

Eric Courchesne

List of Publications by Year in descending order

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Version: 2024-02-01

103
papers

21,884
citations

13332

70
h-index

34195

103
g-index

120
all docs

120
docs citations

120
times ranked

19813
citing authors

#	ARTICLE	IF	CITATIONS
1	Neural responses to affective speech, including motherese, map onto clinical and social eye tracking profiles in toddlers with ASD. <i>Nature Human Behaviour</i> , 2022, 6, 443-454.	6.2	14
2	Large scale validation of an early-age eye-tracking biomarker of an autism spectrum disorder subtype. <i>Scientific Reports</i> , 2022, 12, 4253.	1.6	20
3	A phenotypic spectrum of autism is attributable to the combined effects of rare variants, polygenic risk and sex. <i>Nature Genetics</i> , 2022, 54, 1284-1292.	9.4	66
4	The landscape of somatic mutation in cerebral cortex of autistic and neurotypical individuals revealed by ultra-deep whole-genome sequencing. <i>Nature Neuroscience</i> , 2021, 24, 176-185.	7.1	73
5	Pre-treatment clinical and gene expression patterns predict developmental change in early intervention in autism. <i>Molecular Psychiatry</i> , 2021, 26, 7641-7651.	4.1	7
6	Atypical genomic cortical patterning in autism with poor early language outcome. <i>Science Advances</i> , 2021, 7, eabh1663.	4.7	21
7	Get SET Early to Identify and Treatment Refer Autism Spectrum Disorder at 1ÂYear and Discover Factors That Influence Early Diagnosis. <i>Journal of Pediatrics</i> , 2021, 236, 179-188.	0.9	34
8	Multiple freeze-thaw cycles lead to a loss of consistency in poly(A)-enriched RNA sequencing. <i>BMC Genomics</i> , 2021, 22, 69.	1.2	12
9	Machine learning reveals bilateral distribution of somatic L1 insertions in human neurons and glia. <i>Nature Neuroscience</i> , 2021, 24, 186-196.	7.1	22
10	Identifying prognostic markers in autism spectrum disorder using eye tracking. <i>Autism</i> , 2020, 24, 658-669.	2.4	30
11	Prenatal Origins of ASD: The When, What, and How of ASD Development. <i>Trends in Neurosciences</i> , 2020, 43, 326-342.	4.2	100
12	Large-scale targeted sequencing identifies risk genes for neurodevelopmental disorders. <i>Nature Communications</i> , 2020, 11, 4932.	5.8	105
13	Naturalistic language sampling to characterize the language abilities of 3-year-olds with autism spectrum disorder. <i>Autism</i> , 2019, 23, 699-712.	2.4	34
14	The ASD Living Biology: from cell proliferation to clinical phenotype. <i>Molecular Psychiatry</i> , 2019, 24, 88-107.	4.1	210
15	Evaluation of the Diagnostic Stability of the Early Autism Spectrum Disorder Phenotype in the General Population Starting at 12 Months. <i>JAMA Pediatrics</i> , 2019, 173, 578.	3.3	211
16	A perturbed gene network containing PI3Kâ€AKT, RASâ€ERK and WNTâ€Î2-catenin pathways in leukocytes is linked to ASD genetics and symptom severity. <i>Nature Neuroscience</i> , 2019, 22, 1624-1634.	7.1	71
17	Default mode-visual network hypoconnectivity in an autism subtype with pronounced social visual engagement difficulties. <i>ELife</i> , 2019, 8, .	2.8	45
18	Paternally inherited cis-regulatory structural variants are associated with autism. <i>Science</i> , 2018, 360, 327-331.	6.0	174

