

Shannon Rose

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

2,322
citations

236912

25
h-index

276858

41
g-index

49
all docs

49
docs citations

49
times ranked

2479
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence of oxidative damage and inflammation associated with low glutathione redox status in the autism brain. <i>Translational Psychiatry</i> , 2012, 2, e134-e134.	4.8	356
2	Cellular and mitochondrial glutathione redox imbalance in lymphoblastoid cells derived from children with autism. <i>FASEB Journal</i> , 2009, 23, 2374-2383.	0.5	203
3	Metabolic Imbalance Associated with Methylation Dysregulation and Oxidative Damage in Children with Autism. <i>Journal of Autism and Developmental Disorders</i> , 2012, 42, 367-377.	2.7	201
4	Clinical and Molecular Characteristics of Mitochondrial Dysfunction in Autism Spectrum Disorder. <i>Molecular Diagnosis and Therapy</i> , 2018, 22, 571-593.	3.8	159
5	Butyrate enhances mitochondrial function during oxidative stress in cell lines from boys with autism. <i>Translational Psychiatry</i> , 2018, 8, 42.	4.8	155
6	Oxidative Stress Induces Mitochondrial Dysfunction in a Subset of Autism Lymphoblastoid Cell Lines in a Well-Matched Case Control Cohort. <i>PLoS ONE</i> , 2014, 9, e85436.	2.5	139
7	Gastrointestinal dysfunction in autism spectrum disorder: the role of the mitochondria and the enteric microbiome. <i>Microbial Ecology in Health and Disease</i> , 2015, 26, 27458.	3.5	88
8	Abnormal Transmethylation/transsulfuration Metabolism and DNA Hypomethylation Among Parents of Children with Autism. <i>Journal of Autism and Developmental Disorders</i> , 2008, 38, 1966-1975.	2.7	75
9	Mitochondrial and redox abnormalities in autism lymphoblastoid cells: a sibling control study. <i>FASEB Journal</i> , 2017, 31, 904-909.	0.5	64
10	Mitochondrial dysfunction in the gastrointestinal mucosa of children with autism: A blinded case-control study. <i>PLoS ONE</i> , 2017, 12, e0186377.	2.5	58
11	Intracellular and Extracellular Redox Status and Free Radical Generation in Primary Immune Cells from Children with Autism. <i>Autism Research & Treatment</i> , 2012, 2012, 1-10.	0.5	56
12	Blocking and Binding Folate Receptor Alpha Autoantibodies Identify Novel Autism Spectrum Disorder Subgroups. <i>Frontiers in Neuroscience</i> , 2016, 10, 80.	2.8	51
13	Intravenous immunoglobulin for the treatment of autoimmune encephalopathy in children with autism. <i>Translational Psychiatry</i> , 2018, 8, 148.	4.8	45
14	Abnormal Transmethylation/transsulfuration Metabolism and DNA Hypomethylation Among Parents of Children with Autism. <i>Journal of Autism and Developmental Disorders</i> , 2008, 38, 1976-1976.	2.7	43
15	Increased Susceptibility to Ethylmercury-Induced Mitochondrial Dysfunction in a Subset of Autism Lymphoblastoid Cell Lines. <i>Journal of Toxicology</i> , 2015, 2015, 1-13.	3.0	40
16	Autistic Siblings with Novel Mutations in Two Different Genes: Insight for Genetic Workups of Autistic Siblings and Connection to Mitochondrial Dysfunction. <i>Frontiers in Pediatrics</i> , 2017, 5, 219.	1.9	39
17	Prenatal air pollution influences neurodevelopment and behavior in autism spectrum disorder by modulating mitochondrial physiology. <i>Molecular Psychiatry</i> , 2021, 26, 1561-1577.	7.9	39
18	Maternal Obesity Programs Senescence Signaling and Glucose Metabolism in Osteo-Progenitors From Rat and Human. <i>Endocrinology</i> , 2016, 157, 4172-4183.	2.8	38

