

Metabolic endophenotype and related genotypes are associated with autism in children with autism

American Journal of Medical Genetics Part B: Neuropsychiatric
141B, 947-956

DOI: [10.1002/ajmg.b.30366](https://doi.org/10.1002/ajmg.b.30366)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Effects of UV Photographs, Photoaging Information, and Use of Sunless Tanning Lotion on Sun Protection Behaviors. <i>Archives of Dermatology</i> , 2005, 141, 356-61.	1.7	58
2	Autism and environmental genomics. <i>NeuroToxicology</i> , 2006, 27, 671-684.	1.4	142
3	A Prospective Study of Mercury Toxicity Biomarkers in Autistic Spectrum Disorders—. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2007, 70, 1723-1730.	1.1	75
4	Clinical implications of environmental toxicology for children's neurodevelopment in autism. <i>Future Neurology</i> , 2007, 2, 167-171.	0.9	1
5	Hyperbaric oxygen therapy might improve certain pathophysiological findings in autism. <i>Medical Hypotheses</i> , 2007, 68, 1208-1227.	0.8	51
6	Preliminary evidence for involvement of the folate gene polymorphism 19bp deletion-DHFR in occurrence of autism. <i>Neuroscience Letters</i> , 2007, 422, 24-29.	1.0	63
7	Complementary and Alternative Medical Therapies for Attention-Deficit/Hyperactivity Disorder and Autism. <i>Pediatric Clinics of North America</i> , 2007, 54, 983-1006.	0.9	69
8	The Neurobiology of Autism. <i>Brain Pathology</i> , 2007, 17, 434-447.	2.1	373
9	The effects of hyperbaric oxygen therapy on oxidative stress, inflammation, and symptoms in children with autism: an open-label pilot study. <i>BMC Pediatrics</i> , 2007, 7, 36.	0.7	83
10	Could Oxidative Stress From Psychosocial Stress Affect Neurodevelopment in Autism?. <i>Journal of Autism and Developmental Disorders</i> , 2007, 37, 993-994.	1.7	12
11	Brief Report: Autistic Symptoms, Developmental Regression, Mental Retardation, Epilepsy, and Dyskinesias in CNS Folate Deficiency. <i>Journal of Autism and Developmental Disorders</i> , 2008, 38, 1170-1177.	1.7	72
12	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.	1.7	75
13	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.	1.7	43
14	A mathematical model of glutathione metabolism. <i>Theoretical Biology and Medical Modelling</i> , 2008, 5, 8.	2.1	131
15	Hypothesis: Dysregulation of methylation of brain-expressed genes on the X chromosome and autism spectrum disorders. <i>American Journal of Medical Genetics, Part A</i> , 2008, 146A, 2213-2220.	0.7	22
16	Genomic imprinting in the development and evolution of psychotic spectrum conditions. <i>Biological Reviews</i> , 2008, 83, 441-493.	4.7	74
17	Porphyria in childhood autistic disorder is not associated with urinary creatinine deficiency. <i>Pediatrics International</i> , 2008, 50, 528-532.	0.2	9
18	Developmental exposure to trichloroethylene promotes CD4+ T cell differentiation and hyperactivity in association with oxidative stress and neurobehavioral deficits in MRL+/+ mice. <i>Toxicology and Applied Pharmacology</i> , 2008, 231, 344-353.	1.3	26

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19	Thimerosal exposure in infants and neurodevelopmental disorders: An assessment of computerized medical records in the Vaccine Safety Datalink. <i>Journal of the Neurological Sciences</i> , 2008, 271, 110-118.	0.3	125
20	Impact of innate immunity in a subset of children with autism spectrum disorders: a case control study. <i>Journal of Neuroinflammation</i> , 2008, 5, 52.	3.1	93
21	Oxidative stress in psychiatric disorders: evidence base and therapeutic implications. <i>International Journal of Neuropsychopharmacology</i> , 2008, 11, 851-76.	1.0	821
22	Epigenetic and pharmacoepigentic studies of major psychoses and potentials for therapeutics. <i>Pharmacogenomics</i> , 2008, 9, 1809-1823.	0.6	44
23	Has enhanced folate status during pregnancy altered natural selection and possibly Autism prevalence? A closer look at a possible link. <i>Medical Hypotheses</i> , 2008, 71, 406-410.	0.8	59
24	How environmental and genetic factors combine to cause autism: A redox/methylation hypothesis. <i>NeuroToxicology</i> , 2008, 29, 190-201.	1.4	256
25	Nutritional and Environmental Approaches to Preventing and Treating Autism and Attention Deficit Hyperactivity Disorder (ADHD): A Review. <i>Journal of Alternative and Complementary Medicine</i> , 2008, 14, 79-85.	2.1	101
26	Complementary and Alternative Medicine Treatments for Children with Autism Spectrum Disorders. <i>Child and Adolescent Psychiatric Clinics of North America</i> , 2008, 17, 803-820.	1.0	157
27	Encephalization, Emergent Properties, and Psychiatry: A Minicolumnar Perspective. <i>Neuroscientist</i> , 2008, 14, 101-118.	2.6	54
28	Autism spectrum disorder-associated biomarkers for case evaluation and management by clinical geneticists. <i>Expert Review of Molecular Diagnostics</i> , 2008, 8, 671-674.	1.5	14
29	Mercury in first-cut baby hair of children with autism <i>versus</i> typically-developing children. <i>Toxicological and Environmental Chemistry</i> , 2008, 90, 739-753.	0.6	47
30	Evidence of Mitochondrial Dysfunction in Autism and Implications for Treatment. <i>American Journal of Biochemistry and Biotechnology</i> , 2008, 4, 208-217.	0.1	49
31	Autism, Gut-Blood-Brain Barrier, and Mast Cells. <i>Journal of Clinical Psychopharmacology</i> , 2008, 28, 479-483.	0.7	38
32	A Novel Rodent Model of Autism: Intraventricular Infusions of Propionic Acid Increase Locomotor Activity and Induce Neuroinflammation and Oxidative Stress in Discrete Regions of Adult Rat Brain. <i>American Journal of Biochemistry and Biotechnology</i> , 2008, 4, 146-166.	0.1	88
33	Biomarker discovery in neurological diseases: a metabolomic approach. <i>Open Access Journal of Clinical Trials</i> , 2009, Volume 1, 27-41.	1.5	1
34	The Severity of Autism Is Associated with Toxic Metal Body Burden and Red Blood Cell Glutathione Levels. <i>Journal of Toxicology</i> , 2009, 2009, 1-7.	1.4	119
35	Gene Expression Profiling of Lymphoblasts from Autistic and Nonaffected Sib Pairs: Altered Pathways in Neuronal Development and Steroid Biosynthesis. <i>PLoS ONE</i> , 2009, 4, e5775.	1.1	134
36	An Evaluation of Surrogate Chemical Exposure Measures and Autism Prevalence in Texas. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2009, 72, 1592-1603.	1.1	27

#	ARTICLE	IF	CITATIONS
37	Autism: an emerging "neuroimmune disorder"™ in search of therapy. <i>Expert Opinion on Pharmacotherapy</i> , 2009, 10, 2127-2143.	0.9	69
38	Cellular and mitochondrial glutathione redox imbalance in lymphoblastoid cells derived from children with autism. <i>FASEB Journal</i> , 2009, 23, 2374-2383.	0.2	203
39	Aberrations in folate metabolic pathway and altered susceptibility to autism. <i>Psychiatric Genetics</i> , 2009, 19, 171-176.	0.6	82
40	Efficacy of methylcobalamin and folinic acid treatment on glutathione redox status in children with autism. <i>American Journal of Clinical Nutrition</i> , 2009, 89, 425-430.	2.2	213
41	One carbon metabolism disturbances and the C677T MTHFR gene polymorphism in children with autism spectrum disorders. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 4229-4238.	1.6	99
42	A Prospective Study of Transsulfuration Biomarkers in Autistic Disorders. <i>Neurochemical Research</i> , 2009, 34, 386-393.	1.6	123
43	Autism: Is there a folate connection?. <i>Journal of Inherited Metabolic Disease</i> , 2009, 32, 400-402.	1.7	25
44	Food allergy and autism spectrum disorders: Is there a link?. <i>Current Allergy and Asthma Reports</i> , 2009, 9, 194-201.	2.4	66
45	Neurometabolic disorders and dysfunction in autism spectrum disorders. <i>Current Neurology and Neuroscience Reports</i> , 2009, 9, 129-136.	2.0	93
46	Increase in Cerebellar Neurotrophin-3 and Oxidative Stress Markers in Autism. <i>Cerebellum</i> , 2009, 8, 366-372.	1.4	105
47	Sera from Children with Autism Alter Proliferation of Human Neuronal Progenitor Cells Exposed to Oxidation. <i>Neurotoxicity Research</i> , 2009, 16, 87-95.	1.3	9
48	Safety and efficacy of oral DMSA therapy for children with autism spectrum disorders: Part A - Medical results. <i>BMC Clinical Pharmacology</i> , 2009, 9, 16.	2.5	41
49	Safety and efficacy of oral DMSA therapy for children with autism spectrum disorders: Part B - Behavioral results. <i>BMC Clinical Pharmacology</i> , 2009, 9, 17.	2.5	49
50	The MTHFR 677C>T polymorphism and behaviors in children with autism: exploratory genotype-phenotype correlations. <i>Autism Research</i> , 2009, 2, 98-108.	2.1	57
51	Intracerebroventricular injections of the enteric bacterial metabolic product propionic acid impair cognition and sensorimotor ability in the Long-Evans rat: Further development of a rodent model of autism. <i>Behavioural Brain Research</i> , 2009, 200, 33-41.	1.2	123
52	Ockham's Razor and autism: The case for developmental neurotoxins contributing to a disease of neurodevelopment. <i>NeuroToxicology</i> , 2009, 30, 331-337.	1.4	35
53	Biomarkers of environmental toxicity and susceptibility in autism. <i>Journal of the Neurological Sciences</i> , 2009, 280, 101-108.	0.3	157
54	Reply to Martin's comments. <i>Journal of the Neurological Sciences</i> , 2009, 280, 128-129.	0.3	0