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19	SPARK: A US Cohort of 50,000 Families to Accelerate Autism Research. <i>Neuron</i> , 2018, 97, 488-493.	3.8	265
20	The geometric preference subtype in ASD: identifying a consistent, early-emerging phenomenon through eye tracking. <i>Molecular Autism</i> , 2018, 9, 19.	2.6	52
21	Rethinking the idea of late autism spectrum disorder onset. <i>Development and Psychopathology</i> , 2018, 30, 553-569.	1.4	34
22	Large-scale associations between the leukocyte transcriptome and BOLD responses to speech differ in autism early language outcome subtypes. <i>Nature Neuroscience</i> , 2018, 21, 1680-1688.	7.1	69
23	Altered proliferation and networks in neural cells derived from idiopathic autistic individuals. <i>Molecular Psychiatry</i> , 2017, 22, 820-835.	4.1	349
24	Toddlers later diagnosed with autism exhibit multiple structural abnormalities in temporal corpus callosum fibers. <i>Cortex</i> , 2017, 97, 291-305.	1.1	40
25	Targeted sequencing identifies 91 neurodevelopmental-disorder risk genes with autism and developmental-disability biases. <i>Nature Genetics</i> , 2017, 49, 515-526.	9.4	443
26	Intersection of diverse neuronal genomes and neuropsychiatric disease: The Brain Somatic Mosaicism Network. <i>Science</i> , 2017, 356, .	6.0	206
27	Hotspots of missense mutation identify neurodevelopmental disorder genes and functional domains. <i>Nature Neuroscience</i> , 2017, 20, 1043-1051.	7.1	152
28	Hierarchical cortical transcriptome disorganization in autism. <i>Molecular Autism</i> , 2017, 8, 29.	2.6	24
29	To Screen or Not to Screen Universally for Autism is not the Question: Why the Task Force Got It Wrong. <i>Journal of Pediatrics</i> , 2016, 176, 182-194.	0.9	63
30	Frequency and Complexity of De Novo Structural Mutation in Autism. <i>American Journal of Human Genetics</i> , 2016, 98, 667-679.	2.6	88
31	Diffusion Tensor Imaging Provides Evidence of Possible Axonal Overconnectivity in Frontal Lobes in Autism Spectrum Disorder Toddlers. <i>Biological Psychiatry</i> , 2016, 79, 676-684.	0.7	134
32	Cell cycle networks link gene expression dysregulation, mutation, and brain maldevelopment in autistic toddlers. <i>Molecular Systems Biology</i> , 2015, 11, 841.	3.2	78
33	Prediction of Autism by Translation and Immune/Inflammation Coexpressed Genes in Toddlers From Pediatric Community Practices. <i>JAMA Psychiatry</i> , 2015, 72, 386.	6.0	87
34	Different Functional Neural Substrates for Good and Poor Language Outcome in Autism. <i>Neuron</i> , 2015, 86, 567-577.	3.8	163
35	Measuring Outcome in an Early Intervention Program for Toddlers with Autism Spectrum Disorder: Use of a Curriculum-Based Assessment. <i>Autism Research & Treatment</i> , 2014, 2014, 1-9.	0.1	30
36	Patches of Disorganization in the Neocortex of Children with Autism. <i>New England Journal of Medicine</i> , 2014, 370, 1209-1219.	13.9	601

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37	Intrinsic connectivity network mapping in young children during natural sleep. <i>NeuroImage</i> , 2013, 83, 288-293.	2.1	19
38	Age-Dependent Brain Gene Expression and Copy Number Anomalies in Autism Suggest Distinct Pathological Processes at Young Versus Mature Ages. <i>PLoS Genetics</i> , 2012, 8, e1002592.	1.5	179
39	A failure of left temporal cortex to specialize for language is an early emerging and fundamental property of autism. <i>Brain</i> , 2012, 135, 949-960.	3.7	265
40	Blood-Based Gene Expression Signatures of Infants and Toddlers With Autism. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2012, 51, 934-944.e2.	0.3	98
41	Abnormal microglial neuronal spatial organization in the dorsolateral prefrontal cortex in autism. <i>Brain Research</i> , 2012, 1456, 72-81.	1.1	193
42	Disrupted Neural Synchronization in Toddlers with Autism. <i>Neuron</i> , 2011, 70, 1218-1225.	3.8	341
43	Brain growth across the life span in autism: Age-specific changes in anatomical pathology. <i>Brain Research</i> , 2011, 1380, 138-145.	1.1	547
44	Genome-wide expression assay comparison across frozen and fixed postmortem brain tissue samples. <i>BMC Genomics</i> , 2011, 12, 449.	1.2	9
45	Neuron Number and Size in Prefrontal Cortex of Children With Autism. <i>JAMA - Journal of the American Medical Association</i> , 2011, 306, 2001.	3.8	621
46	From Toddlers to Adults: The Changing Landscape of the Brain in Autism. , 2011, , 611-631.		17
47	Longitudinal Magnetic Resonance Imaging Study of Cortical Development through Early Childhood in Autism. <i>Journal of Neuroscience</i> , 2010, 30, 4419-4427.	1.7	487
48	Microglial Activation and Increased Microglial Density Observed in the Dorsolateral Prefrontal Cortex in Autism. <i>Biological Psychiatry</i> , 2010, 68, 368-376.	0.7	590
49	Amygdala Enlargement in Toddlers with Autism Related to Severity of Social and Communication Impairments. <i>Biological Psychiatry</i> , 2009, 66, 942-949.	0.7	278
50	Offering to Share: How to Put Heads Together in Autism Neuroimaging. <i>Journal of Autism and Developmental Disorders</i> , 2008, 38, 2-13.	1.7	27
51	Functional neuroimaging of speech perception during a pivotal period in language acquisition. <i>Developmental Science</i> , 2008, 11, 237-252.	1.3	84
52	Atypical functional lateralization of language in autism spectrum disorders. <i>Brain Research</i> , 2008, 1221, 115-125.	1.1	219
53	Deviant Functional Magnetic Resonance Imaging Patterns of Brain Activity to Speech in 2-3-Year-Old Children with Autism Spectrum Disorder. <i>Biological Psychiatry</i> , 2008, 64, 589-598.	0.7	201
54	Mapping Early Brain Development in Autism. <i>Neuron</i> , 2007, 56, 399-413.	3.8	685

