

Bart Boets

List of Publications by Year in descending order

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Version: 2024-02-01

83
papers

4,719
citations

136950

32
h-index

106344

65
g-index

91
all docs

91
docs citations

91
times ranked

4320
citing authors

#	ARTICLE	IF	CITATIONS
1	Precise minds in uncertain worlds: Predictive coding in autism.. Psychological Review, 2014, 121, 649-675.	3.8	601
2	Intact But Less Accessible Phonetic Representations in Adults with Dyslexia. Science, 2013, 342, 1251-1254.	12.6	352
3	Working memory and individual differences in mathematics achievement: A longitudinal study from first grade to second grade. Journal of Experimental Child Psychology, 2009, 103, 186-201.	1.4	293
4	A qualitative and quantitative review of diffusion tensor imaging studies in reading and dyslexia. Neuroscience and Biobehavioral Reviews, 2012, 36, 1532-1552.	6.1	281
5	A tractography study in dyslexia: neuroanatomic correlates of orthographic, phonological and speech processing. Brain, 2012, 135, 935-948.	7.6	261
6	Preschool impairments in auditory processing and speech perception uniquely predict future reading problems. Research in Developmental Disabilities, 2011, 32, 560-570.	2.2	141
7	Modelling relations between sensory processing, speech perception, orthographic and phonological ability, and literacy achievement. Brain and Language, 2008, 106, 29-40.	1.6	140
8	Altered functional connectivity of the language network in ASD: Role of classical language areas and cerebellum. NeuroImage: Clinical, 2014, 4, 374-382.	2.7	139
9	Auditory processing, speech perception and phonological ability in pre-school children at high-risk for dyslexia: A longitudinal study of the auditory temporal processing theory. Neuropsychologia, 2007, 45, 1608-1620.	1.6	132
10	A review of behavioural and electrophysiological studies on auditory processing and speech perception in autism spectrum disorders. Research in Autism Spectrum Disorders, 2011, 5, 701-714.	1.5	126
11	Cognitive flexibility in autism spectrum disorder: Explaining the inconsistencies?. Research in Autism Spectrum Disorders, 2011, 5, 1390-1401.	1.5	126
12	Phonological processing and arithmetic fact retrieval: Evidence from developmental dyslexia. Neuropsychologia, 2010, 48, 3973-3981.	1.6	125
13	Adults with dyslexia are impaired in categorizing speech and nonspeech sounds on the basis of temporal cues. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 10389-10394.	7.1	111
14	Towards a further characterization of phonological and literacy problems in Dutch-speaking children with dyslexia. British Journal of Developmental Psychology, 2010, 28, 5-31.	1.7	103
15	Impairments in speech and nonspeech sound categorization in children with dyslexia are driven by temporal processing difficulties. Research in Developmental Disabilities, 2011, 32, 593-603.	2.2	87
16	Auditory temporal information processing in preschool children at family risk for dyslexia: Relations with phonological abilities and developing literacy skills. Brain and Language, 2006, 97, 64-79.	1.6	78
17	Executive functioning in autism spectrum disorders: influence of task and sample characteristics and relation to symptom severity. European Child and Adolescent Psychiatry, 2015, 24, 1399-1417.	4.7	78
18	Coherent Motion Sensitivity and Reading Development in the Transition From Prereading to Reading Stage. Child Development, 2011, 82, 854-869.	3.0	74