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55	Re: Biomarkers of Environmental Toxicity and Susceptibility in Autism. <i>Journal of the Neurological Sciences</i> , 2009, 280, 127-128.	0.3	2
56	Folic acid fortification: a double-edged sword. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2009, 12, 555-564.	1.3	90
57	A Perspective on Nutritional Genomics. <i>Topics in Clinical Nutrition</i> , 2009, 24, 92-113.	0.2	0
58	Genomic and Epigenomic Instability, Fragile Sites, Schizophrenia and Autism. <i>Current Genomics</i> , 2010, 11, 447-469.	0.7	64
59	MTHFR C677T is not a risk factor for autism spectrum disorders in South Brazil. <i>Psychiatric Genetics</i> , 2010, 20, 187-189.	0.6	31
60	Urinary Metabolic Phenotyping Differentiates Children with Autism from Their Unaffected Siblings and Age-Matched Controls. <i>Journal of Proteome Research</i> , 2010, 9, 2996-3004.	1.8	277
61	Mitochondrial dysfunction in autism spectrum disorders: Cause or effect?. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 1130-1137.	0.5	152
62	Photoperiod at conception predicts C677T MTHFR genotype: A novel gene-environment interaction. <i>American Journal of Human Biology</i> , 2010, 22, 484-489.	0.8	22
63	A functional polymorphism in the reduced folate carrier gene and DNA hypomethylation in mothers of children with autism. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2010, 153B, 1209-1220.	1.1	76
64	Complementary and Alternative Medicine in Autism: An Evidence-Based Approach to Negotiating Safe and Efficacious Interventions with Families. <i>Neurotherapeutics</i> , 2010, 7, 307-319.	2.1	67
65	Ligand exchange effects in gold nanoparticle assembly induced by oxidative stress biomarkers: Homocysteine and cysteine. <i>Biophysical Chemistry</i> , 2010, 146, 98-107.	1.5	94
66	Altered brain phospholipid and acylcarnitine profiles in propionic acid infused rodents: further development of a potential model of autism spectrum disorders. <i>Journal of Neurochemistry</i> , 2010, 113, 515-529.	2.1	106
67	Transcobalamin C776G genotype modifies the association between vitamin B12 and homocysteine in older Hispanics. <i>European Journal of Clinical Nutrition</i> , 2010, 64, 503-509.	1.3	21
68	Perinatal risk factors interacting with catechol O-methyltransferase and the serotonin transporter gene predict ASD symptoms in children with ADHD. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2010, 51, 1242-1250.	3.1	45
69	Pilot Study of the Effect of Methyl B12 Treatment on Behavioral and Biomarker Measures in Children with Autism. <i>Journal of Alternative and Complementary Medicine</i> , 2010, 16, 555-560.	2.1	77
70	Controversial Issues in Treating the Dental Patient With Autism. <i>Journal of the American Dental Association</i> , 2010, 141, 947-953.	0.7	37
71	The Neurogenic Basic Helix-Loop-Helix Transcription Factor NeuroD6 Confers Tolerance to Oxidative Stress by Triggering an Antioxidant Response and Sustaining the Mitochondrial Biomass. <i>ASN Neuro</i> , 2010, 2, AN20100005.	1.5	60
72	Neuroigin-deficient mutants of <i>C. elegans</i> have sensory processing deficits and are hypersensitive to oxidative stress and mercury toxicity. <i>DMM Disease Models and Mechanisms</i> , 2010, 3, 366-376.	1.2	81

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73	The Neurobiology of Lipid Metabolism in Autism Spectrum Disorders. <i>NeuroSignals</i> , 2010, 18, 98-112.	0.5	91
74	Nutritional Intake and Therapies in Autism. <i>ICAN: Infant, Child, & Adolescent Nutrition</i> , 2010, 2, 62-69.	0.2	26
75	Nutritional Interventions and Therapies in Autism. <i>ICAN: Infant, Child, & Adolescent Nutrition</i> , 2010, 2, 120-133.	0.2	22
76	Decreased serum arylesterase activity in autism spectrum disorders. <i>Psychiatry Research</i> , 2010, 180, 105-113.	1.7	33
77	Autism Spectrum Disorders and Epigenetics. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2010, 49, 794-809.	0.3	197
78	Oxidative pathways as a drug target for the treatment of autism. <i>Expert Opinion on Therapeutic Targets</i> , 2010, 14, 1301-1310.	1.5	35
79	An autism cohort study of cobalt levels following vitamin B12 injections. <i>Toxicological and Environmental Chemistry</i> , 2010, 92, 1025-1037.	0.6	9
80	Porphyrinuria in Korean Children with Autism: Correlation with Oxidative Stress. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2010, 73, 701-710.	1.1	24
81	Folate and methionine metabolism in autism: a systematic review. <i>American Journal of Clinical Nutrition</i> , 2010, 91, 1598-1620.	2.2	81
82	Autism: A Systems Biology Disease. , 2011, , .		12
83	Discovery of Carboxyethylpyrroles (CEPs): Critical Insights into AMD, Autism, Cancer, and Wound Healing from Basic Research on the Chemistry of Oxidized Phospholipids. <i>Chemical Research in Toxicology</i> , 2011, 24, 1803-1816.	1.7	42
84	Evidence of microglial activation in autism and its possible role in brain underconnectivity. <i>Neuron Glia Biology</i> , 2011, 7, 205-213.	2.0	164
85	DNA-Protective Mechanisms of Glutathione Intervention in Catechol-Mediated Oxidative DNA Damage in the Presence of Copper(II) Ions. <i>ACS Symposium Series</i> , 2011, , 177-209.	0.5	1
86	A novel embryological theory of autism causation involving endogenous biochemicals capable of initiating cellular gene transcription: A possible link between twelve autism risk factors and the autism "epidemic"™. <i>Medical Hypotheses</i> , 2011, 76, 653-660.	0.8	24
87	Metabolic, immune, epigenetic, endocrine and phenotypic abnormalities found in individuals with autism spectrum disorders, Down syndrome and Alzheimer disease may be caused by congenital and/or acquired chronic cerebral toxoplasmosis. <i>Research in Autism Spectrum Disorders</i> , 2011, 5, 14-59.	0.8	27
88	All-trans Retinoic Acid Upregulates Reduced CD38 Transcription in Lymphoblastoid Cell Lines from Autism Spectrum Disorder. <i>Molecular Medicine</i> , 2011, 17, 799-806.	1.9	72
89	Adenosine and Autism - Recent Research and a New Perspective. , 0, , .		0
90	A clinical trial of glutathione supplementation in autism spectrum disorders. <i>Medical Science Monitor</i> , 2011, 17, CR677-CR682.	0.5	49

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91	Maternal genotypes as predictors of offspring mental health: the next frontier of genomic medicine?. <i>Future Neurology</i> , 2011, 6, 731-743.	0.9	7
92	Comparative kinetic model of fluorescence enhancement in selective binding of monochlorobimane to glutathione. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 225, 72-80.	2.0	28
93	Population- and Family-Based Studies Associate the MTHFR Gene with Idiopathic Autism in Simplex Families. <i>Journal of Autism and Developmental Disorders</i> , 2011, 41, 938-944.	1.7	56
94	Autism, imprinting and epigenetic disorders: a metabolic syndrome linked to anomalies in homocysteine recycling starting in early life??. <i>Journal of Assisted Reproduction and Genetics</i> , 2011, 28, 1143-1145.	1.2	23
95	Reply to Letter of Peter Good. <i>Neuropsychology Review</i> , 2011, 21, 70-71.	2.5	2
96	Effect of buried potential barrier in label-less electrochemical immunodetection of glutathione and glutathione-capped gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3524-3530.	5.3	51
97	Glutathione pathway gene variation and risk of autism spectrum disorders. <i>Journal of Neurodevelopmental Disorders</i> , 2011, 3, 132-143.	1.5	55
98	Novel metabolic biomarkers related to sulfur-dependent detoxification pathways in autistic patients of Saudi Arabia. <i>BMC Neurology</i> , 2011, 11, 139.	0.8	75
99	Effect of a vitamin/mineral supplement on children and adults with autism. <i>BMC Pediatrics</i> , 2011, 11, 111.	0.7	202
100	Nutritional and metabolic status of children with autism vs. neurotypical children, and the association with autism severity. <i>Nutrition and Metabolism</i> , 2011, 8, 34.	1.3	311
101	Gold implants and increased expression of metallothionein-I/II as a novel hypothesized therapeutic approach for autism. <i>Toxicology</i> , 2011, 283, 63-64.	2.0	8
102	Mitochondrial Dysfunction Can Connect the Diverse Medical Symptoms Associated With Autism Spectrum Disorders. <i>Pediatric Research</i> , 2011, 69, 41R-47R.	1.1	187
103	Maternal Intake of Folic Acid and Neural Crest Stem Cells. <i>Vitamins and Hormones</i> , 2011, 87, 143-173.	0.7	11
104	Prenatal Vitamins, One-carbon Metabolism Gene Variants, and Risk for Autism. <i>Epidemiology</i> , 2011, 22, 476-485.	1.2	256
105	Pentapeptide sharing between <i>Corynebacterium diphtheria</i> toxin and the human neural protein network. <i>Immunopharmacology and Immunotoxicology</i> , 2011, 33, 360-372.	1.1	9
106	The plausibility of a role for mercury in the etiology of autism: a cellular perspective. <i>Toxicological and Environmental Chemistry</i> , 2011, 93, 1251-1273.	0.6	40
107	Residential Proximity to Freeways and Autism in the CHARGE Study. <i>Environmental Health Perspectives</i> , 2011, 119, 873-877.	2.8	286
108	Short-chain fatty acid fermentation products of the gut microbiome: implications in autism spectrum disorders. <i>Microbial Ecology in Health and Disease</i> , 2012, 23, .	3.8	244

