

Paul Ashwood

List of Publications by Year in descending order

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Version: 2024-02-01

113
papers

11,013
citations

24978

57
h-index

31759

101
g-index

118
all docs

118
docs citations

118
times ranked

7757
citing authors

#	ARTICLE	IF	CITATIONS
1	Elevated plasma cytokines in autism spectrum disorders provide evidence of immune dysfunction and are associated with impaired behavioral outcome. <i>Brain, Behavior, and Immunity</i> , 2011, 25, 40-45.	2.0	704
2	Consensus Paper: Pathological Role of the Cerebellum in Autism. <i>Cerebellum</i> , 2012, 11, 777-807.	1.4	577
3	The role of immune dysfunction in the pathophysiology of autism. <i>Brain, Behavior, and Immunity</i> , 2012, 26, 383-392.	2.0	530
4	The immune response in autism: a new frontier for autism research. <i>Journal of Leukocyte Biology</i> , 2006, 80, 1-15.	1.5	438
5	Increased midgestational IFN- γ , IL-4 and IL-5 in women bearing a child with autism: A case-control study. <i>Molecular Autism</i> , 2011, 2, 13.	2.6	284
6	Differential monocyte responses to TLR ligands in children with autism spectrum disorders. <i>Brain, Behavior, and Immunity</i> , 2010, 24, 64-71.	2.0	246
7	Cytokine dysregulation in autism spectrum disorders (ASD): Possible role of the environment. <i>Neurotoxicology and Teratology</i> , 2013, 36, 67-81.	1.2	240
8	Associations of impaired behaviors with elevated plasma chemokines in autism spectrum disorders. <i>Journal of Neuroimmunology</i> , 2011, 232, 196-199.	1.1	235
9	Decreased transforming growth factor beta1 in autism: A potential link between immune dysregulation and impairment in clinical behavioral outcomes. <i>Journal of Neuroimmunology</i> , 2008, 204, 149-153.	1.1	221
10	Altered gene expression and function of peripheral blood natural killer cells in children with autism. <i>Brain, Behavior, and Immunity</i> , 2009, 23, 124-133.	2.0	217
11	Altered T cell responses in children with autism. <i>Brain, Behavior, and Immunity</i> , 2011, 25, 840-849.	2.0	217
12	Autism: Maternally derived antibodies specific for fetal brain proteins. <i>NeuroToxicology</i> , 2007, 29, 226-31.	1.4	216
13	Stereotypies and hyperactivity in rhesus monkeys exposed to IgG from mothers of children with autism. <i>Brain, Behavior, and Immunity</i> , 2008, 22, 806-816.	2.0	203
14	Altered monocyte responses to defined TLR ligands in patients with primary biliary cirrhosis. <i>Hepatology</i> , 2005, 42, 802-808.	3.6	181
15	Spontaneous Mucosal Lymphocyte Cytokine Profiles in Children with Autism and Gastrointestinal Symptoms: Mucosal Immune Activation and Reduced Counter Regulatory Interleukin-10. <i>Journal of Clinical Immunology</i> , 2004, 24, 664-673.	2.0	171
16	Neonatal Cytokine Profiles Associated With Autism Spectrum Disorder. <i>Biological Psychiatry</i> , 2017, 81, 442-451.	0.7	171
17	Immune activation of peripheral blood and mucosal CD3+ lymphocyte cytokine profiles in children with autism and gastrointestinal symptoms. <i>Journal of Neuroimmunology</i> , 2006, 173, 126-134.	1.1	170
18	Immune Dysfunction and Autoimmunity as Pathological Mechanisms in Autism Spectrum Disorders. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 405.	1.8	168

