

Paul Ashwood

List of Publications by Year in descending order

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Version: 2024-02-01

113
papers

11,013
citations

25034

57
h-index

31849

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. | 4.1 | 704 |
| 2 | Consensus Paper: Pathological Role of the Cerebellum in Autism. <i>Cerebellum</i> , 2012, 11, 777-807. | 2.5 | 577 |
| 3 | The role of immune dysfunction in the pathophysiology of autism. <i>Brain, Behavior, and Immunity</i> , 2012, 26, 383-392. | 4.1 | 530 |
| 4 | The immune response in autism: a new frontier for autism research. <i>Journal of Leukocyte Biology</i> , 2006, 80, 1-15. | 3.3 | 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. | 4.9 | 284 |
| 6 | Differential monocyte responses to TLR ligands in children with autism spectrum disorders. <i>Brain, Behavior, and Immunity</i> , 2010, 24, 64-71. | 4.1 | 246 |
| 7 | Cytokine dysregulation in autism spectrum disorders (ASD): Possible role of the environment. <i>Neurotoxicology and Teratology</i> , 2013, 36, 67-81. | 2.4 | 240 |
| 8 | Associations of impaired behaviors with elevated plasma chemokines in autism spectrum disorders. <i>Journal of Neuroimmunology</i> , 2011, 232, 196-199. | 2.3 | 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. | 2.3 | 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. | 4.1 | 217 |
| 11 | Altered T cell responses in children with autism. <i>Brain, Behavior, and Immunity</i> , 2011, 25, 840-849. | 4.1 | 217 |
| 12 | Autism: Maternally derived antibodies specific for fetal brain proteins. <i>NeuroToxicology</i> , 2007, 29, 226-31. | 3.0 | 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. | 4.1 | 203 |
| 14 | Altered monocyte responses to defined TLR ligands in patients with primary biliary cirrhosis. <i>Hepatology</i> , 2005, 42, 802-808. | 7.3 | 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. | 3.8 | 171 |
| 16 | Neonatal Cytokine Profiles Associated With Autism Spectrum Disorder. <i>Biological Psychiatry</i> , 2017, 81, 442-451. | 1.3 | 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. | 2.3 | 170 |
| 18 | Immune Dysfunction and Autoimmunity as Pathological Mechanisms in Autism Spectrum Disorders. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 405. | 3.7 | 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. | 4.1 | 163 |
| 20 | Reduced levels of immunoglobulin in children with autism correlates with behavioral symptoms. <i>Autism Research</i> , 2008, 1, 275-283. | 3.8 | 161 |
| 21 | Immunological and autoimmune considerations of Autism Spectrum Disorders. <i>Journal of Autoimmunity</i> , 2013, 44, 1-7. | 6.5 | 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. | 3.8 | 156 |
| 23 | The Gut Microbiota and Dysbiosis in Autism Spectrum Disorders. <i>Current Neurology and Neuroscience Reports</i> , 2018, 18, 81. | 4.2 | 155 |
| 24 | Maternal Mid-Pregnancy Autoantibodies to Fetal Brain Protein: The Early Markers for Autism Study. <i>Biological Psychiatry</i> , 2008, 64, 583-588. | 1.3 | 154 |
| 25 | Is autism an autoimmune disease?. <i>Autoimmunity Reviews</i> , 2004, 3, 557-562. | 5.8 | 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. | 4.1 | 141 |
| 27 | Immune Dysfunction in Autism: A Pathway to Treatment. <i>Neurotherapeutics</i> , 2010, 7, 283-292. | 4.4 | 138 |
| 28 | Evidence supporting an altered immune response in ASD. <i>Immunology Letters</i> , 2015, 163, 49-55. | 2.5 | 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. | 3.8 | 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. | 1.5 | 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. | 4.4 | 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. | 2.5 | 126 |
| 33 | Autoimmunity, Autoantibodies, and Autism Spectrum Disorder. <i>Biological Psychiatry</i> , 2017, 81, 383-390. | 1.3 | 114 |
| 34 | Autoantibodies to cerebellum in children with autism associate with behavior. <i>Brain, Behavior, and Immunity</i> , 2011, 25, 514-523. | 4.1 | 111 |
| 35 | In Search of Cellular Immunophenotypes in the Blood of Children with Autism. <i>PLoS ONE</i> , 2011, 6, e19299. | 2.5 | 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. | 1.3 | 106 |
| 38 | Immune Endophenotypes in Children With Autism Spectrum Disorder. <i>Biological Psychiatry</i> , 2017, 81, 434-441. | 1.3 | 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. | 7.2 | 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. | 7.2 | 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. | 4.1 | 97 |
| 42 | Behavioral Correlates of Maternal Antibody Status Among Children with Autism. <i>Journal of Autism and Developmental Disorders</i> , 2012, 42, 1435-1445. | 2.7 | 91 |
| 43 | Maternal immune activation leads to activated inflammatory macrophages in offspring. <i>Brain, Behavior, and Immunity</i> , 2014, 38, 220-226. | 4.1 | 89 |
| 44 | Increased IgG4 levels in children with autism disorder. <i>Brain, Behavior, and Immunity</i> , 2009, 23, 389-395. | 4.1 | 86 |
| 45 | Autoantibodies in Autism Spectrum Disorders (ASD). <i>Annals of the New York Academy of Sciences</i> , 2007, 1107, 79-91. | 3.8 | 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. | 4.1 | 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. | 2.7 | 77 |
| 48 | Asthma and Allergies in Children With Autism Spectrum Disorders: Results From the CHARGE Study. <i>Autism Research</i> , 2015, 8, 567-574. | 3.8 | 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. | 2.3 | 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. | 4.1 | 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. | 0.4 | 72 |
