Sara Calderoni

List of Publications by Year
in descending order

97 papers	3,846 citations	126858 33 h-index	155592 55 g-index
105 all docs	105 docs citations	105 times ranked	6062 citing authors

#	Article	IF	Citations
1	Cortical and Subcortical Brain Morphometry Differences Between Patients With Autism Spectrum Disorder and Healthy Individuals Across the Lifespan: Results From the ENIGMA ASD Working Group. American Journal of Psychiatry, 2018, 175, 359-369.	4.0	356
2	Altered structural brain asymmetry in autism spectrum disorder in a study of 54 datasets. Nature Communications, 2019, 10, 4958.	5.8	167
3	Anatomical and cellular localization of melatonin <scp>MT</scp>₁ and <scp>MT</scp>₂ receptors in the adult rat brain. Journal of Pineal Research, 2015, 58, 397-417.	3.4	142
4	Virtual Histology of Cortical Thickness and Shared Neurobiology in 6 Psychiatric Disorders. JAMA Psychiatry, 2021, 78, 47.	6.0	136
5	Gut to brain interaction in Autism Spectrum Disorders: a randomized controlled trial on the role of probiotics on clinical, biochemical and neurophysiological parameters. BMC Psychiatry, 2016, 16, 183.	1.1	133
6	Gastrointestinal symptoms and behavioral problems in preschoolers with Autism Spectrum Disorder. Digestive and Liver Disease, 2016, 48, 248-254.	0.4	120
7	Subcortical Brain Volume, Regional Cortical Thickness, and Cortical Surface Area Across Disorders: Findings From the ENIGMA ADHD, ASD, and OCD Working Groups. American Journal of Psychiatry, 2020, 177, 834-843.	4.0	120
8	Prevalence of Autism Spectrum Disorder in a large Italian catchment area: a school-based population study within the ASDEU project. Epidemiology and Psychiatric Sciences, 2020, 29, e5.	1.8	111
9	A systematic review of structural MRI biomarkers in autism spectrum disorder: A machine learning perspective. International Journal of Developmental Neuroscience, 2018, 71, 68-82.	0.7	102
10	Female children with autism spectrum disorder: An insight from mass-univariate and pattern classification analyses. NeuroImage, 2012, 59, 1013-1022.	2.1	95
11	White matter connectivity in children with autism spectrum disorders: a tract-based spatial statistics study. BMC Neurology, 2012, 12, 148.	0.8	95
12	Neuropsychological Profile in High Functioning Autism Spectrum Disorders. Journal of Autism and Developmental Disorders, 2013, 43, 1895-1909.	1.7	89
13	Effects of Probiotic Supplementation on Gastrointestinal, Sensory and Core Symptoms in Autism Spectrum Disorders: A Randomized Controlled Trial. Frontiers in Psychiatry, 2020, 11, 550593.	1.3	86
14	On the Application of Quantitative EEG for Characterizing Autistic Brain: A Systematic Review. Frontiers in Human Neuroscience, 2013, 7, 442.	1.0	85
15	Evaluating Sex and Age Differences in ADI-R and ADOS Scores in a Large European Multi-site Sample of Individuals with Autism Spectrum Disorder. Journal of Autism and Developmental Disorders, 2018, 48, 2490-2505.	1.7	83
16	The CBCL 1.5â€“5 and the identification of preschoolers with autism in Italy. Epidemiology and Psychiatric Sciences, 2011, 20, 329-338.	1.8	78
17	The effect of gender on the neuroanatomy of children with autism spectrum disorders: a support vector machine case-control study. Molecular Autism, 2016, 7, 5.	2.6	75
18	The Broad Autism (Endo)Phenotype: Neurostructural and Neurofunctional Correlates in Parents of Individuals with Autism Spectrum Disorders. Frontiers in Neuroscience, 2016, 10, 346.	1.4	74