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55	No reduction of spindle neuron number in fronto-insular cortex in autism. <i>Brain and Cognition</i> , 2007, 64, 124-129.	0.8	51
56	fMRI during natural sleep as a method to study brain function during early childhood. <i>NeuroImage</i> , 2007, 38, 696-707.	2.1	76
57	MRI Neuroanatomy in Young Girls With Autism. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2007, 46, 515-523.	0.3	129
58	N-acetyl aspartate in autism spectrum disorders: Regional effects and relationship to fMRI activation. <i>Brain Research</i> , 2007, 1162, 85-97.	1.1	54
59	A typical participation of visual cortex during word processing in autism: An fMRI study of semantic decision. <i>Neuropsychologia</i> , 2007, 45, 1672-1684.	0.7	123
60	The Developmental Neurobiology of Autism Spectrum Disorder. <i>Journal of Neuroscience</i> , 2006, 26, 6897-6906.	1.7	384
61	Failing to deactivate: Resting functional abnormalities in autism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 8275-8280.	3.3	549
62	Autism at the beginning: Microstructural and growth abnormalities underlying the cognitive and behavioral phenotype of autism. <i>Development and Psychopathology</i> , 2005, 17, 577-97.	1.4	167
63	Auditory spatial localization and attention deficits in autistic adults. <i>Cognitive Brain Research</i> , 2005, 23, 221-234.	3.3	83
64	Why the frontal cortex in autism might be talking only to itself: local over-connectivity but long-distance disconnection. <i>Current Opinion in Neurobiology</i> , 2005, 15, 225-230.	2.0	817
65	Brain overgrowth in autism during a critical time in development: implications for frontal pyramidal neuron and interneuron development and connectivity. <i>International Journal of Developmental Neuroscience</i> , 2005, 23, 153-170.	0.7	361
66	Localized enlargement of the frontal cortex in early autism. <i>Biological Psychiatry</i> , 2005, 57, 126-133.	0.7	387
67	When Is the Brain Enlarged in Autism? A Meta-Analysis of All Brain Size Reports. <i>Biological Psychiatry</i> , 2005, 58, 1-9.	0.7	564
68	The brain response to personally familiar faces in autism: findings of fusiform activity and beyond. <i>Brain</i> , 2004, 127, 2703-2716.	3.7	367
69	Brain development in autism: Early overgrowth followed by premature arrest of growth. <i>Mental Retardation and Developmental Disabilities Research Reviews</i> , 2004, 10, 106-111.	3.5	268
70	Outcome Classification of Preschool Children With Autism Spectrum Disorders Using MRI Brain Measures. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2004, 43, 349-357.	0.3	117
71	Cerebellar function in autism: Functional magnetic resonance image activation during a simple motor task. <i>Biological Psychiatry</i> , 2004, 56, 269-278.	0.7	209
72	The autistic brain: birth through adulthood. <i>Current Opinion in Neurology</i> , 2004, 17, 489-496.	1.8	194