#	ARTICLE	IF	CITATIONS
19	Multivariate techniques enable a biochemical classification of children with autism spectrum disorder versus typically developing peers: A comparison and validation study. <i>Bioengineering and Translational Medicine</i> , 2018, 3, 156-165.	7.1	37
20	Modulation of Immunological Pathways in Autistic and Neurotypical Lymphoblastoid Cell Lines by the Enteric Microbiome Metabolite Propionic Acid. <i>Frontiers in Immunology</i> , 2017, 8, 1670.	4.8	36
21	A comparative study of mitochondrial respiration in circulating blood cells and skeletal muscle fibers in women. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 317, E503-E512.	3.5	35
22	The Effect of Mitochondrial Supplements on Mitochondrial Activity in Children with Autism Spectrum Disorder. <i>Journal of Clinical Medicine</i> , 2017, 6, 18.	2.4	32
23	Bioenergetic variation is related to autism symptomatology. <i>Metabolic Brain Disease</i> , 2017, 32, 2021-2031.	2.9	31
24	Mitochondrial Dysfunction Is Inducible in Lymphoblastoid Cell Lines From Children With Autism and May Involve the TORC1 Pathway. <i>Frontiers in Psychiatry</i> , 2019, 10, 269.	2.6	31
25	Oxidative Stress Challenge Uncovers Trichloroacetaldehyde Hydrate-Induced Mitoplasticity in Autistic and Control Lymphoblastoid Cell Lines. <i>Scientific Reports</i> , 2017, 7, 4478.	3.3	29
26	Early life metal exposure dysregulates cellular bioenergetics in children with regressive autism spectrum disorder. <i>Translational Psychiatry</i> , 2020, 10, 223.	4.8	28
27	Mitochondria May Mediate Prenatal Environmental Influences in Autism Spectrum Disorder. <i>Journal of Personalized Medicine</i> , 2021, 11, 218.	2.5	23
28	The Frequency of Polymorphisms affecting Lead and Mercury Toxicity among Children with Autism. <i>American Journal of Biochemistry and Biotechnology</i> , 2008, 4, 85-94.	0.4	23
29	Variations in Mitochondrial Respiration Differ in IL-1 β /IL-10 Ratio Based Subgroups in Autism Spectrum Disorders. <i>Frontiers in Psychiatry</i> , 2019, 10, 71.	2.6	22
30	Comparison of Three Clinical Trial Treatments for Autism Spectrum Disorder Through Multivariate Analysis of Changes in Metabolic Profiles and Adaptive Behavior. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 503.	3.7	19
31	Inheritance of HLA-Cw7 Associated With Autism Spectrum Disorder (ASD). <i>Frontiers in Psychiatry</i> , 2019, 10, 612.	2.6	19
32	Comparison of Treatment for Metabolic Disorders Associated with Autism: Reanalysis of Three Clinical Trials. <i>Frontiers in Neuroscience</i> , 2018, 12, 19.	2.8	17
33	Mitochondrial morphology is associated with respiratory chain uncoupling in autism spectrum disorder. <i>Translational Psychiatry</i> , 2021, 11, 527.	4.8	16
34	Redox Imbalance and Methylation Disturbances in Early Childhood Obesity. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-16.	4.0	14
35	Peripheral Blood Mononuclear Cell Oxytocin and Vasopressin Receptor Expression Positively Correlates with Social and Behavioral Function in Children with Autism. <i>Scientific Reports</i> , 2019, 9, 13443.	3.3	13
36	Serum microRNAs in ASD: Association With Monocyte Cytokine Profiles and Mitochondrial Respiration. <i>Frontiers in Psychiatry</i> , 2019, 10, 614.	2.6	13

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37	Physiological mediators of prenatal environmental influences in autism spectrum disorder. <i>BioEssays</i> , 2021, 43, e2000307.	2.5	12
38	MicroRNA Expression Profiles in Autism Spectrum Disorder: Role for miR-181 in Immunomodulation. <i>Journal of Personalized Medicine</i> , 2021, 11, 922.	2.5	10
39	Integrated microRNA-mRNA Expression Profiling Identifies Novel Targets and Networks Associated with Autism. <i>Journal of Personalized Medicine</i> , 2022, 12, 920.	2.5	6
40	Effects of obesity and 10 weeks metformin treatment on liver steatosis. <i>Biomedical Reports</i> , 2021, 14, 49.	2.0	3
41	Effect of excess weight and insulin resistance on DNA methylation in prepubertal children. <i>Scientific Reports</i> , 2022, 12, 8430.	3.3	2
42	Mitochondrial Metabolism. , 2019, , 73-103.		1
43	Children with mitochondrial disease and autism have alterations in pathways involved in response to endogenous and exogenous stressors. <i>Mitochondrion</i> , 2012, 12, 558.	3.4	0
44	Increased susceptibility to reactive oxygen species in autism lymphoblastoid cells is mediated by mitochondrial dysfunction. <i>Mitochondrion</i> , 2012, 12, 562.	3.4	0
45	Effects of Obesity and Short-Term Metformin Treatment on Liver Steatosis in Female Zucker Rats. <i>Current Developments in Nutrition</i> , 2020, 4, nzaa063_038.	0.3	0
46	Mitochondrial Respiration in Female Zucker Rats: Effects of Obesity and Short-Term Metformin Treatment. <i>Current Developments in Nutrition</i> , 2020, 4, nzaa063_080.	0.3	0
47	Time dependent changes in the bioenergetics of peripheral blood mononuclear cells: processing time, collection tubes and cryopreservation effects.. <i>American Journal of Translational Research</i> (discontinued), 2022, 14, 1628-1639.	0.0	0