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19	Behavioral Phenotype of ASD Preschoolers with Gastrointestinal Symptoms or Food Selectivity. Journal of Autism and Developmental Disorders, 2017, 47, 3574-3588.	1.7	62
20	Consortium neuroscience of attention deficit/hyperactivity disorder and autism spectrum disorder: The <scp>ENIGMA</scp> adventure. Human Brain Mapping, 2022, 43, 37-55.	1.9	61
21	Disentangling the initiation from the response in joint attention: an eye-tracking study in toddlers with autism spectrum disorders. Translational Psychiatry, 2016, 6, e808-e808.	2.4	57
22	Gray Matter Alterations in Young Children with Autism Spectrum Disorders: Comparing Morphometry at the Voxel and Regional Level. Journal of Neuroimaging, 2015, 25, 866-874.	1.0	54
23	Child Behavior Check List 1Â½â€“5 as a tool to identify toddlers with Autism Spectrum Disorders: A case-control study. Research in Developmental Disabilities, 2013, 34, 1179-1189.	1.2	50
24	Network overâ€connectivity differentiates autism spectrum disorder from other developmental disorders in toddlers: A diffusion MRI study. Human Brain Mapping, 2017, 38, 2333-2344.	1.9	48
25	The first 1000 days of the autistic brain: a systematic review of diffusion imaging studies. Frontiers in Human Neuroscience, 2015, 9, 159.	1.0	46
26	Motor Skills as Moderators of Core Symptoms in Autism Spectrum Disorders: Preliminary Data From an Exploratory Analysis With Artificial Neural Networks. Frontiers in Psychology, 2018, 9, 2683.	1.1	46
27	Low-Dose Olanzapine Monotherapy in Girls with Anorexia Nervosa, Restricting Subtype: Focus on Hyperactivity. Journal of Child and Adolescent Psychopharmacology, 2010, 20, 127-133.	0.7	44
28	An integrated EEG and eye-tracking approach for the study of responding and initiating joint attention in Autism Spectrum Disorders. Scientific Reports, 2017, 7, 13560.	1.6	42
29	Brain anatomy of autism spectrum disorders II. Focus on amygdala. Epidemiology and Psychiatric Sciences, 2013, 22, 309-312.	1.8	40
30	Application of the Repetitive Behavior Scale-Revised â€“ Italian version â€“ in preschoolers with autism spectrum disorder. Research in Developmental Disabilities, 2016, 48, 43-52.	1.2	40
31	Heart Rate Variability During a Joint Attention Task in Toddlers With Autism Spectrum Disorders. Frontiers in Physiology, 2018, 9, 467.	1.3	40
32	Neuropsychological functioning in children and adolescents with restrictive-type anorexia nervosa: An in-depth investigation with NEPSYâ€“II. Journal of Clinical and Experimental Neuropsychology, 2013, 35, 167-179.	0.8	39
33	An Integrated Approach for the Monitoring of Brain and Autonomic Response of Children with Autism Spectrum Disorders during Treatment by Wearable Technologies. Frontiers in Neuroscience, 2016, 10, 276.	1.4	37
34	The broad autism phenotype in real-life: clinical and functional correlates of autism spectrum symptoms and rumination among parents of patients with autism spectrum disorder. CNS Spectrums, 2020, 25, 765-773.	0.7	36
35	Are children born after assisted reproductive technology at increased risk of autism spectrum disorders? A systematic review. Human Reproduction, 2013, 28, 3316-3327.	0.4	34
36	Lateralization of Brain Networks and Clinical Severity in Toddlers with Autism Spectrum Disorder: A HARDI Diffusion MRI Study. Autism Research, 2016, 9, 382-392.	2.1	33

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37	Olfactory Processing in Male Children with Autism: Atypical Odor Threshold and Identification. Journal of Autism and Developmental Disorders, 2017, 47, 3243-3251.	1.7	33
38	Basal ganglia and restricted and repetitive behaviours in Autism Spectrum Disorders: current status and future perspectives. Epidemiology and Psychiatric Sciences, 2014, 23, 235-238.	1.8	31
39	Contextual priors do not modulate action prediction in children with autism. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20191319.	1.2	30
40	The effect of age, sex and clinical features on the volume of Corpus Callosum in preâ€schoolers with Autism Spectrum Disorder: a caseâ€“control study. European Journal of Neuroscience, 2018, 47, 568-578.	1.2	29
41	Pre-linguistic Vocal Trajectories at 6â€“18 Months of Age As Early Markers of Autism. Frontiers in Psychology, 2016, 7, 1595.	1.1	25
42	Evaluation of Altered Functional Connections in Male Children With Autism Spectrum Disorders on Multiple-Site Data Optimized With Machine Learning. Frontiers in Psychiatry, 2019, 10, 620.	1.3	25
43	Inflammatory Biomarkers are Correlated with Some Forms of Regressive Autism Spectrum Disorder. Brain Sciences, 2019, 9, 366.	1.1	25
44	Subtly altered topological asymmetry of brain structural covariance networks in autism spectrum disorder across 43 datasets from the ENIGMA consortium. Molecular Psychiatry, 2022, 27, 2114-2125.	4.1	25
45	Brain anatomy of autism spectrum disorders I. Focus on corpus callosum. Epidemiology and Psychiatric Sciences, 2013, 22, 217-221.	1.8	24
46	Rehabilitative Interventions and Brain Plasticity in Autism Spectrum Disorders: Focus on MRI-Based Studies. Frontiers in Neuroscience, 2016, 10, 139.	1.4	24
47	Serological screening for Celiac Disease in 382 pre-schoolers with Autism Spectrum Disorder. Italian Journal of Pediatrics, 2016, 42, 98.	1.0	24
48	Tracing back to the onset of abnormal head circumference growth in Italian children with autism spectrum disorder. Research in Autism Spectrum Disorders, 2012, 6, 442-449.	0.8	23
49	Multimodal Functional and Structural Brain Connectivity Analysis in Autism: A Preliminary Integrated Approach With EEG, fMRI, and DTI. IEEE Transactions on Cognitive and Developmental Systems, 2018, 10, 213-226.	2.6	23
50	Autism Spectrum Disorder and Childhood Apraxia of Speech: Early Language-Related Hallmarks across Structural MRI Study. Journal of Personalized Medicine, 2020, 10, 275.	1.1	22
51	One-Class Support Vector Machines Identify the Language and Default Mode Regions As Common Patterns of Structural Alterations in Young Children with Autism Spectrum Disorders. Frontiers in Neuroscience, 2016, 10, 306.	1.4	21
52	Emotional processing deficits in Italian children with Disruptive Behavior Disorder: The role of callous unemotional traits. Behaviour Research and Therapy, 2019, 113, 32-38.	1.6	21
53	Sex Differences in Autism Spectrum Disorder: An Investigation on Core Symptoms and Psychiatric Comorbidity in Preschoolers. Frontiers in Integrative Neuroscience, 2020, 14, 594082.	1.0	21
54	Outcome predictors in autism spectrum disorders preschoolers undergoing treatment as usual: insights from an observational study using artificial neural networks. Neuropsychiatric Disease and Treatment, 2015, 11, 1587.	1.0	20

