

Shannon Rose

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

45
papers

1,689
citations

20
h-index

41
g-index

49
ext. papers

2,186
ext. citations

4.9
avg, IF

4.84
L-index

#	Paper	IF	Citations
45	Evidence of oxidative damage and inflammation associated with low glutathione redox status in the autism brain. <i>Translational Psychiatry</i> , 2012 , 2, e134	8.6	277
44	Cellular and mitochondrial glutathione redox imbalance in lymphoblastoid cells derived from children with autism. <i>FASEB Journal</i> , 2009 , 23, 2374-83	0.9	170
43	Metabolic imbalance associated with methylation dysregulation and oxidative damage in children with autism. <i>Journal of Autism and Developmental Disorders</i> , 2012 , 42, 367-77	4.6	167
42	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	3.7	91
41	Butyrate enhances mitochondrial function during oxidative stress in cell lines from boys with autism. <i>Translational Psychiatry</i> , 2018 , 8, 42	8.6	84
40	Clinical and Molecular Characteristics of Mitochondrial Dysfunction in Autism Spectrum Disorder. <i>Molecular Diagnosis and Therapy</i> , 2018 , 22, 571-593	4.5	84
39	Effects of Obesity and Short-Term Metformin Treatment on Liver Steatosis in Female Zucker Rats. <i>Current Developments in Nutrition</i> , 2020 , 4, 1640-1640	0.4	78
38	Mitochondrial Respiration in Female Zucker Rats: Effects of Obesity and Short-Term Metformin Treatment. <i>Current Developments in Nutrition</i> , 2020 , 4, 1682-1682	0.4	78
37	Abnormal transmethylation/transsulfuration metabolism and DNA hypomethylation among parents of children with autism. <i>Journal of Autism and Developmental Disorders</i> , 2008 , 38, 1966-75	4.6	68
36	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		56
35	Intracellular and extracellular redox status and free radical generation in primary immune cells from children with autism. <i>Autism Research & Treatment</i> , 2012 , 2012, 986519	3.2	49
34	Mitochondrial and redox abnormalities in autism lymphoblastoid cells: a sibling control study. <i>FASEB Journal</i> , 2017 , 31, 904-909	0.9	41
33	Blocking and Binding Folate Receptor Alpha Autoantibodies Identify Novel Autism Spectrum Disorder Subgroups. <i>Frontiers in Neuroscience</i> , 2016 , 10, 80	5.1	37
32	Mitochondrial dysfunction in the gastrointestinal mucosa of children with autism: A blinded case-control study. <i>PLoS ONE</i> , 2017 , 12, e0186377	3.7	36
31	Maternal Obesity Programs Senescence Signaling and Glucose Metabolism in Osteo-Progenitors From Rat and Human. <i>Endocrinology</i> , 2016 , 157, 4172-4183	4.8	28
30	Increased susceptibility to ethylmercury-induced mitochondrial dysfunction in a subset of autism lymphoblastoid cell lines. <i>Journal of Toxicology</i> , 2015 , 2015, 573701	3.1	27
29	The Effect of Mitochondrial Supplements on Mitochondrial Activity in Children with Autism Spectrum Disorder. <i>Journal of Clinical Medicine</i> , 2017 , 6,	5.1	24

28	Intravenous immunoglobulin for the treatment of autoimmune encephalopathy in children with autism. <i>Translational Psychiatry</i> , 2018 , 8, 148	8.6	23
27	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	3.4	21
26	Abnormal Transmethylation/transsulfuration Metabolism and DNA Hypomethylation Among Parents of Children with Autism. <i>Journal of Autism and Developmental Disorders</i> , 2008 , 38, 1976	4.6	21
25	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	5	20
24	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	14.8	20
23	Oxidative Stress Challenge Uncovers Trichloroacetaldehyde Hydrate-Induced Mitoplasticity in Autistic and Control Lymphoblastoid Cell Lines. <i>Scientific Reports</i> , 2017 , 7, 4478	4.9	19
22	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	8.4	19
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	6	18
20	Bioenergetic variation is related to autism symptomatology. <i>Metabolic Brain Disease</i> , 2017 , 32, 2021-2034	3.9	17
19	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	17
18	Comparison of Treatment for Metabolic Disorders Associated with Autism: Reanalysis of Three Clinical Trials. <i>Frontiers in Neuroscience</i> , 2018 , 12, 19	5.1	13
17	Inheritance of HLA-Cw7 Associated With Autism Spectrum Disorder (ASD). <i>Frontiers in Psychiatry</i> , 2019 , 10, 612	5	11
16	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	5	11
15	Early life metal exposure dysregulates cellular bioenergetics in children with regressive autism spectrum disorder. <i>Translational Psychiatry</i> , 2020 , 10, 223	8.6	11
14	Prenatal air pollution influences neurodevelopment and behavior in autism spectrum disorder by modulating mitochondrial physiology. <i>Molecular Psychiatry</i> , 2021 , 26, 1561-1577	15.1	11
13	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	6.1	10
12	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	4.9	7
11	Serum microRNAs in ASD: Association With Monocyte Cytokine Profiles and Mitochondrial Respiration. <i>Frontiers in Psychiatry</i> , 2019 , 10, 614	5	7

10	Mitochondria May Mediate Prenatal Environmental Influences in Autism Spectrum Disorder. <i>Journal of Personalized Medicine</i> , 2021 , 11,	3.6	7
9	Physiological mediators of prenatal environmental influences in autism spectrum disorder. <i>BioEssays</i> , 2021 , 43, e2000307	4.1	5
8	Mitochondrial morphology is associated with respiratory chain uncoupling in autism spectrum disorder. <i>Translational Psychiatry</i> , 2021 , 11, 527	8.6	2
7	MicroRNA Expression Profiles in Autism Spectrum Disorder: Role for miR-181 in Immunomodulation. <i>Journal of Personalized Medicine</i> , 2021 , 11,	3.6	2
6	Effects of obesity and 10 weeks metformin treatment on liver steatosis. <i>Biomedical Reports</i> , 2021 , 14, 49	1.8	1
5	Redox Imbalance and Methylation Disturbances in Early Childhood Obesity. <i>Oxidative Medicine and Cellular Longevity</i> , 2021 , 2021, 2207125	6.7	1
4	Effect of excess weight and insulin resistance on DNA methylation in prepubertal children.. <i>Scientific Reports</i> , 2022 , 12, 8430	4.9	0
3	Integrated microRNA-mRNA Expression Profiling Identifies Novel Targets and Networks Associated with Autism. <i>Journal of Personalized Medicine</i> , 2022 , 12, 920	3.6	0
2	Mitochondrial Metabolism 2019 , 73-103		
1	Time dependent changes in the bioenergetics of peripheral blood mononuclear cells: processing time, collection tubes and cryopreservation effects.. <i>American Journal of Translational Research (discontinued)</i> , 2022 , 14, 1628-1639	3	