic Disorder Is Related to Glutathione Redox Status. Autism Research & Treatment, 2013, 2013, 1-9.	0.1	59
25	Autism and Folate-dependent One-carbon Metabolism: Serendipity and Critical Branch-point Decisions in Science. Global Advances in Health and Medicine, 2013, 2, 48-51.	0.7	28
26	Intracellular and Extracellular Redox Status and Free Radical Generation in Primary Immune Cells from Children with Autism. Autism Research & Treatment, 2012, 2012, 1-10.	0.1	56
27	Postnatal exposure to trichloroethylene alters glutathione redox homeostasis, methylation potential, and neurotrophin expression in the mouse hippocampus. NeuroToxicology, 2012, 33, 1518-1527.	1.4	20
28	Associations between maternal genotypes and metabolites implicated in congenital heart defects. Molecular Genetics and Metabolism, 2012, 107, 596-604.	0.5	31
29	Molecular alterations in hepatocarcinogenesis induced by dietary methyl deficiency. Molecular Nutrition and Food Research, 2012, 56, 116-125.	1.5	62
30	Metabolic Imbalance Associated with Methylation Dysregulation and Oxidative Damage in Children with Autism. Journal of Autism and Developmental Disorders, 2012, 42, 367-377.	1.7	201
31	Nutrient Intake among Children with Autism. FASEB Journal, 2012, 26, 811.16.	0.2	0
32	A functional polymorphism in the reduced folate carrier gene and DNA hypomethylation in mothers of children with autism. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2010, 153B, 1209-1220.	1.1	76
33	Pilot Study of the Effect of Methyl B12 Treatment on Behavioral and Biomarker Measures in Children with Autism. Journal of Alternative and Complementary Medicine, 2010, 16, 555-560.	2.1	77
34	Cellular and mitochondrial glutathione redox imbalance in lymphoblastoid cells derived from children with autism. FASEB Journal, 2009, 23, 2374-2383.	0.2	203
35	Efficacy of methylcobalamin and folinic acid treatment on glutathione redox status in children with autism. American Journal of Clinical Nutrition, 2009, 89, 425-430.	2.2	213
36	Role of DNA damage and alterations in cytosine DNA methylation in rat liver carcinogenesis induced by a methyl-deficient diet. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2009, 669, 56-62.	0.4	46

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37	Abnormal Transmethylation/transsulfuration Metabolism and DNA Hypomethylation Among Parents of Children with Autism. Journal of Autism and Developmental Disorders, 2008, 38, 1966-1975.	1.7	75
38	Abnormal Transmethylation/transsulfuration Metabolism and DNA Hypomethylation Among Parents of Children with Autism. Journal of Autism and Developmental Disorders, 2008, 38, 1976-1976.	1.7	43
39	A mathematical model of glutathione metabolism. Theoretical Biology and Medical Modelling, 2008, 5, 8.	2.1	131
40	Developmental exposure to trichloroethylene promotes CD4+ T cell differentiation and hyperactivity in association with oxidative stress and neurobehavioral deficits in MRL+/+ mice. Toxicology and Applied Pharmacology, 2008, 231, 344-353.	1.3	26
41	Oxidative Stress and the Metabolic Pathology of Autism. , 2008, , 245-268.		12
42	The effects of hyperbaric oxygen therapy on oxidative stress, inflammation, and symptoms in children with autism: an open-label pilot study. BMC Pediatrics, 2007, 7, 36.	0.7	83
43	Elevation in Sâ€adenosylhomocysteine and DNA hypomethylation in parents and children with autism. FASEB Journal, 2007, 21, A348.	0.2	3
44	Deltaâ€Aminolevulinic Acid Dehydratase (ALAD) polymorphism that modulates lead toxicity is increased among autistic children. FASEB Journal, 2007, 21, A1066.	0.2	0
45	A Mathematical Model Gives Insights into Nutritional and Genetic Aspects of Folate-Mediated One-Carbon Metabolism. Journal of Nutrition, 2006, 136, 2653-2661.	1.3	126
46	Irreversible global DNA hypomethylation as a key step in hepatocarcinogenesis induced by dietary methyl deficiency. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2006, 593, 80-87.	0.4	167