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55	Dealing with confounders and outliers in classification medical studies: The Autism Spectrum Disorders case study. Artificial Intelligence in Medicine, 2020, 108, 101926.	3.8	20
56	Brainstem enlargement in preschool children with autism: Results from an intermethod agreement study of segmentation algorithms. Human Brain Mapping, 2019, 40, 7-19.	1.9	19
57	Selective cognitive empathy deficit in adolescents with restrictive anorexia nervosa. Neuropsychiatric Disease and Treatment, 2013, 9, 1583.	1.0	18
58	Temporal lobe connects regression and macrocephaly to autism spectrum disorders. European Child and Adolescent Psychiatry, 2016, 25, 421-429.	2.8	18
59	Dietary Patterns and Weight Status in Italian Preschoolers with Autism Spectrum Disorder and Typically Developing Children. Nutrients, 2021, 13, 4039.	1.7	18
60	Transdiagnostic vs. disorder-focused perspective in children and adolescents with eating disorders: Findings from a large multisite exploratory study. European Psychiatry, 2018, 49, 81-93.	0.1	17
61	Parental Perspectives on Psychiatric Comorbidity in Preschoolers With Autism Spectrum Disorders Receiving Publicly Funded Mental Health Services. Frontiers in Psychiatry, 2019, 10, 107.	1.3	17
62	Interventions on Microbiota: Where Do We Stand on a Gutâ€“Brain Link in Autism? A Systematic Review. Nutrients, 2022, 14, 462.	1.7	17
63	Sex/gender differences in children with autism spectrum disorder: A brief overview on epidemiology, symptom profile, and neuroanatomy. Journal of Neuroscience Research, 2023, 101, 739-750.	1.3	17
64	The impact of internalizing symptoms on autistic traits in adolescents with restrictive anorexia nervosa. Neuropsychiatric Disease and Treatment, 2015, 11, 75.	1.0	16
65	Post-Traumatic Stress Reactions in Caregivers of Children and Adolescents/Young Adults with Severe Diseases: A Systematic Review of Risk and Protective Factors. International Journal of Environmental Research and Public Health, 2021, 18, 189.	1.2	15
66	Autonomic Nervous System Response during Light Physical Activity in Adolescents with Anorexia Nervosa Measured by Wearable Devices. Sensors, 2019, 19, 2820.	2.1	14
67	Autistic traits impact on olfactory processing in adolescent girls with Anorexia Nervosa restricting type. Psychiatry Research, 2019, 274, 20-26.	1.7	14
68	Vocal and motor behaviors as a possible expression of gastrointestinal problems in preschoolers with Autism Spectrum Disorder. BMC Pediatrics, 2019, 19, 466.	0.7	14
69	Moving Toward Telehealth Surveillance Services for Toddlers at Risk for Autism During the COVID-19 Pandemic. Frontiers in Psychiatry, 2020, 11, 565999.	1.3	14
70	Neuroimaging-based methods for autism identification: a possible translational application?. Functional Neurology, 2014, 29, 231-9.	1.3	14
71	Sympathetic arousal in children with oppositional defiant disorder and its relation to emotional dysregulation. Journal of Affective Disorders, 2019, 257, 207-213.	2.0	12
72	Neuroimaging-based methods for autism identification: a possible translational application?. Functional Neurology, 0, , .	1.3	11