#	ARTICLE	IF	CITATIONS
109	Impaired Sulfate Metabolism and Epigenetics: Is There a Link in Autism?. <i>Entropy</i> , 2012, 14, 1953-1977.	1.1	17
110	Gene-Environment Interactions and Epigenetic Pathways in Autism: The Importance of One-Carbon Metabolism. <i>ILAR Journal</i> , 2012, 53, 322-340.	1.8	57
111	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.	0.1	56
112	Genomics, Intellectual Disability, and Autism. <i>New England Journal of Medicine</i> , 2012, 366, 2231-2232.	13.9	7
113	Methylenetetrahydrofolate Reductase Polymorphisms C677T and Risk of Autism in the Chinese Han Population. <i>Genetic Testing and Molecular Biomarkers</i> , 2012, 16, 968-973.	0.3	61
114	Evidence of oxidative damage and inflammation associated with low glutathione redox status in the autism brain. <i>Translational Psychiatry</i> , 2012, 2, e134-e134.	2.4	356
115	Prenatal and Postnatal Epigenetic Programming: Implications for GI, Immune, and Neuronal Function in Autism. <i>Autism Research & Treatment</i> , 2012, 2012, 1-13.	0.1	16
116	Glutathione-Related Factors and Oxidative Stress in Autism, A Review. <i>Current Medicinal Chemistry</i> , 2012, 19, 4000-4005.	1.2	111
117	Autism Spectrum Disorders. <i>Global Advances in Health and Medicine</i> , 2012, 1, 62-74.	0.7	5
118	Metabolic Perturbance in Autism Spectrum Disorders: A Metabolomics Study. <i>Journal of Proteome Research</i> , 2012, 11, 5856-5862.	1.8	205
119	Associations between maternal genotypes and metabolites implicated in congenital heart defects. <i>Molecular Genetics and Metabolism</i> , 2012, 107, 596-604.	0.5	31
120	Credibility battles in the autism litigation. <i>Social Studies of Science</i> , 2012, 42, 237-261.	1.5	39
121	Oxidative Stress Markers in Children with Autism Spectrum Disorders. <i>Free Radical Biology and Medicine</i> , 2012, 53, S21.	1.3	3
122	Drug therapy in autism: a present and future perspective. <i>Pharmacological Reports</i> , 2012, 64, 1291-1304.	1.5	57
123	Methylglyoxal, advanced glycation end products and autism: Is there a connection?. <i>Medical Hypotheses</i> , 2012, 78, 548-552.	0.8	24
124	The potential role of the antioxidant and detoxification properties of glutathione in autism spectrum disorders: a systematic review and meta-analysis. <i>Nutrition and Metabolism</i> , 2012, 9, 35.	1.3	74
125	A Randomized Controlled Pilot Trial of Oral N-Acetylcysteine in Children with Autism. <i>Biological Psychiatry</i> , 2012, 71, 956-961.	0.7	247
126	Detection of Oxidative Stress Biomarkers Using Functional Gold Nanoparticles. , 2012, , 241-281.		8

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127	Hyperbaric oxygen treatment in autism spectrum disorders. <i>Medical Gas Research</i> , 2012, 2, 16.	1.2	34
128	Modeling autism: a systems biology approach. <i>Journal of Clinical Bioinformatics</i> , 2012, 2, 17.	1.2	32
129	Oxidative Stress and Mitochondrial Injury in Chronic Multisymptom Conditions: From Gulf War Illness to Autism Spectrum Disorder. <i>Nature Precedings</i> , 0, , .	0.1	13
130	Etiology. , 0, , 145-178.		0
131	Reduced Activity of Protein Kinase C in the Frontal Cortex of Subjects with Regressive Autism: Relationship with Developmental Abnormalities. <i>International Journal of Biological Sciences</i> , 2012, 8, 1075-1084.	2.6	16
132	Glutamate carboxypeptidase II and folate deficiencies result in reciprocal protection against cognitive and social deficits in mice: Implications for neurodevelopmental disorders. <i>Developmental Neurobiology</i> , 2012, 72, 891-905.	1.5	16
133	Maternal periconceptional folic acid intake and risk of autism spectrum disorders and developmental delay in the CHARGE (CHILDhood Autism Risks from Genetics and Environment) case-control study. <i>American Journal of Clinical Nutrition</i> , 2012, 96, 80-89.	2.2	336
134	A review of research trends in physiological abnormalities in autism spectrum disorders: immune dysregulation, inflammation, oxidative stress, mitochondrial dysfunction and environmental toxicant exposures. <i>Molecular Psychiatry</i> , 2012, 17, 389-401.	4.1	451
135	Brain Region-Specific Glutathione Redox Imbalance in Autism. <i>Neurochemical Research</i> , 2012, 37, 1681-1689.	1.6	164
136	Mitochondrial dysfunction in autism spectrum disorders: a systematic review and meta-analysis. <i>Molecular Psychiatry</i> , 2012, 17, 290-314.	4.1	694
137	Oxidative stress-related biomarkers in autism: Systematic review and meta-analyses. <i>Free Radical Biology and Medicine</i> , 2012, 52, 2128-2141.	1.3	289
138	Plasma antioxidant capacity is reduced in Asperger syndrome. <i>Journal of Psychiatric Research</i> , 2012, 46, 394-401.	1.5	54
139	Intervention of glutathione in pre-mutagenic catechol-mediated DNA damage in the presence of copper(II) ions. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2012, 735, 1-11.	0.4	42
140	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.	1.7	201
141	Protective and therapeutic potency of N-acetyl-cysteine on propionic acid-induced biochemical autistic features in rats. <i>Journal of Neuroinflammation</i> , 2013, 10, 42.	3.1	19
142	Redox metabolism abnormalities in autistic children associated with mitochondrial disease. <i>Translational Psychiatry</i> , 2013, 3, e273-e273.	2.4	108
143	Autism, seasonality and the environmental perturbation of epigenome related vitamin levels. <i>Medical Hypotheses</i> , 2013, 80, 750-755.	0.8	14
144	Autism and Dietary Therapy. <i>Journal of Child Neurology</i> , 2013, 28, 975-982.	0.7	98

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145	Catechol-O-methyltransferase Val158Met polymorphism and hyperactivity symptoms in Egyptian children with autism spectrum disorder. <i>Research in Developmental Disabilities</i> , 2013, 34, 2092-2097.	1.2	12
146	The link between intraneuronal N-truncated amyloid- β peptide and oxidatively modified lipids in idiopathic autism and dup(15q11.2-q13)/autism. <i>Acta Neuropathologica Communications</i> , 2013, 1, 61.	2.4	25
147	Epigenetic Findings in Autism: New Perspectives for Therapy. <i>International Journal of Environmental Research and Public Health</i> , 2013, 10, 4261-4273.	1.2	65
148	Animal model of autism induced by prenatal exposure to valproate: Altered glutamate metabolism in the hippocampus. <i>Brain Research</i> , 2013, 1495, 52-60.	1.1	73
149	Non-protein-bound iron and 4-hydroxynonenal protein adducts in classic autism. <i>Brain and Development</i> , 2013, 35, 146-154.	0.6	40
150	Impaired synthesis and antioxidant defense of glutathione in the cerebellum of autistic subjects: Alterations in the activities and protein expression of glutathione-related enzymes. <i>Free Radical Biology and Medicine</i> , 2013, 65, 488-496.	1.3	74
151	Toxicological Status of Children with Autism vs. Neurotypical Children and the Association with Autism Severity. <i>Biological Trace Element Research</i> , 2013, 151, 171-180.	1.9	106
152	Cerebral folate receptor autoantibodies in autism spectrum disorder. <i>Molecular Psychiatry</i> , 2013, 18, 369-381.	4.1	196
153	Newborn screening for autism: in search of candidate biomarkers. <i>Biomarkers in Medicine</i> , 2013, 7, 247-260.	0.6	26
154	Mitochondrial Medicine. , 2013, , 1-153.		5
155	Association between <sc>MTHFR</sc> Gene Polymorphisms and the Risk of Autism Spectrum Disorders: A <sc>M</sc>etaâ€Analysis. <i>Autism Research</i> , 2013, 6, 384-392.	2.1	111
156	Prioritization of Disease Susceptibility Genes Using LSM/SVD. <i>IEEE Transactions on Biomedical Engineering</i> , 2013, 60, 3410-3417.	2.5	10
157	Current Progress and Challenges in the Search for Autism Biomarkers. <i>Disease Markers</i> , 2013, 35, 55-65.	0.6	36
158	Necrosis is increased in lymphoblastoid cell lines from children with autism compared with their non-autistic siblings under conditions of oxidative and nitrosative stress. <i>Mutagenesis</i> , 2013, 28, 475-484.	1.0	14
159	Maternal Folic Acid Supplementation and Risk of Autismâ€”Reply. <i>JAMA - Journal of the American Medical Association</i> , 2013, 309, 2208.	3.8	9
160	Role of NAD⁺, Oxidative Stress, and Tryptophan Metabolism in Autism Spectrum Disorders. <i>International Journal of Tryptophan Research</i> , 2013, 6s1, IJTR.S11355.	1.0	25
161	Therapeutic Role of Hematopoietic Stem Cells in Autism Spectrum Disorder-Related Inflammation. <i>Frontiers in Immunology</i> , 2013, 4, 140.	2.2	28
162	Dietary Intake and Plasma Levels of Choline and Betaine in Children with Autism Spectrum Disorders. <i>Autism Research & Treatment</i> , 2013, 2013, 1-7.	0.1	38

#	ARTICLE	IF	CITATIONS
163	Effectiveness of Methylcobalamin and Folinic Acid Treatment on Adaptive Behavior in Children with Autistic Disorder Is Related to Glutathione Redox Status. <i>Autism Research & Treatment</i> , 2013, 2013, 1-9.	0.1	59
164	Alterations in mitochondrial DNA copy number and the activities of electron transport chain complexes and pyruvate dehydrogenase in the frontal cortex from subjects with autism. <i>Translational Psychiatry</i> , 2013, 3, e299-e299.	2.4	134
165	Unique acyl-carnitine profiles are potential biomarkers for acquired mitochondrial disease in autism spectrum disorder. <i>Translational Psychiatry</i> , 2013, 3, e220-e220.	2.4	198
166	Metabolic effects of sapropterin treatment in autism spectrum disorder: a preliminary study. <i>Translational Psychiatry</i> , 2013, 3, e237-e237.	2.4	55
167	Biomarkers of Alzheimer's Disease Among Mexican Americans. <i>Journal of Alzheimer's Disease</i> , 2013, 34, 841-849.	1.2	69
168	Autism: Metabolism, Mitochondria, and the Microbiome. <i>Global Advances in Health and Medicine</i> , 2013, 2, 52-66.	0.7	108
169	The Pathophysiology of Autism. <i>Global Advances in Health and Medicine</i> , 2013, 2, 32-37.	0.7	5
170	Association of the Catechol-o-Methyltransferase Gene Polymorphisms with Korean Autism Spectrum Disorders. <i>Journal of Korean Medical Science</i> , 2013, 28, 1403.	1.1	11
171	Autism and Folate-dependent One-carbon Metabolism: Serendipity and Critical Branch-point Decisions in Science. <i>Global Advances in Health and Medicine</i> , 2013, 2, 48-51.	0.7	28
172	Age-Dependent Decrease and Alternative Splicing of Methionine Synthase mRNA in Human Cerebral Cortex and an Accelerated Decrease in Autism. <i>PLoS ONE</i> , 2013, 8, e56927.	1.1	54
173	Oxidative Stress and Erythrocyte Membrane Alterations in Children with Autism: Correlation with Clinical Features. <i>PLoS ONE</i> , 2013, 8, e66418.	1.1	125
174	Enrichment of Elevated Plasma F2t-Isoprostane Levels in Individuals with Autism Who Are Stratified by Presence of Gastrointestinal Dysfunction. <i>PLoS ONE</i> , 2013, 8, e68444.	1.1	30
175	Thimerosal Exposure and the Role of Sulfation Chemistry and Thiol Availability in Autism. <i>International Journal of Environmental Research and Public Health</i> , 2013, 10, 3771-3800.	1.2	37
176	A review of traditional and novel treatments for seizures in autism spectrum disorder: findings from a systematic review and expert panel. <i>Frontiers in Public Health</i> , 2013, 1, 31.	1.3	72
177	A Population Model of Folate-Mediated One-Carbon Metabolism. <i>Nutrients</i> , 2013, 5, 2457-2474.	1.7	31
178	Transsulfuration Is a Significant Source of Sulfur for Glutathione Production in Human Mammary Epithelial Cells. , 2013, 2013, 1-7.		21
179	Treatments for Biomedical Abnormalities Associated with Autism Spectrum Disorder. <i>Frontiers in Pediatrics</i> , 2014, 2, 66.	0.9	63
180	Decreased glutathione and elevated hair mercury levels are associated with nutritional deficiency-based autism in Oman. <i>Experimental Biology and Medicine</i> , 2014, 239, 697-706.	1.1	41