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19	Behavioral effects of multiple-dose oxytocin treatment in autism: a randomized, placebo-controlled trial with long-term follow-up. <i>Molecular Autism</i> , 2020, 11, 6.	4.9	71
20	Is There a Common Neuroanatomical Substrate of Language Deficit between Autism Spectrum Disorder and Specific Language Impairment?. <i>Cerebral Cortex</i> , 2012, 22, 2263-2271.	2.9	69
21	Speech perception in preschoolers at family risk for dyslexia: Relations with low-level auditory processing and phonological ability. <i>Brain and Language</i> , 2007, 101, 19-30.	1.6	67
22	Reduced sensitivity to slow-rate dynamic auditory information in children with dyslexia. <i>Research in Developmental Disabilities</i> , 2011, 32, 2810-2819.	2.2	62
23	A flexible auditory research platform using acoustic or electric stimuli for adults and young children. <i>Journal of Neuroscience Methods</i> , 2005, 142, 131-136.	2.5	58
24	Weak Priors versus Overfitting of Predictions in Autism: Reply to Pellicano and Burr (<i><i>TICS</i></i>), <i>Tj ETQq0 0 0 rgBTJ /Overlock_10 Tf 50</i>	1.4	58
25	Auditory Steady State Cortical Responses Indicate Deviant Phonemic-Rate Processing in Adults With Dyslexia. <i>Ear and Hearing</i> , 2012, 33, 134-143.	2.1	55
26	Development of pharyngoœsophageal physiology during swallowing in the preterm infant. <i>Neurogastroenterology and Motility</i> , 2011, 23, e401-8.	3.0	54
27	Autism spectrum disorder and pupillometry: A systematic review and meta-analysis. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 120, 479-508.	6.1	48
28	Basic number processing and difficulties in single-digit arithmetic: Evidence from Velo-Cardio-Facial Syndrome. <i>Cortex</i> , 2009, 45, 177-188.	2.4	45
29	Auditory processing and speech perception in children with specific language impairment: Relations with oral language and literacy skills. <i>Research in Developmental Disabilities</i> , 2012, 33, 635-644.	2.2	43
30	Local and Global Visual Processing in Autism Spectrum Disorders: Influence of Task and Sample Characteristics and Relation to Symptom Severity. <i>Journal of Autism and Developmental Disorders</i> , 2018, 48, 1359-1381.	2.7	41
31	Reduced neural sensitivity to rapid individual face discrimination in autism spectrum disorder. <i>NeuroImage: Clinical</i> , 2019, 21, 101613.	2.7	41
32	Alterations in the inferior longitudinal fasciculus in autism and associations with visual processing: a diffusion-weighted MRI study. <i>Molecular Autism</i> , 2018, 9, 10.	4.9	39
33	Singleâ€digit arithmetic in children with dyslexia. <i>Dyslexia</i> , 2010, 16, 183-191.	1.5	37
34	Autism as a disconnection syndrome: A qualitative and quantitative review of diffusion tensor imaging studies. <i>Research in Autism Spectrum Disorders</i> , 2014, 8, 387-412.	1.5	37
35	Development of Phonological Processing Skills in Children With Specific Language Impairment With and Without Literacy Delay: A 3-Year Longitudinal Study. <i>Journal of Speech, Language, and Hearing Research</i> , 2012, 55, 1053-1067.	1.6	32
36	Oral language and narrative skills in children with specific language impairment with and without literacy delay: A three-year longitudinal study. <i>Research in Developmental Disabilities</i> , 2012, 33, 1857-1870.	2.2	31

