Karen Pierce

List of Publications by Year in Descending Order

47 papers	6,042 citations	30 h-index	54 g-index
54 ext. papers	7,769 ext. citations	11.8 avg, IF	5.7 L-index

#	Paper	IF	Citations
47	Neural responses to affective speech, including motherese, map onto clinical and social eye tracking profiles in toddlers with ASD.. *Nature Human Behaviour*, **2022**,	12.8	3
46	Large scale validation of an early-age eye-tracking biomarker of an autism spectrum disorder subtype.. *Scientific Reports*, **2022**, 12, 4253	4.9	2
45	Prevalence and Characteristics of Autism Spectrum Disorder Among Children Aged 8 Years - Autism and Developmental Disabilities Monitoring Network, 11 Sites, United States, 2018. *MMWR Surveillance Summaries*, **2021**, 70, 1-16	54.1	146
44	Early Identification of Autism Spectrum Disorder Among Children Aged 4 Years - Autism and Developmental Disabilities Monitoring Network, 11 Sites, United States, 2018. *MMWR Surveillance Summaries*, **2021**, 70, 1-14	54.1	12
43	Atypical genomic cortical patterning in autism with poor early language outcome. *Science Advances*, **2021**, 7, eabh1663	14.3	1
42	Get SET Early to Identify and Treatment Refer Autism Spectrum Disorder at 1 Year and Discover Factors That Influence Early Diagnosis. *Journal of Pediatrics*, **2021**, 236, 179-188	3.6	8
41	Multiple freeze-thaw cycles lead to a loss of consistency in poly(A)-enriched RNA sequencing. *BMC Genomics*, **2021**, 22, 69	4.5	3
40	Large-scale targeted sequencing identifies risk genes for neurodevelopmental disorders. *Nature Communications*, **2020**, 11, 4932	17.4	25
39	Identifying prognostic markers in autism spectrum disorder using eye tracking. *Autism*, **2020**, 24, 658-669	6.6	12
38	Evaluation of the Diagnostic Stability of the Early Autism Spectrum Disorder Phenotype in the General Population Starting at 12 Months. *JAMA Pediatrics*, **2019**, 173, 578-587	8.3	108
37	Typical Levels of Eye-Region Fixation in Toddlers With Autism Spectrum Disorder Across Multiple Contexts. *Journal of the American Academy of Child and Adolescent Psychiatry*, **2019**, 58, 1004-1015	7.2	19
36	Naturalistic language sampling to characterize the language abilities of 3-year-olds with autism spectrum disorder. *Autism*, **2019**, 23, 699-712	6.6	21
35	The ASD Living Biology: from cell proliferation to clinical phenotype. *Molecular Psychiatry*, **2019**, 24, 88-107	15.1	127
34	Default mode-visual network hypoconnectivity in an autism subtype with pronounced social visual engagement difficulties. *ELife*, **2019**, 8,	8.9	17
33	A perturbed gene network containing PI3K-AKT, RAS-ERK and WNT-β-catenin pathways in leukocytes is linked to ASD genetics and symptom severity. *Nature Neuroscience*, **2019**, 22, 1624-1634	25.5	31
32	Paternally inherited cis-regulatory structural variants are associated with autism. *Science*, **2018**, 360, 327-331	33.3	106
31	The geometric preference subtype in ASD: identifying a consistent, early-emerging phenomenon through eye tracking. *Molecular Autism*, **2018**, 9, 19	6.5	36