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73	Virtual Ontogeny of Cortical Growth Preceding Mental Illness. Biological Psychiatry, 2022, 92, 299-313.	0.7	11
74	A randomized controlled trial into the effects of probiotics on electroencephalography in preschoolers with autism. Autism, 2023, 27, 117-132.	2.4	10
75	Multi-site harmonization of MRI data uncovers machine-learning discrimination capability in barely separable populations: An example from the ABIDE dataset. NeuroImage: Clinical, 2022, 35, 103082.	1.4	10
76	Excessive physical activity in young girls with restrictive-type anorexia nervosa: its role on cardiac structure and performance. Eating and Weight Disorders, 2018, 23, 653-663.	1.2	9
77	Evaluation of Chromosome Microarray Analysis in a Large Cohort of Females with Autism Spectrum Disorders: A Single Center Italian Study. Journal of Personalized Medicine, 2020, 10, 160.	1.1	9
78	Lower gray matter volumes of frontal lobes and insula in adolescents with anorexia nervosa restricting type: Findings from a Brain Morphometry Study. European Psychiatry, 2020, 63, e27.	0.1	9
79	Looking for â€œfNIRS Signatureâ€•in Autism Spectrum: A Systematic Review Starting From Preschoolers. Frontiers in Neuroscience, 2022, 16, 785993.	1.4	9
80	George Frankl: an undervalued voice in the history of autism. European Child and Adolescent Psychiatry, 2021, 30, 1273-1280.	2.8	8
81	Parenting practices moderate the link between attention to the eyes and callous unemotional traits in children with Disruptive Behavior Disorder: An eye-tracking study. Journal of Psychiatric Research, 2022, 146, 272-278.	1.5	8
82	ARIANNA: A research environment for neuroimaging studies in autism spectrum disorders. Computers in Biology and Medicine, 2017, 87, 1-7.	3.9	7
83	Brain Network Organization Correlates with Autistic Features in Preschoolers with Autism Spectrum Disorders and in Their Fathers: Preliminary Data from a DWI Analysis. Journal of Clinical Medicine, 2019, 8, 487.	1.0	7
84	How Attention to Faces and Objects Changes Over Time in Toddlers with Autism Spectrum Disorders: Preliminary Evidence from An Eye Tracking Study. Brain Sciences, 2019, 9, 344.	1.1	7
85	Are Fecal Metabolome and Microbiota Profiles Correlated with Autism Severity? A Cross-Sectional Study on ASD Preschoolers. Metabolites, 2021, 11, 654.	1.3	6
86	Psychopathic traits and emotion processing in a clinical sample of children with disruptive behavior disorder. Current Psychology, 2023, 42, 19981-19990.	1.7	6
87	Correlation among maternal risk factors, gene methylation and disease severity in females with autism spectrum disorder. Epigenomics, 2022, 14, 175-185.	1.0	5
88	Node Centrality Measures Identify Relevant Structural MRI Features of Subjects with Autism. Brain Sciences, 2021, 11, 498.	1.1	4
89	Focusing on Autism Spectrum Disorder in Xiaâ€“Gibbs Syndrome: Description of a Female with High Functioning Autism and Literature Review. Children, 2021, 8, 450.	0.6	4
90	Psychiatric assessment. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2020, 174, 217-238.	1.0	3

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91	Prevalence and Clinical Features of Celiac Disease in a Cohort of Italian Children with Autism Spectrum Disorders. Nutrients, 2021, 13, 3046.	1.7	3
92	High angular resolution diffusion imaging in a child with autism spectrum disorder and comparison with his unaffected identical twin. Functional Neurology, 2015, 30, 203-8.	1.3	3
93	Parent-child Interaction Treatment for Preschoolers with Feeding Disorders. Israel Journal of Psychiatry, 2016, 53, 63-72.	0.2	3
94	Machine learning techniques implemented ON structural MRI features at different spatial scales for preschoolers with autism spectrum disorders. Physica Medica, 2016, 32, 128.	0.4	2
95	Feeding disorders in preschoolers: a short-term outcome study in an Italian Family Care Program. Eating and Weight Disorders, 2021, , 1.	1.2	1
96	Vitamin D Status in Children with Autism Spectrum Disorders: Determinants and Effects of the Response to Probiotic Supplementation. Metabolites, 2022, 12, 611.	1.3	1
97	Processing Magnetic Resonance Image Features with One-class Support Vector Machines. , 2016, , .		0