#	ARTICLE	IF	CITATIONS
181	Prenatal Exposure to Valproate in Animals and Autism. , 2014, , 1779-1793.		11
182	Oxidative stress induces mitochondrial dysfunction in a subset of autistic lymphoblastoid cell lines. Translational Psychiatry, 2014, 4, e377-e377.	2.4	75
183	The need for a comprehensive molecular characterization of autism spectrum disorders. International Journal of Neuropsychopharmacology, 2014, 17, 651-673.	1.0	13
184	Evidence linking oxidative stress, mitochondrial dysfunction, and inflammation in the brain of individuals with autism. Frontiers in Physiology, 2014, 5, 150.	1.3	286
185	Diminished brain resilience syndrome: A modern day neurological pathology of increased susceptibility to mild brain trauma, concussion, and downstream neurodegeneration. , 2014, 5, 97.		14
186	Increasing Prevalence, Changes in Diagnostic Criteria, and Nutritional Risk Factors for Autism Spectrum Disorders. ISRN Nutrition, 2014, 2014, 1-14.	1.7	65
187	Folate and homocysteine metabolisms and their roles in the biochemical basis of neuropsychiatry. Turkish Journal of Medical Sciences, 2014, 44, 1-9.	0.4	27
188	Maintenance of glutathione levels and its importance in epigenetic regulation. Frontiers in Pharmacology, 2014, 5, 88.	1.6	25
189	Metabolic pathology of autism in relation to redox metabolism. Biomarkers in Medicine, 2014, 8, 321-330.	0.6	93
190	Potential Role of Selenoenzymes and Antioxidant Metabolism in relation to Autism Etiology and Pathology. Autism Research & Treatment, 2014, 2014, 1-15.	0.1	40
191	<i>MTHFR</i> Gene C677T Polymorphism in Autism Spectrum Disorders. Genetics Research International, 2014, 2014, 1-5.	2.0	32
192	Fragile X Syndrome: From molecular pathology to therapy. Neuroscience and Biobehavioral Reviews, 2014, 46, 242-255.	2.9	96
193	One-carbon metabolism in neurodevelopmental disorders: Using broad-based nutraceuticals to treat cognitive deficits in complex spectrum disorders. Neuroscience and Biobehavioral Reviews, 2014, 46, 270-284.	2.9	33
194	The neurobiology of autism spectrum disorders. European Psychiatry, 2014, 29, 11-19.	0.1	72
195	Environmental toxicants and autism spectrum disorders: a systematic review. Translational Psychiatry, 2014, 4, e360-e360.	2.4	358
197	Role of Metabolic Genes in Blood Arsenic Concentrations of Jamaican Children with and without Autism Spectrum Disorder. International Journal of Environmental Research and Public Health, 2014, 11, 7874-7895.	1.2	30
198	The Relationship between Folic Acid and Risk of Autism Spectrum Disorders. Healthcare (Switzerland), 2014, 2, 429-444.	1.0	10
199	Oxidative Stress and Dietary Interventions in Autism: Exploring the Role of Zinc, Antioxidant Enzymes and Other Micronutrients in the Neurobiology of Autism. , 0, , .		1

#	ARTICLE	IF	CITATIONS
200	Oxidative Stress and Mitochondrial Dysfunction in ASDs. , 2014, , 407-427.		3
201	Hyperhomocysteinemia: Impact on Neurodegenerative Diseases. Basic and Clinical Pharmacology and Toxicology, 2015, 117, 287-296.	1.2	98
202	Epigenetic effects of casein-derived opioid peptides in SH-SY5Y human neuroblastoma cells. Nutrition and Metabolism, 2015, 12, 54.	1.3	26
203	Vitamin/Mineral Supplements for Children and Adults with Autism. Vitamins & Minerals, 2015, 04, .	0.2	8
204	Sulfur Metabolism and Sulfur-Containing Amino Acids Derivatives " II: Autism Spectrum Disorders, Schizophrenia and Fibromyalgia. Biochemistry & Pharmacology: Open Access, 2015, 04, .	0.2	0
205	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
206	Detection of Biomarkers for Different Diseases on Biosensor Surfaces. , 2015, , 487-524.		0
207	Are ASD and ADHD a Continuum? A Comparison of Pathophysiological Similarities Between the Disorders. Journal of Attention Disorders, 2015, 19, 805-827.	1.5	66
208	Interaction between GSTT1 and GSTP1 allele variants as a risk modulating-factor for autism spectrum disorders. Research in Autism Spectrum Disorders, 2015, 12, 1-9.	0.8	22
209	Metabolic and mitochondrial disorders associated with epilepsy in children with autism spectrum disorder. Epilepsy and Behavior, 2015, 47, 147-157.	0.9	89
210	Pancreatic Response to Gold Nanoparticles Includes Decrease of Oxidative Stress and Inflammation In Autistic Diabetic Model. Cellular Physiology and Biochemistry, 2015, 35, 586-600.	1.1	33
211	Oxidative stress as an etiological factor and a potential treatment target of psychiatric disorders. Part 2. Depression, anxiety, schizophrenia and autism. Pharmacological Reports, 2015, 67, 569-580.	1.5	212
212	Abnormal transsulfuration metabolism and reduced antioxidant capacity in Chinese children with autism spectrum disorders. International Journal of Developmental Neuroscience, 2015, 46, 27-32.	0.7	40
213	Genetic Polymorphism Related to Oxidative Stress in Autism. Oxidative Stress in Applied Basic Research and Clinical Practice, 2015, , 417-433.	0.4	0
214	Modulation of the Genome and Epigenome of Individuals Susceptible to Autism by Environmental Risk Factors. International Journal of Molecular Sciences, 2015, 16, 8699-8718.	1.8	24
215	A cleanroom sleeping environment's impact on markers of oxidative stress, immune dysregulation, and behavior in children with autism spectrum disorders. BMC Complementary and Alternative Medicine, 2015, 15, 71.	3.7	4
216	The many roads to mitochondrial dysfunction in neuroimmune and neuropsychiatric disorders. BMC Medicine, 2015, 13, 68.	2.3	186
217	Clinical trials of N-acetylcysteine in psychiatry and neurology: A systematic review. Neuroscience and Biobehavioral Reviews, 2015, 55, 294-321.	2.9	350

#	ARTICLE	IF	CITATIONS
218	Microbiome Disturbances and Autism Spectrum Disorders. <i>Drug Metabolism and Disposition</i> , 2015, 43, 1557-1571.	1.7	191
219	N-Acetylcysteine as an Adjunctive Therapy to Risperidone for Treatment of Irritability in Autism. <i>Clinical Neuropharmacology</i> , 2015, 38, 11-17.	0.2	86
220	Redox Activity of Oxidative Stress-Damping Endogenous Thiol Biomolecules. <i>ACS Symposium Series</i> , 2015, , 329-351.	0.5	0
221	Oxidative Stress and Human Health. <i>ACS Symposium Series</i> , 2015, , 1-33.	0.5	5
222	Neurobehavioural abnormalities induced by repeated exposure of neonatal rats to sevoflurane can be aggravated by social isolation and enrichment deprivation initiated after exposure to the anaesthetic. <i>British Journal of Anaesthesia</i> , 2015, 115, 752-760.	1.5	41
223	Synergic effect of GSTP1 and blood manganese concentrations in Autism Spectrum Disorder. <i>Research in Autism Spectrum Disorders</i> , 2015, 18, 73-82.	0.8	30
224	The complex genetics in autism spectrum disorders. <i>Science China Life Sciences</i> , 2015, 58, 933-945.	2.3	7
225	Glutamatergic synapse protein composition of wild-type mice is sensitive to in utero MTHFR genotype and the timing of neonatal vigabatrin exposure. <i>European Neuropsychopharmacology</i> , 2015, 25, 1787-1802.	0.3	4
226	Lack of Evidence for Genomic Instability in Autistic Children as Measured by the Cytokinesis-Block Micronucleus Cytome Assay. <i>Autism Research</i> , 2015, 8, 94-104.	2.1	19
227	A high sensitive electrochemical nanosensor for simultaneous determination of glutathione, NADH and folic acid. <i>Materials Science and Engineering C</i> , 2015, 47, 77-84.	3.8	48
228	Complementary and Alternative Medicine Treatments for Children with Autism Spectrum Disorders. <i>Child and Adolescent Psychiatric Clinics of North America</i> , 2015, 24, 117-143.	1.0	58
229	Weak association of glyoxalase 1 (GLO1) variants with autism spectrum disorder. <i>European Child and Adolescent Psychiatry</i> , 2015, 24, 75-82.	2.8	12
230	Alternatively Spliced Methionine Synthase in SH-SY5Y Neuroblastoma Cells: Cobalamin and GSH Dependence and Inhibitory Effects of Neurotoxic Metals and Thimerosal. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-11.	1.9	18
231	Tryptophan Biochemistry: Structural, Nutritional, Metabolic, and Medical Aspects in Humans. <i>Journal of Amino Acids</i> , 2016, 2016, 1-13.	5.8	212
232	Blocking and Binding Folate Receptor Alpha Autoantibodies Identify Novel Autism Spectrum Disorder Subgroups. <i>Frontiers in Neuroscience</i> , 2016, 10, 80.	1.4	51
233	A Study of Single Nucleotide Polymorphisms of the SLC19A1/RFC1 Gene in Subjects with Autism Spectrum Disorder. <i>International Journal of Molecular Sciences</i> , 2016, 17, 772.	1.8	14
234	Decreased Brain Levels of Vitamin B12 in Aging, Autism and Schizophrenia. <i>PLoS ONE</i> , 2016, 11, e0146797.	1.1	114
235	New Perspective on Impact of Folic Acid Supplementation during Pregnancy on Neurodevelopment/Autism in the Offspring Children – A Systematic Review. <i>PLoS ONE</i> , 2016, 11, e0165626.	1.1	92

