Tony J Simon

List of Publications by Year
in descending order

85 papers	5,668 citations	70961 41 h-index	82410 72 g-index
85 all docs	85 docs citations	85 times ranked	5913 citing authors

#	Article	IF	Citations
1	Psychiatric Disorders From Childhood to Adulthood in 22q11.2 Deletion Syndrome: Results From the International Consortium on Brain and Behavior in 22q11.2 Deletion Syndrome. American Journal of Psychiatry, 2014, 171, 627-639.	4.0	645
2	22q11.2 microdeletions: linking DNA structural variation to brain dysfunction and schizophrenia. Nature Reviews Neuroscience, 2010, 11, 402-416.	4.9	417
3	Do infants understand simple arithmetic? A replication of Wynn (1992). Cognitive Development, 1995, 10, 253-269.	0.7	292
4	Brain enlargement is associated with regression in preschool-age boys with autism spectrum disorders. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 20195-20200.	3.3	210
5	Cognitive Decline Preceding the Onset of Psychosis in Patients With 22q11.2 Deletion Syndrome. JAMA Psychiatry, 2015, 72, 377.	6.0	196
6	Reconceptualizing the origins of number knowledge: A â€œnon-numericalâ€•account. Cognitive Development, 1997, 12, 349-372.	0.7	189
7	Volumetric, connective, and morphologic changes in the brains of children with chromosome 22q11.2 deletion syndrome: an integrative study. NeuroImage, 2005, 25, 169-180.	2.1	179
8	Neural Evidence Linking Visual Object Enumeration and Attention. Journal of Cognitive Neuroscience, 1999, 11, 36-51.	1.1	164
9	Structure-specific statistical mapping of white matter tracts. NeuroImage, 2008, 41, 448-461.	2.1	158
10	Visuospatial and Numerical Cognitive Deficits in Children with Chromosome 22Q11.2 Deletion Syndrome. Cortex, 2005, 41, 145-155.	1.1	131
11	Effects of a Functional COMT Polymorphism on Prefrontal Cognitive Function in Patients With 22q11.2 Deletion Syndrome. American Journal of Psychiatry, 2004, 161, 1700-1702.	4.0	122
12	Large-scale mapping of cortical alterations in 22q11.2 deletion syndrome: Convergence with idiopathic psychosis and effects of deletion size. Molecular Psychiatry, 2020, 25, 1822-1834.	4.1	122
13	Subitizing and counting depend on different attentional mechanisms: Evidence from visual enumeration in afterimages. Perception & Psychophysics, 1996, 58, 915-926.	2.3	118
14	Assessment of the Prodromal Questionnaireâ€“Brief Child Version for Measurement of Self-reported Psychoticlike Experiences in Childhood. JAMA Psychiatry, 2018, 75, 853.	6.0	113
15	Brief Report: Methods for Acquiring Structural MRI Data in Very Young Children with Autism Without the Use of Sedation. Journal of Autism and Developmental Disorders, 2008, 38, 1581-1590.	1.7	109
16	Computational evidence for the foundations of numerical competence. Developmental Science, 1998, 1, 71-78.	1.3	98
17	Using common genetic variation to examine phenotypic expression and risk prediction in 22q11.2 deletion syndrome. Nature Medicine, 2020, 26, 1912-1918.	15.2	90
18	Mapping Cortical Thickness in Children with 22q11.2 Deletions. Cerebral Cortex, 2007, 17, 1889-1898.	1.6	88