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19	Differential immune responses and microbiota profiles in children with autism spectrum disorders and co-morbid gastrointestinal symptoms. <i>Brain, Behavior, and Immunity</i> , 2018, 70, 354-368.	2.0	163
20	Reduced levels of immunoglobulin in children with autism correlates with behavioral symptoms. <i>Autism Research</i> , 2008, 1, 275-283.	2.1	161
21	Immunological and autoimmune considerations of Autism Spectrum Disorders. <i>Journal of Autoimmunity</i> , 2013, 44, 1-7.	3.0	159
22	Intestinal Lymphocyte Populations in Children with Regressive Autism: Evidence for Extensive Mucosal Immunopathology. <i>Journal of Clinical Immunology</i> , 2003, 23, 504-517.	2.0	156
23	The Gut Microbiota and Dysbiosis in Autism Spectrum Disorders. <i>Current Neurology and Neuroscience Reports</i> , 2018, 18, 81.	2.0	155
24	Maternal Mid-Pregnancy Autoantibodies to Fetal Brain Protein: The Early Markers for Autism Study. <i>Biological Psychiatry</i> , 2008, 64, 583-588.	0.7	154
25	Is autism an autoimmune disease?. <i>Autoimmunity Reviews</i> , 2004, 3, 557-562.	2.5	148
26	Detection of autoantibodies to neural cells of the cerebellum in the plasma of subjects with autism spectrum disorders. <i>Brain, Behavior, and Immunity</i> , 2009, 23, 64-74.	2.0	141
27	Immune Dysfunction in Autism: A Pathway to Treatment. <i>Neurotherapeutics</i> , 2010, 7, 283-292.	2.1	138
28	Evidence supporting an altered immune response in ASD. <i>Immunology Letters</i> , 2015, 163, 49-55.	1.1	137
29	Brain-specific Autoantibodies in the Plasma of Subjects with Autistic Spectrum Disorder. <i>Annals of the New York Academy of Sciences</i> , 2007, 1107, 92-103.	1.8	134
30	The Potential Role of Probiotics in the Management of Childhood Autism Spectrum Disorders. <i>Gastroenterology Research and Practice</i> , 2011, 2011, 1-8.	0.7	128
31	Transplantation of human cord blood mononuclear cells and umbilical cord-derived mesenchymal stem cells in autism. <i>Journal of Translational Medicine</i> , 2013, 11, 196.	1.8	128
32	Pilot study of probiotic/colostrum supplementation on gut function in children with autism and gastrointestinal symptoms. <i>PLoS ONE</i> , 2019, 14, e0210064.	1.1	126
33	Autoimmunity, Autoantibodies, and Autism Spectrum Disorder. <i>Biological Psychiatry</i> , 2017, 81, 383-390.	0.7	114
34	Autoantibodies to cerebellum in children with autism associate with behavior. <i>Brain, Behavior, and Immunity</i> , 2011, 25, 514-523.	2.0	111
35	In Search of Cellular Immunophenotypes in the Blood of Children with Autism. <i>PLoS ONE</i> , 2011, 6, e19299.	1.1	107
36	A Review of Autism and the Immune Response. <i>Clinical and Developmental Immunology</i> , 2004, 11, 165-174.	3.3	106

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37	Plasma and Fecal Metabolite Profiles in Autism Spectrum Disorder. <i>Biological Psychiatry</i> , 2021, 89, 451-462.	0.7	106
38	Immune Endophenotypes in Children With Autism Spectrum Disorder. <i>Biological Psychiatry</i> , 2017, 81, 434-441.	0.7	105
39	Cytokine alterations in first-episode schizophrenia and bipolar disorder: relationships to brain structure and symptoms. <i>Journal of Neuroinflammation</i> , 2018, 15, 165.	3.1	104
40	Neonatal cytokines and chemokines and risk of Autism Spectrum Disorder: the Early Markers for Autism (EMA) study: a case-control study. <i>Journal of Neuroinflammation</i> , 2014, 11, 113.	3.1	97
41	Long-term altered immune responses following fetal priming in a non-human primate model of maternal immune activation. <i>Brain, Behavior, and Immunity</i> , 2017, 63, 60-70.	2.0	97
42	Behavioral Correlates of Maternal Antibody Status Among Children with Autism. <i>Journal of Autism and Developmental Disorders</i> , 2012, 42, 1435-1445.	1.7	91
43	Maternal immune activation leads to activated inflammatory macrophages in offspring. <i>Brain, Behavior, and Immunity</i> , 2014, 38, 220-226.	2.0	89
44	Increased IgG4 levels in children with autism disorder. <i>Brain, Behavior, and Immunity</i> , 2009, 23, 389-395.	2.0	86
45	Autoantibodies in Autism Spectrum Disorders (ASD). <i>Annals of the New York Academy of Sciences</i> , 2007, 1107, 79-91.	1.8	85
46	Maternal autoantibodies are associated with abnormal brain enlargement in a subgroup of children with autism spectrum disorder. <i>Brain, Behavior, and Immunity</i> , 2013, 30, 61-65.	2.0	85
47	Brief Report: Plasma Leptin Levels are Elevated in Autism: Association with Early Onset Phenotype?. <i>Journal of Autism and Developmental Disorders</i> , 2008, 38, 169-175.	1.7	77
48	Asthma and Allergies in Children With Autism Spectrum Disorders: Results From the CHARGE Study. <i>Autism Research</i> , 2015, 8, 567-574.	2.1	76
49	Increased production of IL-17 in children with autism spectrum disorders and co-morbid asthma. <i>Journal of Neuroimmunology</i> , 2015, 286, 33-41.	1.1	74
50	Plasma cytokine profiles in Fragile X subjects: Is there a role for cytokines in the pathogenesis?. <i>Brain, Behavior, and Immunity</i> , 2010, 24, 898-902.	2.0	73
51	Focal-Enhanced Gastritis in Regressive Autism with Features Distinct from Crohn's and Helicobacter Pylori Gastritis. <i>American Journal of Gastroenterology</i> , 2004, 99, 598-605.	0.2	72
52	Dynamic Akt/mTOR Signaling in Children with Autism Spectrum Disorder. <i>Frontiers in Pediatrics</i> , 2017, 5, 43.	0.9	70
53	Inflammatory macrophage phenotype in BTBR T+tf/J mice. <i>Frontiers in Neuroscience</i> , 2013, 7, 158.	1.4	67
54	Developmental "behavioral profiles in children with autism spectrum disorder and co-occurring gastrointestinal symptoms. <i>Autism Research</i> , 2020, 13, 1778-1789.	2.1	64