#	ARTICLE	IF	CITATIONS
236	Catechol-O-methyltransferase val158met Polymorphism Interacts with Sex to Affect Face Recognition Ability. <i>Frontiers in Psychology</i> , 2016, 7, 965.	1.1	5
237	Aggression in autism spectrum disorder: presentation and treatment options. <i>Neuropsychiatric Disease and Treatment</i> , 2016, Volume 12, 1525-1538.	1.0	118
238	Enteric Ecosystem Disruption in Autism Spectrum Disorder: Can the Microbiota and Macrobiota be Restored?. <i>Current Pharmaceutical Design</i> , 2016, 22, 6107-6121.	0.9	18
239	Influence of Folic Acid on Neural Connectivity during Dorsal Root Ganglion Neurogenesis. <i>Cells Tissues Organs</i> , 2016, 201, 342-353.	1.3	11
240	Chromatographic and mass spectrometric techniques in studies on oxidative stress in autism. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1019, 4-14.	1.2	10
241	The basis for folinic acid treatment in neuro-psychiatric disorders. <i>Biochimie</i> , 2016, 126, 79-90.	1.3	36
242	The landscape of DNA methylation amid a perfect storm of autism aetiologies. <i>Nature Reviews Neuroscience</i> , 2016, 17, 411-423.	4.9	139
243	Discovery of biochemical biomarkers for aggression: A role for metabolomics in psychiatry. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2016, 171, 719-732.	1.1	42
244	Clinical utility of folate pathway genetic polymorphisms in the diagnosis of autism spectrum disorders. <i>Psychiatric Genetics</i> , 2016, 26, 281-286.	0.6	47
245	Identification and Treatment of Pathophysiological Comorbidities of Autism Spectrum Disorder to Achieve Optimal Outcomes. <i>Clinical Medicine Insights Pediatrics</i> , 2016, 10, CMPed.S38337.	0.7	73
246	The relationship between mercury and autism: A comprehensive review and discussion. <i>Journal of Trace Elements in Medicine and Biology</i> , 2016, 37, 8-24.	1.5	99
247	A randomized placebo-controlled pilot study of N-acetylcysteine in youth with autism spectrum disorder. <i>Molecular Autism</i> , 2016, 7, 26.	2.6	79
248	Low-level lead exposure and autistic behaviors in school-age children. <i>NeuroToxicology</i> , 2016, 53, 193-200.	1.4	34
249	Randomized, Placebo-Controlled Trial of Methyl B12 for Children with Autism. <i>Journal of Child and Adolescent Psychopharmacology</i> , 2016, 26, 774-783.	0.7	93
250	Transferrin receptor regulates pancreatic cancer growth by modulating mitochondrial respiration and ROS generation. <i>Biochemical and Biophysical Research Communications</i> , 2016, 471, 373-379.	1.0	89
251	Association of methylenetetrahydrofolate reductase (MTHFR) gene C677T polymorphism with autism: evidence of genetic susceptibility. <i>Metabolic Brain Disease</i> , 2016, 31, 727-735.	1.4	66
252	Acid glycosaminoglycan (aGAG) excretion is increased in children with autism spectrum disorder, and it can be controlled by diet. <i>Metabolic Brain Disease</i> , 2016, 31, 273-278.	1.4	24
253	Olfactory stem cells reveal MOCOS as a new player in autism spectrum disorders. <i>Molecular Psychiatry</i> , 2016, 21, 1215-1224.	4.1	31

#	ARTICLE	IF	CITATIONS
254	Detection of Clostridium perfringens toxin genes in the gut microbiota of autistic children. Anaerobe, 2017, 45, 133-137.	1.0	84
255	Immunopathology of the Nervous System. Molecular and Integrative Toxicology, 2017, , 123-219.	0.5	0
256	Behavioral regression in 2 patients with autism spectrum disorder and attention-deficit/hyperactivity disorder after oral surgery performed with a general anesthetic. Journal of the American Dental Association, 2017, 148, 519-524.	0.7	6
257	Homocysteine and Psychiatric Disorders. FIRE Forum for International Research in Education, 2017, 5, 232640981770147.	0.7	4
258	Single Nucleotide Polymorphisms in SLC19A1 and SLC25A9 Are Associated with Childhood Autism Spectrum Disorder in the Chinese Han Population. Journal of Molecular Neuroscience, 2017, 62, 262-267.	1.1	12
259	The role of oxidative stress, inflammation and acetaminophen exposure from birth to early childhood in the induction of autism. Journal of International Medical Research, 2017, 45, 407-438.	0.4	63
260	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
261	Randomized trial of omega-3 for autism spectrum disorders: Effect on cell membrane composition and behavior. European Neuropsychopharmacology, 2017, 27, 1319-1330.	0.3	46
262	Novel biomarkers of metabolic dysfunction in autism spectrum disorder: potential for biological diagnostic markers. Metabolic Brain Disease, 2017, 32, 1983-1997.	1.4	66
263	Folate metabolism abnormalities in autism: potential biomarkers. Biomarkers in Medicine, 2017, 11, 687-699.	0.6	60
264	Floreszenzsonden mit mehreren Bindungsstellen unterscheiden zwischen Cys, Hcy und GSH. Angewandte Chemie, 2017, 129, 13368-13379.	1.6	39
265	Florescent Probes with Multiple Binding Sites for the Discrimination of Cys, Hcy, and GSH. Angewandte Chemie - International Edition, 2017, 56, 13188-13198.	7.2	385
266	Associations of endocrine stress-related gene polymorphisms with risk of autism spectrum disorders: Evidence from an integrated meta-analysis. Autism Research, 2017, 10, 1722-1736.	2.1	9
267	Individuals with autism have higher 8-Iso-PGF ₂ ± levels than controls, but no correlation with quantitative assay of Paraoxonase 1 serum levels. Metabolic Brain Disease, 2017, 32, 1943-1950.	1.4	3
268	Role of glutathione in the regulation of epigenetic mechanisms in disease. Free Radical Biology and Medicine, 2017, 112, 36-48.	1.3	84
269	Oxidative Stress Challenge Uncovers Trichloroacetaldehyde Hydrate-Induced Mitoplasticity in Autistic and Control Lymphoblastoid Cell Lines. Scientific Reports, 2017, 7, 4478.	1.6	29
270	On the Use of Multivariate Methods for Analysis of Data from Biological Networks. Processes, 2017, 5, 36.	1.3	14
271	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

#	ARTICLE	IF	CITATIONS
272	The Genetic and Epigenetic Basis Involved in the Pathophysiology of ASD: Therapeutic Implications. , 0, , .		1
273	Chinese children with autism: A multiple chemical elements profile in erythrocytes. <i>Autism Research</i> , 2018, 11, 834-845.	2.1	13
274	The assessment of serum omentin levels of children with autism spectrum disorder and attention-deficit/hyperactivity disorder. <i>Journal of Theoretical Social Psychology</i> , 2018, 28, 268-275.	1.2	3
275	Antipurinergic therapy for autismâ€”An in-depth review. <i>Mitochondrion</i> , 2018, 43, 1-15.	1.6	22
276	Periconceptual folate deficiency leads to autism-like traits in Wistar rat offspring. <i>Neurotoxicology and Teratology</i> , 2018, 66, 132-138.	1.2	17
277	Investigating plasma amino acids for differentiating individuals with autism spectrum disorder and typically developing peers. <i>Research in Autism Spectrum Disorders</i> , 2018, 50, 60-72.	0.8	15
278	Overexpression of LINE-1 Retrotransposons in Autism Brain. <i>Molecular Neurobiology</i> , 2018, 55, 1740-1749.	1.9	65
279	The Putative Role of Environmental Mercury in the Pathogenesis and Pathophysiology of Autism Spectrum Disorders and Subtypes. <i>Molecular Neurobiology</i> , 2018, 55, 4834-4856.	1.9	22
280	The Large Effect Size of Urinary Total Antioxidant Capacity in Behavioral Symptoms of Young Autistic Individuals: Comparison with Omega-3 Fatty Acid and Superoxide Dismutase in Plasma. <i>Journal of Child and Adolescent Behavior</i> , 2018, 06, .	0.2	0
281	Air pollution and autism in Denmark. <i>Environmental Epidemiology</i> , 2018, 2, e028.	1.4	55
282	Maternal and offspring methylenetetrahydrofolateâ€”reductase genotypes interact in a mouse model to induce autism spectrum disorderâ€”like behavior. <i>Genes, Brain and Behavior</i> , 2019, 18, e12547.	1.1	17
283	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.	1.8	19
284	Interaction between manganese and GSTP1 in relation to autism spectrum disorder while controlling for exposure to mixture of lead, mercury, arsenic, and cadmium. <i>Research in Autism Spectrum Disorders</i> , 2018, 55, 50-63.	0.8	18
285	Clinical and Molecular Characteristics of Mitochondrial Dysfunction in Autism Spectrum Disorder. <i>Molecular Diagnosis and Therapy</i> , 2018, 22, 571-593.	1.6	159
286	Comparison of Treatment for Metabolic Disorders Associated with Autism:Reanalysis of Three Clinical Trials. <i>Frontiers in Neuroscience</i> , 2018, 12, 19.	1.4	17
287	Betaine in Cereal Grains and Grain-Based Products. <i>Foods</i> , 2018, 7, 49.	1.9	37
288	Current Knowledge on Endocrine Disrupting Chemicals (EDCs) from Animal Biology to Humans, from Pregnancy to Adulthood: Highlights from a National Italian Meeting. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1647.	1.8	178
289	Comprehensive Nutritional and Dietary Intervention for Autism Spectrum Disorderâ€”A Randomized, Controlled 12-Month Trial. <i>Nutrients</i> , 2018, 10, 369.	1.7	126