#	Article	IF	Citations
19	Genetic contributors to risk of schizophrenia in the presence of a 22q11.2 deletion. Molecular Psychiatry, 2021, 26, 4496-4510.	4.1	87
20	A new account of the neurocognitive foundations of impairments in space, time, and number processing in children with chromosome 22q11.2 deletion syndrome. Developmental Disabilities Research Reviews, 2008, 14, 52-58.	2.9	77
21	Alterations in Midline Cortical Thickness and Gyrification Patterns Mapped in Children with 22q11.2 Deletions. Cerebral Cortex, 2009, 19, 115-126.	1.6	75
22	A multilevel analysis of cognitive dysfunction and psychopathology associated with chromosome 22q11.2 deletion syndrome in children. Development and Psychopathology, 2005, 17, 753-84.	1.4	73
23	Young adult female fragile X premutation carriers show age- and genetically-modulated cognitive impairments. Brain and Cognition, 2011, 75, 255-260.	0.8	72
24	Maladaptive conflict monitoring as evidence for executive dysfunction in children with chromosome 22q11.2 deletion syndrome. Developmental Science, 2005, 8, 36-43.	1.3	69
25	Social Impairments in Chromosome 22q11.2 Deletion Syndrome (22q11.2DS): Autism Spectrum Disorder or a Different Endophenotype?. Journal of Autism and Developmental Disorders, 2014, 44, 739-746.	1.7	69
26	Attenuated positive symptoms of psychosis in adolescents with chromosome 22q11.2 deletion syndrome. Schizophrenia Research, 2010, 118, 118-121.	1.1	65
27	Decreased DGCR8 Expression and miRNA Dysregulation in Individuals with 22q11.2 Deletion Syndrome. PLoS ONE, 2014, 9, e103884.	1.1	64
28	Copy-Number Variation of the Glucose Transporter Gene SLC2A3 and Congenital Heart Defects in the 22q11.2 Deletion Syndrome. American Journal of Human Genetics, 2015, 96, 753-764.	2.6	62
29	An Examination of the Relationship of Anxiety and Intelligence to Adaptive Functioning in Children with Chromosome 22q11.2 Deletion Syndrome. Journal of Developmental and Behavioral Pediatrics, 2012, 33, 713-720.	0.6	61
30	Adult Female Fragile X Premutation Carriers Exhibit Age- and CGG Repeat Length-Related Impairments on an Attentionally Based Enumeration Task. Frontiers in Human Neuroscience, 2011, 5, 63.	1.0	59
31	Specific cerebellar reductions in children with chromosome 22q11.2 deletion syndrome. Neuroscience Letters, 2006, 399, 245-248.	1.0	58
32	Hippocampal volume reduction in children with chromosome 22q11.2 deletion syndrome is associated with cognitive impairment. Behavioral and Brain Functions, 2007, 3, 54.	1.4	56
33	Mitochondrial Citrate Transporter-dependent Metabolic Signature in the 22q11.2 Deletion Syndrome. Journal of Biological Chemistry, 2015, 290, 23240-23253.	1.6	56
34	Mapping Subcortical Brain Alterations in 22q11.2 Deletion Syndrome: Effects of Deletion Size and Convergence With Idiopathic Neuropsychiatric Illness. American Journal of Psychiatry, 2020, 177, 589-600.	4.0	55
35	Atypical cortical connectivity and visuospatial cognitive impairments are related in children with chromosome 22q11.2 deletion syndrome. Behavioral and Brain Functions, 2008, 4, 25.	1.4	51
36	White matter microstructural abnormalities in girls with chromosome 22q11.2 deletion syndrome, Fragile X or Turner syndrome as evidenced by diffusion tensor imaging. NeuroImage, 2013, 81, 441-454.	2.1	50