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37	Combined frequency-tagging EEG and eye tracking reveal reduced social bias in boys with autism spectrum disorder. <i>Cortex</i> , 2020, 125, 135-148.	2.4	30
38	Coherent motion detection in preschool children at family risk for dyslexia. <i>Vision Research</i> , 2006, 46, 527-535.	1.4	29
39	Endogenous Oxytocin Levels in Autism – A Meta-Analysis. <i>Brain Sciences</i> , 2021, 11, 1545.	2.3	27
40	Fast Periodic Visual Stimulation EEG Reveals Reduced Neural Sensitivity to Fearful Faces in Children with Autism. <i>Journal of Autism and Developmental Disorders</i> , 2019, 49, 4658-4673.	2.7	26
41	Dyslexia: reconciling controversies within an integrative developmental perspective. <i>Trends in Cognitive Sciences</i> , 2014, 18, 501-503.	7.8	25
42	Parallel versus sequential processing in print and braille reading. <i>Research in Developmental Disabilities</i> , 2012, 33, 2153-2163.	2.2	24
43	Measuring quantitative autism traits in families: informant effect or intergenerational transmission?. <i>European Child and Adolescent Psychiatry</i> , 2015, 24, 385-395.	4.7	24
44	Oxytocin treatment attenuates amygdala activity in autism: a treatment-mechanism study with long-term follow-up. <i>Translational Psychiatry</i> , 2020, 10, 383.	4.8	23
45	Who Is At Risk for Dyslexia? Phonological Processing in Five-to Seven-Year-Old Dutch-Speaking Children With SLI. <i>Scientific Studies of Reading</i> , 2010, 14, 58-84.	2.0	22
46	Executive functioning and local/global visual processing: candidate endophenotypes for autism spectrum disorder?. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2017, 58, 258-269.	5.2	21
47	No association between the 2D:4D fetal testosterone marker and multidimensional attentional abilities in children with ADHD. <i>Developmental Medicine and Child Neurology</i> , 2010, 52, e202-8.	2.1	20
48	Intact neural representations of affective meaning of touch but lack of embodied resonance in autism: a multi-voxel pattern analysis study. <i>Molecular Autism</i> , 2019, 10, 39.	4.9	20
49	Reduced task-dependent modulation of functional network architecture for positive versus negative affective touch processing in autism spectrum disorders. <i>NeuroImage</i> , 2020, 219, 117009.	4.2	19
50	Rapid neural categorization of angry and fearful faces is specifically impaired in boys with autism spectrum disorder. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2020, 61, 1019-1029.	5.2	19
51	Differential cognitive and perceptual correlates of print reading versus braille reading. <i>Research in Developmental Disabilities</i> , 2013, 34, 372-385.	2.2	17
52	Can the N170 Be Used as an Electrophysiological Biomarker Indexing Face Processing Difficulties in Autism Spectrum Disorder?. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019, 4, 321-323.	1.5	16
53	Oxytocin receptor gene (OXTR) DNA methylation is associated with autism and related social traits – A systematic review. <i>Research in Autism Spectrum Disorders</i> , 2021, 85, 101785.	1.5	16
54	Probing the perceptual and cognitive underpinnings of braille reading. An Estonian population study. <i>Research in Developmental Disabilities</i> , 2012, 33, 1366-1379.	2.2	15