30	Rethinking the idea of late autism spectrum disorder onset. *Development and Psychopathology*, **2018**, 30, 553-569	4.3	25
29	Large-scale associations between the leukocyte transcriptome and BOLD responses to speech differ in autism early language outcome subtypes. *Nature Neuroscience*, **2018**, 21, 1680-1688	25.5	32
28	Altered proliferation and networks in neural cells derived from idiopathic autistic individuals. *Molecular Psychiatry*, **2017**, 22, 820-835	15.1	224
27	Toddlers later diagnosed with autism exhibit multiple structural abnormalities in temporal corpus callosum fibers. *Cortex*, **2017**, 97, 291-305	3.8	27
26	Targeted sequencing identifies 91 neurodevelopmental-disorder risk genes with autism and developmental-disability biases. *Nature Genetics*, **2017**, 49, 515-526	36.3	283
25	Diffusion Tensor Imaging Provides Evidence of Possible Axonal Overconnectivity in Frontal Lobes in Autism Spectrum Disorder Toddlers. *Biological Psychiatry*, **2016**, 79, 676-84	7.9	99
24	Eye Tracking Reveals Abnormal Visual Preference for Geometric Images as an Early Biomarker of an Autism Spectrum Disorder Subtype Associated With Increased Symptom Severity. *Biological Psychiatry*, **2016**, 79, 657-66	7.9	165
23	Frequency and Complexity of De Novo Structural Mutation in Autism. *American Journal of Human Genetics*, **2016**, 98, 667-79	11	61
22	To Screen or Not to Screen Universally for Autism is not the Question: Why the Task Force Got It Wrong. *Journal of Pediatrics*, **2016**, 176, 182-94	3.6	48
21	Different functional neural substrates for good and poor language outcome in autism. *Neuron*, **2015**, 86, 567-77	13.9	123
20	Early Intervention for Children With Autism Spectrum Disorder Under 3 Years of Age: Recommendations for Practice and Research. *Pediatrics*, **2015**, 136 Suppl 1, S60-81	7.4	350
19	Early Screening of Autism Spectrum Disorder: Recommendations for Practice and Research. *Pediatrics*, **2015**, 136 Suppl 1, S41-59	7.4	150
18	Cell cycle networks link gene expression dysregulation, mutation, and brain maldevelopment in autistic toddlers. *Molecular Systems Biology*, **2015**, 11, 841	12.2	53
17	Prediction of autism by translation and immune/inflammation coexpressed genes in toddlers from pediatric community practices. *JAMA Psychiatry*, **2015**, 72, 386-94	14.5	62
16	Measuring outcome in an early intervention program for toddlers with autism spectrum disorder: use of a curriculum-based assessment. *Autism Research & Treatment*, **2014**, 2014, 964704	3.2	23
15	An Overabundance of Prefrontal Cortex Neurons Underlies Early Brain Overgrowth in Autism **2013**, 73-83		1
14	A failure of left temporal cortex to specialize for language is an early emerging and fundamental property of autism. *Brain*, **2012**, 135, 949-60	11.2	214
13	Blood-based gene expression signatures of infants and toddlers with autism. *Journal of the American Academy of Child and Adolescent Psychiatry*, **2012**, 51, 934-44.e2	7.2	64

12	Disrupted neural synchronization in toddlers with autism. *Neuron*, **2011**, 70, 1218-25	13.9	284
11	Detecting, studying, and treating autism early: the one-year well-baby check-up approach. *Journal of Pediatrics*, **2011**, 159, 458-465.e1-6	3.6	154
10	Early functional brain development in autism and the promise of sleep fMRI. *Brain Research*, **2011**, 1380, 162-74	3.7	33
9	Neuron number and size in prefrontal cortex of children with autism. *JAMA - Journal of the American Medical Association*, **2011**, 306, 2001-10	27.4	493
8	Preference for geometric patterns early in life as a risk factor for autism. *Archives of General Psychiatry*, **2011**, 68, 101-9		267
7	Longitudinal magnetic resonance imaging study of cortical development through early childhood in autism. *Journal of Neuroscience*, **2010**, 30, 4419-27	6.6	409
6	The power and promise of identifying autism early: insights from the search for clinical and biological markers. *Annals of Clinical Psychiatry*, **2009**, 21, 132-47	1.4	22
5	Fusiform function in children with an autism spectrum disorder is a matter of "who". *Biological Psychiatry*, **2008**, 64, 552-60	7.9	140
4	Mapping early brain development in autism. *Neuron*, **2007**, 56, 399-413	13.9	561
3	Brain overgrowth in autism during a critical time in development: implications for frontal pyramidal neuron and interneuron development and connectivity. *International Journal of Developmental Neuroscience*, **2005**, 23, 153-70	2.7	305
2	Why the frontal cortex in autism might be talking only to itself: local over-connectivity but long-distance disconnection. *Current Opinion in Neurobiology*, **2005**, 15, 225-30	7.6	692
1	Disrupted intrinsic connectivity links to language and social deficits in toddlers with autism		1