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55	Autoimmunity in autism. <i>Current Opinion in Investigational Drugs</i> , 2009, 10, 463-73.	2.3	64
56	Myeloid dendritic cells frequencies are increased in children with autism spectrum disorder and associated with amygdala volume and repetitive behaviors. <i>Brain, Behavior, and Immunity</i> , 2013, 31, 69-75.	2.0	63
57	An Exploratory Examination of Neonatal Cytokines and Chemokines as Predictors of Autism Risk: The Early Markers for Autism Study. <i>Biological Psychiatry</i> , 2019, 86, 255-264.	0.7	63
58	Inflammatory profiles in the BTBR mouse: How relevant are they to autism spectrum disorders?. <i>Brain, Behavior, and Immunity</i> , 2015, 43, 11-16.	2.0	62
59	Maternal Immune-Mediated Conditions, Autism Spectrum Disorders, and Developmental Delay. <i>Journal of Autism and Developmental Disorders</i> , 2014, 44, 1546-55.	1.7	61
60	Correlations of Gene Expression with Blood Lead Levels in Children with Autism Compared to Typically Developing Controls. <i>Neurotoxicity Research</i> , 2011, 19, 1-13.	1.3	60
61	Correlations Between Gene Expression and Mercury Levels in Blood of Boys With and Without Autism. <i>Neurotoxicity Research</i> , 2011, 19, 31-48.	1.3	57
62	Infection and Fever in Pregnancy and Autism Spectrum Disorders: Findings from the Study to Explore Early Development. <i>Autism Research</i> , 2019, 12, 1551-1561.	2.1	56
63	The significance of ileo-colonic lymphoid nodular hyperplasia in children with autistic spectrum disorder. <i>European Journal of Gastroenterology and Hepatology</i> , 2005, 17, 827-836.	0.8	54
64	Decreased cellular IL-23 but not IL-17 production in children with autism spectrum disorders. <i>Journal of Neuroimmunology</i> , 2009, 216, 126-129.	1.1	54
65	Microglia from offspring of dams with allergic asthma exhibit epigenomic alterations in genes dysregulated in autism. <i>Glia</i> , 2018, 66, 505-521.	2.5	54
66	Family history of immune conditions and autism spectrum and developmental disorders: Findings from the study to explore early development. <i>Autism Research</i> , 2019, 12, 123-135.	2.1	54
67	Preliminary evidence of the in vitro effects of BDE-47 on innate immune responses in children with autism spectrum disorders. <i>Journal of Neuroimmunology</i> , 2009, 208, 130-135.	1.1	51
68	Levels of Soluble Platelet Endothelial Cell Adhesion Molecule-1 and P-Selectin Are Decreased in Children with Autism Spectrum Disorder. <i>Biological Psychiatry</i> , 2012, 72, 1020-1025.	0.7	50
69	Further characterization of autoantibodies to GABAergic neurons in the central nervous system produced by a subset of children with autism. <i>Molecular Autism</i> , 2011, 2, 5.	2.6	46
70	Fine particles that adsorb lipopolysaccharide via bridging calcium cations may mimic bacterial pathogenicity towards cells. <i>Experimental Biology and Medicine</i> , 2007, 232, 107-117.	1.1	42
71	Behavioral impact of maternal allergic-asthma in two genetically distinct mouse strains. <i>Brain, Behavior, and Immunity</i> , 2017, 63, 99-107.	2.0	40
72	Maternal immune conditions are increased in males with autism spectrum disorders and are associated with behavioural and emotional but not cognitive co-morbidity. <i>Translational Psychiatry</i> , 2020, 10, 286.	2.4	40