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73	Evidence of Brain Overgrowth in the First Year of Life in Autism. JAMA - Journal of the American Medical Association, 2003, 290, 337.	3.8	907
74	Differential Effects of Developmental Cerebellar Abnormality on Cognitive and Motor Functions in the Cerebellum: An fMRI Study of Autism. American Journal of Psychiatry, 2003, 160, 262-273.	4.0	313
75	Abnormal Variability and Distribution of Functional Maps in Autism: An fMRI Study of Visuomotor Learning. American Journal of Psychiatry, 2003, 160, 1847-1862.	4.0	143
76	The neurobiological basis of autism from a developmental perspective. Development and Psychopathology, 2002, 14, 613-634.	1.4	144
77	Cerebral Lobes in Autism: Early Hyperplasia and Abnormal Age Effects. NeuroImage, 2002, 16, 1038-1051.	2.1	510
78	Atypical patterns of cerebral motor activation in autism: a functional magnetic resonance study. Biological Psychiatry, 2001, 49, 665-676.	0.7	175
79	Evidence for a cerebellar role in reduced exploration and stereotyped behavior in autism. Biological Psychiatry, 2001, 49, 655-664.	0.7	427
80	Event-related brain response abnormalities in autism: evidence for impaired cerebello-frontal spatial attention networks. Cognitive Brain Research, 2001, 11, 127-145.	3.3	161
81	Prenatal, Perinatal, and Neonatal Factors in Autism, Pervasive Developmental Disorder-Not Otherwise Specified, and the General Population. Pediatrics, 2001, 107, e63-e63.	1.0	184
82	Normal Brain Development and Aging: Quantitative Analysis at in Vivo MR Imaging in Healthy Volunteers. Radiology, 2000, 216, 672-682.	3.6	912
83	Spatial Attention Deficits in Patients with Acquired or Developmental Cerebellar Abnormality. Journal of Neuroscience, 1999, 19, 5632-5643.	1.7	292
84	Neuroanatomic contributions to slowed orienting of attention in children with autism. Cognitive Brain Research, 1999, 8, 61-71.	3.3	162
85	Functionally independent components of early event-related potentials in a visual spatial attention task. Philosophical Transactions of the Royal Society B: Biological Sciences, 1999, 354, 1135-1144.	1.8	76
86	Linkage-Disequilibrium Mapping of Autistic Disorder, with 15q11-13 Markers. American Journal of Human Genetics, 1998, 62, 1077-1083.	2.6	347
87	The Cerebellum: So Much More. , 1998, 282, 879d-879.		21
88	From impasse to insight in autism research: From behavioral symptoms to biological explanations. Development and Psychopathology, 1997, 9, 389-419.	1.4	25
89	Attentional Activation of the Cerebellum Independent of Motor Involvement. Science, 1997, 275, 1940-1943.	6.0	722
90	Brainstem, cerebellar and limbic neuroanatomical abnormalities in autism. Current Opinion in Neurobiology, 1997, 7, 269-278.	2.0	436

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91	Prediction and preparation: Anticipatory role of the cerebellum in diverse neurobehavioral functions. Behavioral and Brain Sciences, 1997, 20, 248-249.	0.4	6
92	Slowed orienting of covert visual-spatial attention in autism: Specific deficits associated with cerebellar and parietal abnormality. Development and Psychopathology, 1996, 8, 563-584.	1.4	124
93	Visual attention abnormalities in autism: Delayed orienting to location. Journal of the International Neuropsychological Society, 1996, 2, 541-550.	1.2	138
94	Parietal Damage and Narrow "Spotlight" Spatial Attention. Journal of Cognitive Neuroscience, 1994, 6, 220-232.	1.1	104
95	Impairment in shifting attention in autistic and cerebellar patients.. Behavioral Neuroscience, 1994, 108, 848-865.	0.6	535
96	Cerebellar hypoplasia and hyperplasia in infantile autism. Lancet, The, 1994, 343, 63-64.	6.3	72
97	Neural activity-dependent brain changes in development: Implications for psychopathology. Development and Psychopathology, 1994, 6, 697-722.	1.4	63
98	In vivo Myeloarchitectonic Analysis of Human Striate and Extrastriate Cortex Using Magnetic Resonance Imaging. Cerebral Cortex, 1992, 2, 417-424.	1.6	145
99	Neuroanatomic Imaging in Autism. Pediatrics, 1991, 87, 781-790.	1.0	110
100	Effects of focused selective attention tasks on event-related potentials in autistic and normal individuals. Electroencephalography and Clinical Neurophysiology, 1990, 75, 207-220.	0.3	155
101	Abnormal Neuroanatomy in a Nonretarded Person With Autism. Archives of Neurology, 1987, 44, 335.	4.9	144
102	Autism: Processing of novel auditory information assessed by event-related brain potentials. Electroencephalography and Clinical Neurophysiology - Evoked Potentials, 1984, 59, 238-248.	2.0	190
103	Event-Related Brain Potentials to Human Faces in Infants. Child Development, 1981, 52, 804.	1.7	207