#	Article	IF	Citations
37	Altered white matter microstructure in 22q11.2 deletion syndrome: a multisite diffusion tensor imaging study. Molecular Psychiatry, 2020, 25, 2818-2831.	4.1	50
38	Subthreshold Psychosis in 22q11.2 Deletion Syndrome: Multisite Naturalistic Study. Schizophrenia Bulletin, 2017, 43, 1079-1089.	2.3	47
39	Thalamic reductions in children with chromosome 22q11.2 deletion syndrome. NeuroReport, 2004, 15, 1413-1415.	0.6	46
40	Corpus callosum morphology and ventricular size in chromosome 22q11.2 deletion syndrome. Brain Research, 2007, 1131, 197-210.	1.1	46
41	Abnormal trajectories in cerebellum and brainstem volumes in carriers of the fragile X premutation. Neurobiology of Aging, 2017, 55, 11-19.	1.5	46
42	Cognitive development in VCFS. Progress in Pediatric Cardiology, 2002, 15, 109-117.	0.2	45
43	How might stress contribute to increased risk for schizophrenia in children with chromosome 22q11.2 deletion syndrome?. Journal of Neurodevelopmental Disorders, 2011, 3, 68-75.	1.5	44
44	Rare copy number variants and congenital heart defects in the 22q11.2 deletion syndrome. Human Genetics, 2016, 135, 273-285.	1.8	43
45	Computational Evidence for the Subitizing Phenomenon as an Emergent Property of the Human Cognitive Architecture. Cognitive Science, 2000, 24, 93-122.	0.8	42
46	Complete Sequence of the 22q11.2 Allele in 1,053 Subjects with 22q11.2 Deletion Syndrome Reveals Modifiers of Conotruncal Heart Defects. American Journal of Human Genetics, 2020, 106, 26-40.	2.6	42
47	The development of cognitive control in children with chromosome 22q11.2 deletion syndrome. Frontiers in Psychology, 2014, 5, 566.	1.1	39
48	Effects of Comt Genotype on Behavioral Symptomatology in the 22q11.2 Deletion Syndrome. Child Neuropsychology, 2005, 11, 109-117.	0.8	34
49	Domain specific attentional impairments in children with chromosome 22q11.2 deletion syndrome. Brain and Cognition, 2007, 64, 265-273.	0.8	32
50	Effects of copy number variations on brain structure and risk for psychiatric illness: Largeâ€scale studies from the<scp>ENIGMA</scp>working groups on<scp>CNVs</scp>. Human Brain Mapping, 2022, 43, 300-328.	1.9	30
51	Identifying patterns of anxiety and depression in children with chromosome 22q11.2 deletion syndrome: Comorbidity predicts behavioral difficulties and impaired functional communications. Behavioural Brain Research, 2015, 276, 190-198.	1.2	27
52	Increased incidence and size of cavum septum pellucidum in children with chromosome 22q11.2 deletion syndrome. Psychiatry Research - Neuroimaging, 2010, 181, 108-113.	0.9	26
53	Do the magnocellular and parvocellular visual pathways contribute differentially to subitizing and counting?. Perception & Psychophysics, 1998, 60, 451-464.	2.3	24
54	Structure-Specific Statistical Mapping of White Matter Tracts using the Continuous Medial Representation. , 2007, , .		24

#	Article	IF	Citations
55	Atypical developmental trajectory of functionally significant cortical areas in children with chromosome 22q11.2 deletion syndrome. Human Brain Mapping, 2012, 33, 213-223.	1.9	23
56	Cognitive Characteristics of Children with Genetic Syndromes. Child and Adolescent Psychiatric Clinics of North America, 2007, 16, 599-616.	1.0	22
57	Atypical Functional Brain Activation During a Multiple Object Tracking Task in Girls With Turner Syndrome: Neurocorrelates of Reduced Spatiotemporal Resolution. American Journal on Intellectual and Developmental Disabilities, 2010, 115, 140-156.	0.8	22
58	A Cross-Sectional Analysis of the Development of Response Inhibition in Children with Chromosome 22q11.2 Deletion Syndrome. Frontiers in Psychiatry, 2013, 4, 81.	1.3	22
59	Children With Chromosome 22q11.2 Deletion Syndrome Exhibit Impaired Spatial Working Memory. American Journal on Intellectual and Developmental Disabilities, 2014, 119, 115-132.	0.8	22
60	Genome-Wide Association Study to Find Modifiers for Tetralogy of Fallot in the 22q11.2 Deletion Syndrome Identifies Variants in the GPR98 Locus on 5q14.3. Circulation: Cardiovascular Genetics, 2017, 10, .	5.1	22
61	Atypical development of the executive attention network in children with chromosome 22q11.2 deletion syndrome. Journal of Neurodevelopmental Disorders, 2011, 3, 76-85.	1.5	21
62	Bullying and psychosis: The impact of chronic traumatic stress on psychosis risk in 22q11.2 deletion syndrome - a uniquely vulnerable population. Journal of Psychiatric Research, 2019, 114, 99-104.	1.5	19
63	Catechol-O-methyltransferase polymorphism modulates cognitive control in children with chromosome 22q11.2 deletion syndrome. Cognitive, Affective and Behavioral Neuroscience, 2009, 9, 83-90.	1.0	17
64	A cross-sectional study of the development of volitional control of spatial attention in children with chromosome 22q11.2 deletion syndrome. Journal of Neurodevelopmental Disorders, 2012, 4, 5.	1.5	17
65	Impaired multiple object tracking in children with chromosome 22q11.2 deletion syndrome. Journal of Neurodevelopmental Disorders, 2012, 4, 6.	1.5	17
66	A higher rare CNV burden in the genetic background potentially contributes to intellectual disability phenotypes in 22q11.2 deletion syndrome. European Journal of Medical Genetics, 2018, 61, 209-212.	0.7	17
67	Clues to the Foundations of Numerical Cognitive Impairments: Evidence From Genetic Disorders. Developmental Neuropsychology, 2011, 36, 788-805.	1.0	15
68	Common and specific impairments in attention functioning in girls with chromosome 22q11.2 deletion, fragile X or Turner syndromes. Journal of Neurodevelopmental Disorders, 2014, 6, 5.	1.5	15
69	Eye movements reveal impaired inhibitory control in adult male fragile X premutation carriers asymptomatic for FXTAS.. Neuropsychology, 2014, 28, 571-584.	1.0	14
70	Disrupted fornix integrity in children with chromosome 22q11.2 deletion syndrome. Psychiatry Research - Neuroimaging, 2015, 232, 106-114.	0.9	14
71	Altered neural activity in the â€˜whenâ€™ pathway during temporal processing in fragile X premutation carriers. Behavioural Brain Research, 2014, 261, 240-248.	1.2	13
72	Baseline connectome modular abnormalities in the childhood phase of a longitudinal study on individuals with chromosome 22q11.2 deletion syndrome. Human Brain Mapping, 2018, 39, 232-248.	1.9	11