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73	Detection of IL-17 and IL-23 in Plasma Samples of Children with Autism. <i>American Journal of Biochemistry and Biotechnology</i> , 2008, 4, 114-120.	0.1	40
74	Increased Anti-Phospholipid Antibodies in Autism Spectrum Disorders. <i>Mediators of Inflammation</i> , 2013, 2013, 1-7.	1.4	35
75	Autism Spectrum Disorders: From Immunity to Behavior. <i>Methods in Molecular Biology</i> , 2012, 934, 219-240.	0.4	34
76	Gestational Exposure to a Viral Mimetic Poly(I:C) Results in Long-Lasting Changes in Mitochondrial Function by Leucocytes in the Adult Offspring. <i>Mediators of Inflammation</i> , 2013, 2013, 1-8.	1.4	34
77	Autoimmune disease in mothers with the FMR1 premutation is associated with seizures in their children with fragile X syndrome. <i>Human Genetics</i> , 2010, 128, 539-548.	1.8	30
78	Potential cytokine biomarkers in autism spectrum disorders. <i>Biomarkers in Medicine</i> , 2014, 8, 1171-1181.	0.6	30
79	Cross-genetic determination of maternal and neonatal immune mediators during pregnancy. <i>Genome Medicine</i> , 2018, 10, 67.	3.6	27
80	Brief Report: Hyperbaric Oxygen Therapy (HBOT) in Children with Autism Spectrum Disorder: A Clinical Trial. <i>Journal of Autism and Developmental Disorders</i> , 2012, 42, 1127-1132.	1.7	26
81	Immune Dysregulation as a Cause of Autoinflammation in Fragile X Premutation Carriers: Link between FMRI CGG Repeat Number and Decreased Cytokine Responses. <i>PLoS ONE</i> , 2014, 9, e94475.	1.1	26
82	Change in Plasma Cytokine Levels During Risperidone Treatment in Children with Autism. <i>Journal of Child and Adolescent Psychopharmacology</i> , 2014, 24, 586-589.	0.7	26
83	C57BL/6J bone marrow transplant increases sociability in BTBR T+ Itpr3tf/J mice. <i>Brain, Behavior, and Immunity</i> , 2017, 59, 55-61.	2.0	25
84	Maternal immune response and air pollution exposure during pregnancy: insights from the Early Markers for Autism (EMA) study. <i>Journal of Neurodevelopmental Disorders</i> , 2020, 12, 42.	1.5	23
85	Decreased levels of total immunoglobulin in children with autism are not a result of B cell dysfunction. <i>Journal of Neuroimmunology</i> , 2012, 251, 94-102.	1.1	21
86	Identification of the antigenic epitopes of maternal autoantibodies in autism spectrum disorders. <i>Brain, Behavior, and Immunity</i> , 2018, 69, 399-407.	2.0	21
87	Dysregulated gene expression associated with inflammatory and translation pathways in activated monocytes from children with autism spectrum disorder. <i>Translational Psychiatry</i> , 2022, 12, 39.	2.4	21
88	The Autism Phenome Project: Toward Identifying Clinically Meaningful Subgroups of Autism. <i>Frontiers in Neuroscience</i> , 2021, 15, 786220.	1.4	21
89	Peripheral Blood Leukocyte Production of BDNF following Mitogen Stimulation in Early Onset and Regressive Autism. <i>American Journal of Biochemistry and Biotechnology</i> , 2008, 4, 121-129.	0.1	20
90	Decreased Levels of EGF in Plasma of Children with Autism Spectrum Disorder. <i>Autism Research & Treatment</i> , 2012, 2012, 1-4.	0.1	19