#	ARTICLE	IF	CITATIONS
290	Social Skills Deficits in Autism Spectrum Disorder: Potential Biological Origins and Progress in Developing Therapeutic Agents. <i>CNS Drugs</i> , 2018, 32, 713-734.	2.7	84
291	Association Study of Polymorphisms in Genes Relevant to Vitamin B12 and Folate Metabolism with Childhood Autism Spectrum Disorder in a Han Chinese Population. <i>Medical Science Monitor</i> , 2018, 24, 370-376.	0.5	20
292	Linking genetics to epigenetics: The role of folate and folate-related pathways in neurodevelopmental disorders. <i>Clinical Genetics</i> , 2019, 95, 241-252.	1.0	32
293	Improving Outcome in Infantile Autism with Folate Receptor Autoimmunity and Nutritional Derangements: A Self-Controlled Trial. <i>Autism Research & Treatment</i> , 2019, 2019, 1-12.	0.1	18
294	Association of MTHFR 677C>T and 1298A>C polymorphisms with susceptibility to autism: A systematic review and meta-analysis. <i>Asian Journal of Psychiatry</i> , 2019, 46, 54-61.	0.9	27
295	Urinary Markers of Oxidative Stress in Children with Autism Spectrum Disorder (ASD). <i>Antioxidants</i> , 2019, 8, 187.	2.2	25
296	Prenatal Nutritional Intervention Reduces Autistic-Like Behavior Rates Among Mthfr-Deficient Mice. <i>Frontiers in Neuroscience</i> , 2019, 13, 383.	1.4	12
297	Interaction of glutathione S-transferase polymorphisms and tobacco smoking during pregnancy in susceptibility to autism spectrum disorders. <i>Scientific Reports</i> , 2019, 9, 3206.	1.6	12
298	Maternal multivitamin supplementation is associated with a reduced risk of autism spectrum disorder in children: a systematic review and meta-analysis. <i>Nutrition Research</i> , 2019, 65, 4-16.	1.3	9
299	Chronic exposure to xenobiotic pollution leads to significantly higher total glutathione and lower reduced to oxidized glutathione ratio in red blood cells of children with autism. <i>Free Radical Biology and Medicine</i> , 2019, 134, 666-677.	1.3	11
300	Emerging biomarkers in autism spectrum disorder: a systematic review. <i>Annals of Translational Medicine</i> , 2019, 7, 792-792.	0.7	99
301	Down syndrome as a genetic model to evaluate the role of oxidative stress and transsulfuration abnormalities in autism spectrum disorder: A 10-year longitudinal cohort study. <i>Developmental Neurobiology</i> , 2019, 79, 857-867.	1.5	8
302	Mitochondria, Metabolism, and Redox Mechanisms in Psychiatric Disorders. <i>Antioxidants and Redox Signaling</i> , 2019, 31, 275-317.	2.5	112
303	Possible Metabolic Alterations among Autistic Male Children: Clinical and Biochemical Approaches. <i>Journal of Molecular Neuroscience</i> , 2019, 67, 204-216.	1.1	40
304	Mitochondrial function and abnormalities implicated in the pathogenesis of ASD. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2019, 92, 83-108.	2.5	55
305	The Role of Vitamins in Autism Spectrum Disorder: What Do We Know?. <i>Journal of Molecular Neuroscience</i> , 2019, 67, 373-387.	1.1	37
306	Fisher discriminant analysis for classification of autism spectrum disorders based on folate-related metabolism markers. <i>Journal of Nutritional Biochemistry</i> , 2019, 64, 25-31.	1.9	25
307	Oxidative Stress in Psychiatric Disorders. , 2019, , 53-72.		3

#	ARTICLE	IF	CITATIONS
308	Autistic traits and components of the folate metabolic system: an explorative analysis in the eastern Indian ASD subjects. <i>Nutritional Neuroscience</i> , 2020, 23, 860-867.	1.5	6
309	Propionic acid induced behavioural effects of relevance to autism spectrum disorder evaluated in the hole board test with rats. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2020, 97, 109794.	2.5	29
310	Nutritional interventions for autism spectrum disorder. <i>Nutrition Reviews</i> , 2020, 78, 515-531.	2.6	58
311	Association between MTHFR gene polymorphism and susceptibility to autism spectrum disorders: Systematic review and meta-analysis. <i>Research in Autism Spectrum Disorders</i> , 2020, 70, 101473.	0.8	8
312	Untargeted Metabolomic Profiling Using UHPLC-QTOF/MS Reveals Metabolic Alterations Associated with Autism. <i>BioMed Research International</i> , 2020, 2020, 1-8.	0.9	17
313	Association between MTHFR C677T/A1298C and susceptibility to autism spectrum disorders: a meta-analysis. <i>BMC Pediatrics</i> , 2020, 20, 449.	0.7	34
314	Treatment of Folate Metabolism Abnormalities in Autism Spectrum Disorder. <i>Seminars in Pediatric Neurology</i> , 2020, 35, 100835.	1.0	20
315	Folinic Acid as Adjunctive Therapy in Treatment of Inappropriate Speech in Children with Autism: A Double-Blind and Placebo-Controlled Randomized Trial. <i>Child Psychiatry and Human Development</i> , 2021, 52, 928-938.	1.1	13
316	Blood homocysteine levels in children with autism spectrum disorder: An updated systematic review and meta-analysis. <i>Psychiatry Research</i> , 2020, 291, 113283.	1.7	19
317	Molecular and biological functions of resveratrol in psychiatric disorders: a review of recent evidence. <i>Cell and Bioscience</i> , 2020, 10, 128.	2.1	23
318	Associations between urinary biomarkers of oxidative stress in the third trimester of pregnancy and behavioral outcomes in the child at 4Åyears of age. <i>Brain, Behavior, and Immunity</i> , 2020, 90, 272-278.	2.0	12
319	Natural Antioxidants: A Novel Therapeutic Approach to Autism Spectrum Disorders?. <i>Antioxidants</i> , 2020, 9, 1186.	2.2	31
320	An Overview of the Main Genetic, Epigenetic and Environmental Factors Involved in Autism Spectrum Disorder Focusing on Synaptic Activity. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8290.	1.8	110
321	Oxidative stress, metabolic and mitochondrial abnormalities associated with autism spectrum disorder. <i>Progress in Molecular Biology and Translational Science</i> , 2020, 173, 331-354.	0.9	14
322	Role of environmental factors and epigenetics in autism spectrum disorders. <i>Progress in Molecular Biology and Translational Science</i> , 2020, 173, 35-60.	0.9	22
323	The role of glutathione redox imbalance in autism spectrum disorder: A review. <i>Free Radical Biology and Medicine</i> , 2020, 160, 149-162.	1.3	84
324	Interaction between a mixture of heavy metals (lead, mercury, arsenic, cadmium, manganese, aluminum) and GSTP1, GSTT1, and GSTM1 in relation to autism spectrum disorder. <i>Research in Autism Spectrum Disorders</i> , 2020, 79, 101681.	0.8	20
325	Distinct Fecal and Plasma Metabolites in Children with Autism Spectrum Disorders and Their Modulation after Microbiota Transfer Therapy. <i>MSphere</i> , 2020, 5, .	1.3	67

#	ARTICLE	IF	CITATIONS
326	The influence of choline treatment on behavioral and neurochemical autistic-like phenotype in Mthfr-deficient mice. <i>Translational Psychiatry</i> , 2020, 10, 316.	2.4	20
327	Classification of autism spectrum disorder from blood metabolites: Robustness to the presence of co-occurring conditions. <i>Research in Autism Spectrum Disorders</i> , 2020, 77, 101644.	0.8	3
328	Oxidative Stress, Folate Receptor Autoimmunity, and CSF Findings in Severe Infantile Autism. <i>Autism Research & Treatment</i> , 2020, 2020, 1-14.	0.1	17
329	Oxidative Stress and Immune System Dysfunction in Autism Spectrum Disorders. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3293.	1.8	119
330	Choline, Neurological Development and Brain Function: A Systematic Review Focusing on the First 1000 Days. <i>Nutrients</i> , 2020, 12, 1731.	1.7	66
331	Blood biomarker levels of methylation capacity in autism spectrum disorder: a systematic review and meta-analysis. <i>Acta Psychiatrica Scandinavica</i> , 2020, 141, 492-509.	2.2	15
332	BODIPY-based Fluorescent Probe for the Detection of Cysteine in Living Cells. <i>Analytical Sciences</i> , 2020, 36, 1317-1322.	0.8	5
333	Resveratrol in Autism Spectrum Disorders: Behavioral and Molecular Effects. <i>Antioxidants</i> , 2020, 9, 188.	2.2	17
334	Oxidative Stress in Autism Spectrum Disorder. <i>Molecular Neurobiology</i> , 2020, 57, 2314-2332.	1.9	159
335	How Robust is the Evidence for a Role of Oxidative Stress in Autism Spectrum Disorders and Intellectual Disabilities?. <i>Journal of Autism and Developmental Disorders</i> , 2021, 51, 1428-1445.	1.7	6
336	An Investigation of the Dynamic Thiol/Disulfide Homeostasis, As a Novel Oxidative Stress Plasma Biomarker, in Children With Autism Spectrum Disorders. <i>Autism Research</i> , 2021, 14, 473-487.	2.1	7
337	NOX1/NADPH oxidase affects the development of autism-like behaviors in a maternal immune activation model. <i>Biochemical and Biophysical Research Communications</i> , 2021, 534, 59-66.	1.0	10
338	Interaction of Blood Manganese Concentrations with GSTT1 in Relation to Autism Spectrum Disorder in Jamaican Children. <i>Journal of Autism and Developmental Disorders</i> , 2021, 51, 1953-1965.	1.7	5
339	The Synaptic Dysregulation in Adolescent Rats Exposed to Maternal Immune Activation. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 555290.	1.4	13
340	Association Study of MTHFR C677T Polymorphism and Birth Body Mass With Risk of Autism in Chinese Han Population. <i>Frontiers in Psychiatry</i> , 2021, 12, 560948.	1.3	0
341	Associations of Metabolic Genes (GSTT1, GSTP1, GSTM1) and Blood Mercury Concentrations Differ in Jamaican Children with and without Autism Spectrum Disorder. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 1377.	1.2	10
343	Beneficial Effects of Milk Having A2 β -Casein Protein: Myth or Reality?. <i>Journal of Nutrition</i> , 2021, 151, 1061-1072.	1.3	34
344	Association Between MTHFR C677T Polymorphism and Susceptibility to Autism Spectrum Disorders: A Meta-Analysis in Chinese Han Population. <i>Frontiers in Pediatrics</i> , 2021, 9, 598805.	0.9	6