| 52 | Dynamic Akt/mTOR Signaling in Children with Autism Spectrum Disorder. <i>Frontiers in Pediatrics</i> , 2017, 5, 43. | 1.9 | 70 |
| 53 | Inflammatory macrophage phenotype in BTBR T+tf/J mice. <i>Frontiers in Neuroscience</i> , 2013, 7, 158. | 2.8 | 67 |
| 54 | Developmental "behavioral profiles in children with autism spectrum disorder and co-occurring gastrointestinal symptoms. <i>Autism Research</i> , 2020, 13, 1778-1789. | 3.8 | 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. | 4.1 | 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. | 1.3 | 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. | 4.1 | 62 |
| 59 | Maternal Immune-Mediated Conditions, Autism Spectrum Disorders, and Developmental Delay. <i>Journal of Autism and Developmental Disorders</i> , 2014, 44, 1546-55. | 2.7 | 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. | 2.7 | 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. | 2.7 | 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. | 3.8 | 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. | 1.6 | 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. | 2.3 | 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. | 4.9 | 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. | 3.8 | 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. | 2.3 | 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. | 1.3 | 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. | 4.9 | 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. | 2.4 | 42 |
| 71 | Behavioral impact of maternal allergic-asthma in two genetically distinct mouse strains. <i>Brain, Behavior, and Immunity</i> , 2017, 63, 99-107. | 4.1 | 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. | 4.8 | 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. | 0.4 | 40 |
| 74 | Increased Anti-Phospholipid Antibodies in Autism Spectrum Disorders. <i>Mediators of Inflammation</i> , 2013, 2013, 1-7. | 3.0 | 35 |
| 75 | Autism Spectrum Disorders: From Immunity to Behavior. <i>Methods in Molecular Biology</i> , 2012, 934, 219-240. | 0.9 | 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. | 3.0 | 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. | 3.8 | 30 |
| 78 | Potential cytokine biomarkers in autism spectrum disorders. <i>Biomarkers in Medicine</i> , 2014, 8, 1171-1181. | 1.4 | 30 |
| 79 | Cross-genetic determination of maternal and neonatal immune mediators during pregnancy. <i>Genome Medicine</i> , 2018, 10, 67. | 8.2 | 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. | 2.7 | 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. | 2.5 | 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. | 1.3 | 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. | 4.1 | 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. | 3.1 | 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. | 2.3 | 21 |
| 86 | Identification of the antigenic epitopes of maternal autoantibodies in autism spectrum disorders. <i>Brain, Behavior, and Immunity</i> , 2018, 69, 399-407. | 4.1 | 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. | 4.8 | 21 |
| 88 | The Autism Phenome Project: Toward Identifying Clinically Meaningful Subgroups of Autism. <i>Frontiers in Neuroscience</i> , 2021, 15, 786220. | 2.8 | 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. | 0.4 | 20 |
| 90 | Decreased Levels of EGF in Plasma of Children with Autism Spectrum Disorder. <i>Autism Research & Treatment</i> , 2012, 2012, 1-4. | 0.5 | 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. | 2.6 | 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. | 2.8 | 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. | 2.5 | 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. | 7.2 | 14 |
| 95 | Mechanistic biomarkers for autism treatment. <i>Medical Hypotheses</i> , 2009, 73, 950-954. | 1.5 | 12 |
| 96 | Therapeutic properties of mesenchymal stem cells for autism spectrum disorders. <i>Medical Hypotheses</i> , 2015, 84, 169-177. | 1.5 | 11 |
| 97 | Maternal autoantibody profiles as biomarkers for ASD and ASD with co-occurring intellectual disability. <i>Molecular Psychiatry</i> , 2022, 27, 3760-3767. | 7.9 | 10 |
| 98 | Neonatal Thyroid Stimulating Hormone and Subsequent Diagnosis of Autism Spectrum Disorders and Intellectual Disability. <i>Autism Research</i> , 2020, 13, 444-455. | 3.8 | 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. | 4.1 | 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. | 4.9 | 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. | 2.3 | 8 |
| 102 | Rapid Communication: Plasma Interleukin-35 in Children with Autism. <i>Brain Sciences</i> , 2019, 9, 152. | 2.3 | 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. | 4.4 | 7 |
| 104 | Differential Macrophage Responses in Affective Versus Non-Affective First-Episode Psychosis Patients. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 583351. | 3.7 | 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. | 3.2 | 6 |
| 107 | Differential T Cell Levels of Tumor Necrosis Factor Receptor-II in Children With Autism. <i>Frontiers in Psychiatry</i> , 2018, 9, 543. | 2.6 | 4 |
| 108 | Genetic variants drive altered epigenetic regulation of endotoxin response in BTBR macrophages. <i>Brain, Behavior, and Immunity</i> , 2020, 89, 20-31. | 4.1 | 4 |

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|-----|--|-----|-----------|
| 109 | Preeclampsia, Placental Insufficiency, Autism, and Antiphospholipid Antibodiesâ€™Reply. JAMA Pediatrics, 2015, 169, 606. | 6.2 | 3 |
| 110 | ASD: Biochemical Mechanisms behind Behavioral Disorders. Mediators of Inflammation, 2014, 2014, 1-2. | 3.0 | 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 |