47	Neural tube defects and maternal biomarkers of folate, homocysteine, and glutathione metabolism. Birth Defects Research Part A: Clinical and Molecular Teratology, 2006, 76, 230-236.	1.6	67
48	Metabolic endophenotype and related genotypes are associated with oxidative stress in children with autism. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2006, 141B, 947-956.	1.1	494
49	Congenital heart defects and abnormal maternal biomarkers of methionine and homocysteine metabolism ,. American Journal of Clinical Nutrition, 2005, 81, 147-153.	2.2	143
50	No association between common polymorphisms in genes of folate and homocysteine metabolism and the risk of Down's syndrome among French mothers. British Journal of Nutrition, 2005, 94, 166-169.	1.2	77
51	Congenital heart defects and maternal biomarkers of oxidative stress. American Journal of Clinical Nutrition, 2005, 82, 598-604.	2.2	41
52	Congenital heart defects and maternal biomarkers of oxidative stress. American Journal of Clinical Nutrition, 2005, 82, 598-604.	2.2	46
53	Maternal metabolic phenotype and risk of down syndrome: Beyond genetics. American Journal of Medical Genetics Part A, 2004, 127A, 1-4.	2.4	25
54	Metabolic biomarkers of increased oxidative stress and impaired methylation capacity in children with autism. American Journal of Clinical Nutrition, 2004, 80, 1611-1617.	2.2	792

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55	Increased plasma homocysteine and S-adenosylhomocysteine and decreased methionine is associated with altered phosphatidylcholine and phosphatidylethanolamine in cystic fibrosis. Journal of Pediatrics, 2003, 143, 351-356.	0.9	47
56	Mechanisms of DNA Damage, DNA Hypomethylation, and Tumor Progression in the Folate/Methyl-Deficient Rat Model of Hepatocarcinogenesis. Journal of Nutrition, 2003, 133, 3740S-3747S.	1.3	175
57	Reduction of p53 gene expression in human primary hepatocellular carcinoma is associated with promoter region methylation without coding region mutation. Cancer Letters, 2002, 176, 169-174.	3.2	69
58	Elevation in S-Adenosylhomocysteine and DNA Hypomethylation: Potential Epigenetic Mechanism for Homocysteine-Related Pathology. Journal of Nutrition, 2002, 132, 2361S-2366S.	1.3	304
59	Homocysteine Metabolism in Children with Down Syndrome: In Vitro Modulation. American Journal of Human Genetics, 2001, 69, 88-95.	2.6	214
60	Maternal Folate Polymorphisms and the Etiology of Human Nondisjunction. American Journal of Human Genetics, 2001, 69, 434-439.	2.6	66
61	Mice deficient in methylenetetrahydrofolate reductase exhibit hyperhomocysteinemia and decreased methylation capacity, with neuropathology and aortic lipid deposition. Human Molecular Genetics, 2001, 10, 433-443.	1.4	539
62	Intracellular S-Adenosylhomocysteine Concentrations Predict Global DNA Hypomethylation in Tissues of Methyl-Deficient Cystathionine Î²-Synthase Heterozygous Mice. Journal of Nutrition, 2001, 131, 2811-2818.	1.3	271
63	Measurement of Plasma and Intracellular S-Adenosylmethionine and S-Adenosylhomocysteine Utilizing Coulometric Electrochemical Detection: Alterations with Plasma Homocysteine and Pyridoxal 5â€²-Phosphate Concentrations. Clinical Chemistry, 2000, 46, 265-272.	1.5	198
64	Increase in Plasma Homocysteine Associated with Parallel Increases in Plasma S-Adenosylhomocysteine and Lymphocyte DNA Hypomethylation. Journal of Biological Chemistry, 2000, 275, 29318-29323.	1.6	557
65	Polymorphisms in Genes Involved in Folate Metabolism as Maternal Risk Factors for Down Syndrome. American Journal of Human Genetics, 2000, 67, 623-630.	2.6	333
66	Abnormal folate metabolism and mutation in the methylenetetrahydrofolate reductase gene may be maternal risk factors for Down syndrome. American Journal of Clinical Nutrition, 1999, 70, 495-501.	2.2	396
67	Moderate Folate Depletion Increases Plasma Homocysteine and Decreases Lymphocyte DNA Methylation in Postmenopausal Women. Journal of Nutrition, 1998, 128, 1204-1212.	1.3	423