#	ARTICLE	IF	CITATIONS
345	DIP2A is involved in SOD-mediated antioxidative reactions in murine brain. <i>Free Radical Biology and Medicine</i> , 2021, 168, 6-15.	1.3	13
346	Genetics and Epigenetics of One-Carbon Metabolism Pathway in Autism Spectrum Disorder: A Sex-Specific Brain Epigenome?. <i>Genes</i> , 2021, 12, 782.	1.0	22
347	Sulfur amino acid metabolism and related metabotypes of autism spectrum disorder: A review of biochemical evidence for a hypothesis. <i>Biochimie</i> , 2021, 184, 143-157.	1.3	13
348	Glutathione S-Transferase Polymorphisms and Clinical Characteristics in Autism Spectrum Disorders. <i>Frontiers in Psychiatry</i> , 2021, 12, 672389.	1.3	4
349	Role of microbiota-derived short-chain fatty acids in nervous system disorders. <i>Biomedicine and Pharmacotherapy</i> , 2021, 139, 111661.	2.5	106
350	Potential Novel Therapies for Neurodevelopmental Diseases Targeting Oxidative Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-13.	1.9	7
351	Gene-Environment Interactions in Developmental Neurotoxicity: a Case Study of Synergy between Chlorpyrifos and CHD8 Knockout in Human Brain Spheres. <i>Environmental Health Perspectives</i> , 2021, 129, 77001.	2.8	41
352	The Effectiveness of Cobalamin (B12) Treatment for Autism Spectrum Disorder: A Systematic Review and Meta-Analysis. <i>Journal of Personalized Medicine</i> , 2021, 11, 784.	1.1	22
353	Ratings of the Effectiveness of Nutraceuticals for Autism Spectrum Disorders: Results of a National Survey. <i>Journal of Personalized Medicine</i> , 2021, 11, 878.	1.1	7
354	Part I. Mechanisms of actions and metabolism of acetaminophen related to the neonatal brain. <i>Early Human Development</i> , 2021, 159, 105406.	0.8	1
355	Concentrations of Lead, Mercury, Arsenic, Cadmium, Manganese, and Aluminum in the Blood of Pakistani Children with and without Autism Spectrum Disorder and Their Associated Factors. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 8625.	1.2	9
356	The Alteration of Chloride Homeostasis/GABAergic Signaling in Brain Disorders: Could Oxidative Stress Play a Role?. <i>Antioxidants</i> , 2021, 10, 1316.	2.2	11
357	Improving Antioxidant Capacity in Children With Autism: A Randomized, Double-Blind Controlled Study With Cysteine-Rich Whey Protein. <i>Frontiers in Psychiatry</i> , 2021, 12, 669089.	1.3	6
358	Trace elements in children with autism spectrum disorder: A meta-analysis based on case-control studies. <i>Journal of Trace Elements in Medicine and Biology</i> , 2021, 67, 126782.	1.5	40
359	Heavy metals and trace elements in scalp hair samples of children with severe autism spectrum disorder: A case-control study on Jordanian children. <i>Journal of Trace Elements in Medicine and Biology</i> , 2021, 67, 126790.	1.5	18
360	Autism spectrum disorder: Trace elements imbalances and the pathogenesis and severity of autistic symptoms. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 129, 117-132.	2.9	40
361	Urinary Porphyrins in Autism Spectrum Disorders. , 2014, , 1333-1348.		1
362	Redox/Methylation Theory and Autism. , 2014, , 1389-1410.		3

#	ARTICLE	IF	CITATIONS
363	Contribution of Oxidative Stress to the Pathophysiology of Autism Spectrum Disorders: Impact of Genetic and Environmental Factors. <i>Oxidative Stress in Applied Basic Research and Clinical Practice</i> , 2015, , 89-120.	0.4	3
364	Oxidative Stress and the Metabolic Pathology of Autism. , 2008, , 245-268.		12
365	An Expanding Spectrum of Autism Models. , 2008, , 429-463.		3
366	Epigenetics in Psychiatry. , 2011, , 163-174.		4
367	Challenge and Potential for Research on Gene-Environment Interactions in Autism Spectrum Disorder. , 2017, , 157-176.		1
368	Psychopharmacology of Neurodevelopmental Disorders in Children. , 2016, , 325-362.		3
369	Evolving Understanding of the Relationship Between Mercury Exposure and Autism. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2011, , 65-84.	0.1	6
370	Nutritional and environmental contributions to autism spectrum disorders: Focus on nutrigenomics as complementary therapy. <i>International Journal for Vitamin and Nutrition Research</i> , 2022, 92, 248-266.	0.6	5
372	The Role of Thiamine in Autism. <i>American Journal of Psychiatry and Neuroscience</i> , 2013, 1, 22.	0.0	6
374	Evidence for Oxidative Damage in the Autistic Brain. , 2009, , 35-46.		4
375	AMERICA'S CHILDREN AND THE ENVIRONMENT: NEURODEVELOPMENTAL DISORDERS (EXCERPT FROM THE) Tj ETQq0 0,0 rgBT /Ov		
376	Autism spectrum disorder (ASD) – biomarkers of oxidative stress and methylation and transsulfuration cycle. <i>Psychiatria Polska</i> , 2019, 53, 771-788.	0.2	16
377	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.	1.1	139
378	Significant Association of Urinary Toxic Metals and Autism-Related Symptoms – A Nonlinear Statistical Analysis with Cross Validation. <i>PLoS ONE</i> , 2017, 12, e0169526.	1.1	30
379	A focus on homocysteine in autism.. <i>Acta Biochimica Polonica</i> , 2013, 60, .	0.3	51
380	Genetic regulatory subnetworks and key regulating genes in rat hippocampus perturbed by prenatal malnutrition: implications for major brain disorders. <i>Ageing</i> , 2020, 12, 8434-8458.	1.4	63
381	Evaluation of Auditory Attention and Memory Skills in Autistic Children after Hyperbaric O2 Treatment. <i>Egyptian Journal of Ear, Nose, Throat and Allied Sciences</i> , 2019, 20, 60-66.	0.0	2
382	Role of Vitamin D in Autism Spectrum Disorder. <i>Current Pharmaceutical Design</i> , 2020, 25, 4357-4367.	0.9	9

#	ARTICLE	IF	CITATIONS
383	Targeted Biomedical Treatment for Autism Spectrum Disorders. <i>Current Pharmaceutical Design</i> , 2020, 25, 4430-4453.	0.9	11
384	Autism, Mitochondria and Polybrominated Diphenyl Ether Exposure. <i>CNS and Neurological Disorders - Drug Targets</i> , 2016, 15, 614-623.	0.8	14
386	Red-Cell Trace Minerals in Children with Autism. <i>American Journal of Biochemistry and Biotechnology</i> , 2008, 4, 101-104.	0.1	40
387	Altered Sulfur Amino Acid Metabolism In Immune Cells of Children Diagnosed With Autism. <i>American Journal of Biochemistry and Biotechnology</i> , 2008, 4, 105-113.	0.1	33
388	A Microscopic Study of Language-Related Cortex in Autism. <i>American Journal of Biochemistry and Biotechnology</i> , 2008, 4, 130-145.	0.1	41
389	Environmental Factors and Limbic Vulnerability in Childhood Autism. <i>American Journal of Biochemistry and Biotechnology</i> , 2008, 4, 183-197.	0.1	3
390	The Autistic Phenotype Exhibits a Remarkably Localized Modification of Brain Protein by Products of Free Radical-Induced Lipid Oxidation. <i>American Journal of Biochemistry and Biotechnology</i> , 2008, 4, 61-72.	0.1	47
391	Oxidative Stress in Autism: Elevated Cerebellar 3-nitrotyrosine Levels. <i>American Journal of Biochemistry and Biotechnology</i> , 2008, 4, 73-84.	0.1	70
392	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.	0.1	23
393	Biochemical Effects of Ribose and NADH Therapy in Children with Autism. <i>Autism Insights</i> , 0, , 3.	0.0	5
394	Nutrient Intake among Children with Autism. , 2012, 02, .		10
395	Purine metabolism and oxidative stress in children with autistic spectrum disorders. <i>Journal of Experimental and Integrative Medicine</i> , 2013, 3, 293.	0.1	3
396	Detection of Oxidative Stress Biomarkers Using Novel Nanostructured Biosensors. , 0, , .		1
398	Autism Disease: Neural Network Going Awry and Therapeutic Strategy Underlying Neural Plasticity. <i>North American Journal of Medicine & Science</i> , 2011, 4, 139.	3.8	1
399	A Prospective Study of Oxidative Stress Biomarkers in Autistic Disorders. <i>E-Journal of Applied Psychology</i> , 2009, 5, 2-10.	0.3	17
400	Multifactorial Causation of Spina Bifida and Its Prevention. <i>Japanese Journal of Neurosurgery</i> , 2013, 22, 256-268.	0.0	1
401	Dietary Patterns, Eating Behavior, and Nutrient Intakes of Spanish Preschool Children with Autism Spectrum Disorders. <i>Nutrients</i> , 2021, 13, 3551.	1.7	19
402	Mitochondrial morphology is associated with respiratory chain uncoupling in autism spectrum disorder. <i>Translational Psychiatry</i> , 2021, 11, 527.	2.4	16