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55	Fragile Spectral and Temporal Auditory Processing in Adolescents with Autism Spectrum Disorder and Early Language Delay. <i>Journal of Autism and Developmental Disorders</i> , 2015, 45, 1845-1857.	2.7	15
56	Task-dependent changes in functional connectivity during the observation of social and non-social touch interaction. <i>Cortex</i> , 2020, 125, 73-89.	2.4	14
57	Visuoperceptual processing in children with neurofibromatosis type 1: True deficit or artefact?. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2017, 174, 342-358.	1.7	13
58	No relation between 2Dâ€™:â€™4D fetal testosterone marker and dyslexia. <i>NeuroReport</i> , 2007, 18, 1487-1491.	1.2	12
59	Neural Representations Behind â€™Social Normâ€™ Inferences In Humans. <i>Scientific Reports</i> , 2018, 8, 12943.	3.3	12
60	Combined frequency-tagging EEG and eye-tracking measures provide no support for the â€™excess mouth/diminished eye attentionâ€™ hypothesis in autism. <i>Molecular Autism</i> , 2020, 11, 94.	4.9	12
61	Coherent motion sensitivity predicts individual differences in subtraction. <i>Research in Developmental Disabilities</i> , 2011, 32, 1075-1080.	2.2	11
62	Visual Search in ASD: Instructed Versus Spontaneous Local and Global Processing. <i>Journal of Autism and Developmental Disorders</i> , 2016, 46, 3023-3036.	2.7	9
63	Exploring the Use of Sensorial LTP/LTD-Like Stimulation to Modulate Human Performance for Complex Visual Stimuli. <i>PLoS ONE</i> , 2016, 11, e0158312.	2.5	9
64	The underlying symptom structure of autism spectrum disorders: A factor analytic approach using the developmental, dimensional and diagnostic interview. <i>Research in Autism Spectrum Disorders</i> , 2015, 12, 40-51.	1.5	8
65	Adults with high functioning autism display idiosyncratic behavioral patterns, neural representations and connectivity of the â€™Voice Areaâ€™ while judging the appropriateness of emotional vocal reactions. <i>Cortex</i> , 2020, 125, 90-108.	2.4	8
66	Facial Expression Processing Across the Autismâ€™Psychosis Spectra: A Review of Neural Findings and Associations With Adverse Childhood Events. <i>Frontiers in Psychiatry</i> , 2020, 11, 592937.	2.6	8
67	Frequency-Tagging Electroencephalography of Superimposed Social and Non-Social Visual Stimulation Streams Reveals Reduced Saliency of Faces in Autism Spectrum Disorder. <i>Frontiers in Psychiatry</i> , 2020, 11, 332.	2.6	7
68	Neural processing of facial identity and expression in adults with and without autism: A multi-method approach. <i>NeuroImage: Clinical</i> , 2021, 29, 102520.	2.7	7
69	A Multitude of Neural Representations Behind Multisensory â€™Social Normâ€™ Processing. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 153.	2.0	6
70	Investigating automatic emotion processing in boys with autism via eye tracking and facial mimicry recordings. <i>Autism Research</i> , 2021, 14, 1404-1420.	3.8	5
71	Ventral stream hierarchy underlying perceptual organization in adolescents with autism. <i>NeuroImage: Clinical</i> , 2020, 25, 102197.	2.7	4
72	Monitoring the effect of oxytocin on the neural sensitivity to emotional faces via frequencyâ€™tagging <sc>EEG</sc>: A doubleâ€™blind, crossâ€™over study. <i>Psychophysiology</i> , 2022, 59, e14026.	2.4	4

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73	Visual Processing in Adolescents with Autism Spectrum Disorder: Evidence from Embedded Figures and Configural Superiority Tests. <i>Journal of Autism and Developmental Disorders</i> , 2015, 45, 1281-1290.	2.7	3
74	Do my emotions show or not? Problems with transparency estimation in women with borderline personality disorder features.. <i>Personality Disorders: Theory, Research, and Treatment</i> , 2022, 13, 288-299.	1.3	3
75	Pinpointing the optimal spatial frequency range for automatic neural facial fear processing. <i>NeuroImage</i> , 2020, 221, 117151.	4.2	1
76	Reduced neural sensitivity for implicit individual face discrimination in autism. <i>Journal of Vision</i> , 2018, 18, 712.	0.3	1
77	Eyeing visual pathways in dyslexiaâ€”Response. <i>Science</i> , 2014, 345, 524-524.	12.6	0
78	Corrigendum to â€œCognitive flexibility in autism spectrum disorder: Explaining the inconsistencies?â€• [Research in Autism Spectrum Disorders 5 (2011) 1390â€”1401]. <i>Research in Developmental Disabilities</i> , 2016, 48, 94.	2.2	0
79	Implicit Manipulation of Face Processing Performance with LTP/LTD-like Visual Stimulation. <i>Frontiers in Human Neuroscience</i> , 0, 8, .	2.0	0
80	Passively Improving Face Processing with LTP-like Visual Stimulation. <i>Frontiers in Human Neuroscience</i> , 0, 9, .	2.0	0
81	Aberrant Dynamical Connectivity in Autism Spectrum Disorders. <i>Frontiers in Neuroinformatics</i> , 0, 9, .	2.5	0
82	Fast periodic visual stimulation EEG reveals reduced social bias in autism. <i>Journal of Vision</i> , 2019, 19, 25a.	0.3	0
83	Fast Periodic Visual Stimulation EEG as an implicit measure for perceptual discrimination and categorization of mid-level objects.. <i>Journal of Vision</i> , 2019, 19, 128b.	0.3	0