#	Article	IF	Citations
73	Prioritizing Genetic Contributors to Cortical Alterations in 22q11.2 Deletion Syndrome Using Imaging Transcriptomics. Cerebral Cortex, 2021, 31, 3285-3298.	1.6	10
74	Interrelationship Between Cognitive Control, Anxiety, and Restricted and Repetitive Behaviors in Children with 22q11.2 Deletion Syndrome. Autism Research, 2019, 12, 1737-1744.	2.1	9
75	The hippocampi of children with chromosome 22q11.2 deletion syndrome have localized anterior alterations that predict severity of anxiety. Journal of Psychiatry and Neuroscience, 2016, 41, 203-213.	1.4	9
76	Multivariate segmentation of brain tissues by fusion of MRI and DTI data. , 2008, , .		7
77	Neural and behavioral measures suggest that cognitive and affective functioning interactions mediate risk for psychosisâ€proneness symptoms in youth with chromosome 22q11.2 deletion syndrome. American Journal of Medical Genetics, Part A, 2020, 182, 1615-1630.	0.7	5
78	Temporal dynamics of attentional selection in adult male carriers of the fragile X premutation allele and adult controls. Frontiers in Human Neuroscience, 2015, 9, 37.	1.0	4
79	Structure-Specific Statistical Mapping of White Matter Tracts. Mathematics and Visualization, 2009, , 83-112.	0.4	4
80	Alternative diffusion anisotropy measures for the investigation of white matter alterations in 22q11.2 deletion syndrome. , 2018, , .		3
81	A second look: No effect of the COMT Val158Met polymorphism on conflict adaptation in youth with chromosome 22q11.2 deletion syndrome. Schizophrenia Research, 2012, 135, 202-203.	1.1	2
82	Quantifying the resolution of spatial and temporal representation in children with 22q11.2 deletion syndrome. Journal of Neurodevelopmental Disorders, 2019, 11, 40.	1.5	2
83	Seeing Eye to Eye With Threat: Atypical Threat Bias in Children With 22q11.2 Deletion Syndrome. American Journal on Intellectual and Developmental Disabilities, 2019, 124, 549-567.	0.8	2
84	Surface-based modeling of white matter fasciculi with orientation encoding. , 2008, , .		1
85	A cross-sectional analysis of orienting of visuospatial attention in child and adult carriers of the fragile X premutation. Journal of Neurodevelopmental Disorders, 2014, 6, 45.	1.5	0