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91	Anti-Candida albicans IgG Antibodies in Children With Autism Spectrum Disorders. <i>Frontiers in Psychiatry</i> , 2018, 9, 627.	1.3	19
92	Prenatal and Newborn Immunoglobulin Levels from Mother-Child Pairs and Risk of Autism Spectrum Disorders. <i>Frontiers in Neuroscience</i> , 2016, 10, 218.	1.4	17
93	T cell populations in children with autism spectrum disorder and co-morbid gastrointestinal symptoms. <i>Brain, Behavior, & Immunity - Health</i> , 2020, 2, 100042.	1.3	15
94	Group I metabotropic glutamate receptor mediated dynamic immune dysfunction in children with fragile X syndrome. <i>Journal of Neuroinflammation</i> , 2014, 11, 110.	3.1	14
95	Mechanistic biomarkers for autism treatment. <i>Medical Hypotheses</i> , 2009, 73, 950-954.	0.8	12
96	Therapeutic properties of mesenchymal stem cells for autism spectrum disorders. <i>Medical Hypotheses</i> , 2015, 84, 169-177.	0.8	11
97	Maternal autoantibody profiles as biomarkers for ASD and ASD with co-occurring intellectual disability. <i>Molecular Psychiatry</i> , 2022, 27, 3760-3767.	4.1	10
98	Neonatal Thyroid Stimulating Hormone and Subsequent Diagnosis of Autism Spectrum Disorders and Intellectual Disability. <i>Autism Research</i> , 2020, 13, 444-455.	2.1	9
99	Repeated allergic asthma in early versus late pregnancy differentially impacts offspring brain and behavior development. <i>Brain, Behavior, and Immunity</i> , 2021, 93, 66-79.	2.0	9
100	A profile and review of findings from the Early Markers for Autism study: unique contributions from a population-based case-control study in California. <i>Molecular Autism</i> , 2021, 12, 24.	2.6	8
101	Increased Monocyte Production of IL-6 after Toll-like Receptor Activation in Children with Autism Spectrum Disorder (ASD) Is Associated with Repetitive and Restricted Behaviors. <i>Brain Sciences</i> , 2022, 12, 220.	1.1	8
102	Rapid Communication: Plasma Interleukin-35 in Children with Autism. <i>Brain Sciences</i> , 2019, 9, 152.	1.1	7
103	Sex disparate gut microbiome and metabolome perturbations precede disease progression in a mouse model of Rett syndrome. <i>Communications Biology</i> , 2021, 4, 1408.	2.0	7
104	Differential Macrophage Responses in Affective Versus Non-Affective First-Episode Psychosis Patients. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 583351.	1.8	6
105	The Immune System in Autism. , 2008, , 271-288.		6
106	Antibiotic Treatment during Pregnancy Alters Offspring Gut Microbiota in a Sex-Dependent Manner. <i>Biomedicines</i> , 2022, 10, 1042.	1.4	6
107	Differential T Cell Levels of Tumor Necrosis Factor Receptor-II in Children With Autism. <i>Frontiers in Psychiatry</i> , 2018, 9, 543.	1.3	4
108	Genetic variants drive altered epigenetic regulation of endotoxin response in BTBR macrophages. <i>Brain, Behavior, and Immunity</i> , 2020, 89, 20-31.	2.0	4

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109	Preeclampsia, Placental Insufficiency, Autism, and Antiphospholipid Antibodiesâ€™Reply. JAMA Pediatrics, 2015, 169, 606.	3.3	3
110	ASD: Biochemical Mechanisms behind Behavioral Disorders. Mediators of Inflammation, 2014, 2014, 1-2.	1.4	1
111	Immune Dysfunction in Autism Spectrum Disorders. Molecular and Integrative Toxicology, 2012, , 253-269.	0.5	0
112	Autism, Gastrointestinal Disturbance, and Immune Dysfunction. , 2009, , 277-298.		0
113	Immunology of Autism. , 2015, , 93-115.		0