#	ARTICLE	IF	CITATIONS
403	The Genetics, Epigenetics and Proteomics of Asperger's Disorder. Medical Psychiatry, 2008, , 171-204.	0.2	0
404	The Gene-Environment Interaction in Asperger's Disorder. Medical Psychiatry, 2008, , 205-232.	0.2	0
405	Oxidative Stress and Neurotrophin Signaling in Autism. , 2009, , 47-60.		2
406	Possible Mechanism Involving Intestinal Oxytocin, Oxidative Stress, and Signaling Pathways in a Subset of Autism with Gut Symptoms. , 2009, , 299-314.		1
407	Paraoxonase 1 Status, Environmental Exposures, and Oxidative Stress in Autism Spectrum Disorders. , 2009, , 91-112.		0
408	Mitochondrial Component of Calcium Signaling Abnormality in Autism. , 2009, , 207-224.		5
409	Possible Impact of Innate Immunity on Autism. , 2009, , 245-275.		0
410	The Redox/Methylation Hypothesis of Autism. , 2009, , 113-130.		3
411	Oxidative Stress in Autism and Its Implications for Dopamine-Stimulated Phospholipid Methylation. , 2010, , 185-199.		0
414	Complementary Medicine Products Used in Autism - Evidence for Rationale. , 0, ,		0
415	A Call for Action: Recognizing and Treating Medical Problems of Children with Autism. North American Journal of Medicine & Science, 2012, 5, 180.	3.8	2
416	Environmental Toxicants and Autism Spectrum Disorders. Autism-open Access, 2012, 02, ,	0.2	0
417	Adenosine and Autism: Physiological Symptoms and Metabolic Opportunities. , 2013, , 513-533.		0
418	Homocysteine Metabolism. , 2013, , 488-504.		0
419	The Role of Beta ² -Adrenergic Receptor Blockers in Autism. American Journal of Psychiatry and Neuroscience, 2013, 1, 14.	0.0	1
420	Achieving Optimal Outcomes in Autism: Treating Potentially Reversible Conditions Associated with Autism Spectrum Disorder. , 2014, , 557-582.		0
421	Role of Environmental Exposure to Toxins and Microbial Infections in Autism. Autism Insights, 0, , 15.	0.0	0
422	Ultrasound and Autism: How Disrupted Redox Homeostasis and Transient Membrane Porosity Confer Risk. Oxidative Stress in Applied Basic Research and Clinical Practice, 2015, , 373-392.	0.4	0

#	ARTICLE	IF	CITATIONS
423	Animal Model of Autistic Regression: Link to Toxicant-Induced Oxidative Stress. <i>Oxidative Stress in Applied Basic Research and Clinical Practice</i> , 2015, , 393-416.	0.4	1
424	Increased Vulnerability to Oxidative Stress and Mitochondrial Dysfunction in Autism. <i>Contemporary Clinical Neuroscience</i> , 2015, , 407-425.	0.3	4
425	Nutrition as an Important Mediator of the Impact of Background Variables on Outcome in Middle Childhood. , 2015, , 197-222.		0
426	COMPARATIVE STUDIES ON ANTIOXIDANT AND THROMBOLYTIC ACTIVITIES OF METHANOL AND ETHYLACETATE EXTRACTS OF TREMA ORIENTALIS. <i>International Journal of Innovations in Biological and Chemical Science</i> , 0, 9, 47-51.	0.0	2
427	Autism spectrum disorder and mercury toxicity: use of genomic and epigenetic methods to solve the etiologic puzzle. <i>Acta Neurobiologiae Experimentalis</i> , 2019, 79, 113-125.	0.4	4
428	Putative shared mechanisms in autism spectrum disorders and attention deficit hyperactivity disorder, a systematic review of the role of oxidative stress. <i>Acta Neurobiologiae Experimentalis</i> , 2020, 80, 129-138.	0.4	2
429	Urinary Porphyrins for the Detection of Heavy Metal and Toxic Chemical Exposure. , 2020, , 245-247.e2.		0
430	The Effect of Moringa Oleifera Leaves Powder to Level of Serum Superoxide Dismutase (SOD), Lead (Pb), Zink (Zn) and Memory Function of Rat (<i>Rattus norvegicus</i>) Wistar Strain Model of Autism that is Exposed by Pb. <i>Research Journal of Life Science</i> , 2020, 7, 52-61.	0.1	1
432	Homocysteine Metabolism. , 2020, , 985-998.e4.		0
433	Overview of Nutritional Therapy for Autism Spectrum Disorder. <i>Advances in Neurobiology</i> , 2020, 24, 527-534.	1.3	3
434	Nutritional and Metabolic Biomarkers in Autism Spectrum Disorders: An Exploratory Study. <i>Integrative Medicine</i> , 2015, 14, 40-53.	0.1	9
437	Antioxidant interventions in autism spectrum disorders: A meta-analysis. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2022, 113, 110476.	2.5	16
438	Leaky gut biomarkers in casein- and gluten-rich diet fed rat model of autism. <i>Translational Neuroscience</i> , 2021, 12, 601-610.	0.7	7
439	Association of autism with toxic metals: A systematic review of case-control studies. <i>Pharmacology Biochemistry and Behavior</i> , 2022, 212, 173313.	1.3	15
440	Invited Perspective: Air Pollution and Autism Spectrum Disorder: Are We There Yet?. <i>Environmental Health Perspectives</i> , 2022, 130, 11303.	2.8	2
441	Evidence of susceptibility to autism risks associated with early life ambient air pollution: A systematic review. <i>Environmental Research</i> , 2022, 208, 112590.	3.7	16
443	Oxidative Stress in Autism Spectrum Disorderâ€™ Current Progress of Mechanisms and Biomarkers. <i>Frontiers in Psychiatry</i> , 2022, 13, 813304.	1.3	39
444	Central Nervous System Metabolism in Autism, Epilepsy and Developmental Delays: A Cerebrospinal Fluid Analysis. <i>Metabolites</i> , 2022, 12, 371.	1.3	8

#	ARTICLE	IF	CITATIONS
450	A Review on Autism Spectrum Disorder: Pathogenesis, Biomarkers, Pharmacological and Non-Pharmacological Interventions. <i>CNS and Neurological Disorders - Drug Targets</i> , 2023, 22, 659-677.	0.8	4
451	Improvement of the Clinical and Psychological Profile of Patients with Autism after Methylcobalamin Syrup Administration. <i>Nutrients</i> , 2022, 14, 2035.	1.7	3
452	Research Progress on the Role of Vitamin D in Autism Spectrum Disorder. <i>Frontiers in Behavioral Neuroscience</i> , 2022, 16, .	1.0	8
453	Altered Blood Brain Barrier Permeability and Oxidative Stress in <i>Cntnap2</i> Knockout Rat Model. <i>Journal of Clinical Medicine</i> , 2022, 11, 2725.	1.0	7
454	Detoxification Role of Metabolic Glutathione S-Transferase (GST) Genes in Blood Lead Concentrations of Jamaican Children with and without Autism Spectrum Disorder. <i>Genes</i> , 2022, 13, 975.	1.0	2
455	Does pica potentiate autism?: developing a research agenda. <i>Journal of Pediatrics & Neonatal Care</i> , 2022, 12, 72-75.	0.0	0
456	How Is CYP17A1 Activity Altered in Autism? A Pilot Study to Identify Potential Pharmacological Targets. <i>Life</i> , 2022, 12, 867.	1.1	1
457	Examining associations between prenatal biomarkers of oxidative stress and ASD-related outcomes using quantile regression. <i>Journal of Autism and Developmental Disorders</i> , 2023, 53, 2975-2985.	1.7	3
458	Modern Biomarkers for Autism Spectrum Disorder: Future Directions. <i>Molecular Diagnosis and Therapy</i> , 2022, 26, 483-495.	1.6	18
459	Differential effect of folate metabolic system genetic variants on attention deficit hyperactivity disorder severity. , 2022, 34, 201096.		1
460	Re-emerging concepts of immune dysregulation in autism spectrum disorders. <i>Frontiers in Psychiatry</i> , 0, 13, .	1.3	8
461	Vitamin/mineral/micronutrient supplement for autism spectrum disorders: a research survey. <i>BMC Pediatrics</i> , 2022, 22, .	0.7	8
462	Repurposing SGLT2 Inhibitors for Neurological Disorders: A Focus on the Autism Spectrum Disorder. <i>Molecules</i> , 2022, 27, 7174.	1.7	6
463	Association of NGF and Mitochondrial Respiration with Autism Spectrum Disorder. <i>International Journal of Molecular Sciences</i> , 2022, 23, 11917.	1.8	5
464	Metabolomic Signatures of Autism Spectrum Disorder. <i>Journal of Personalized Medicine</i> , 2022, 12, 1727.	1.1	8
465	Molecularly tracing of children exposure pathways to environmental organic pollutants and the Autism Spectrum Disorder Risk. <i>Environmental Pollution</i> , 2022, 315, 120381.	3.7	7
466	A systematic literature review on the association between exposures to toxic elements and an autism spectrum disorder. <i>Science of the Total Environment</i> , 2023, 857, 159246.	3.9	14
467	Biomedical knowledge graph embeddings for personalized medicine: Predicting disease-gene associations. <i>Expert Systems</i> , 2023, 40, .	2.9	5

#	ARTICLE	IF	CITATIONS
468	Treatment of Autism Spectrum Disorders by Mitochondrial-targeted Drug: Future of Neurological Diseases Therapeutics. <i>Current Neuropharmacology</i> , 2023, 21, 1042-1064.	1.4	3
469	The Soluble Folate Receptor in Autism Spectrum Disorder: Relation to Autism Severity and Leucovorin Treatment. <i>Journal of Personalized Medicine</i> , 2022, 12, 2033.	1.1	2
470	The Rationale for Vitamin, Mineral, and Cofactor Treatment in the Precision Medical Care of Autism Spectrum Disorder. <i>Journal of Personalized Medicine</i> , 2023, 13, 252.	1.1	13
471	Plasma Amino Acid Profile in Children with Autism Spectrum Disorder in Southern China: Analysis of 110 Cases. <i>Journal of Autism and Developmental Disorders</i> , 0, , .	1.7	6
472	The effect of nutritional interventions reducing oxidative stress on behavioural and gastrointestinal problems in autism spectrum disorder. <i>International Journal of Developmental Neuroscience</i> , 2023, 83, 135-164.	0.7	0
473	Biochemical, Genetic and Clinical Diagnostic Approaches to Autism-Associated Inherited Metabolic Disorders. <i>Genes</i> , 2023, 14, 803.	1.0	3
474	Timokinonun Perinatal SÄ±ÄŞan Beyninde Valproik Asit Ä°ndÄ¼klÄ¼ Oksidatif Stres Äœzerine Etkileri. <i>Anatolian Journal of Botany</i> , 0, , .	0.5	0
491	Malnutrition-Induced Oxidative Stress in Nervous System and Its Health Implications. , 2023, , 263-280.		0