Ralph-Axel MÃ¼ller

List of Publications by Year
in descending order

122 papers	8,905 citations	34105 52 h-index	46799 89 g-index
128 all docs	128 docs citations	128 times ranked	7536 citing authors

#	Article	IF	Citations
1	Sleep Problems in Preschoolers With Autism Spectrum Disorder Are Associated With Sensory Sensitivities and Thalamocortical Overconnectivity. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2023, 8, 21-31.	1.5	8
2	Blood Oxygen Level-Dependent Lag Patterns Differ Between Rest and Task Conditions, but Are Largely Typical in Autism. Brain Connectivity, 2022, 12, 234-245.	1.7	1
3	EEG microstates suggest atypical restingâ€state network activity in highâ€functioning children and adolescents with autism spectrum development. Developmental Science, 2022, 25, e13231.	2.4	15
4	Cortical myelination in toddlers and preschoolers with autism spectrum disorder. Developmental Neurobiology, 2022, 82, 261-274.	3.0	10
5	Underconnectivity Between Visual and Salience Networks and Links With Sensory Abnormalities in Autism Spectrum Disorders. Journal of the American Academy of Child and Adolescent Psychiatry, 2021, 60, 274-285.	0.5	10
6	Greater functional connectivity between sensory networks is related to symptom severity in toddlers with autism spectrum disorder. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2021, 62, 160-170.	5.2	19
7	MEG Theta during Lexico-Semantic and Executive Processing Is Altered in High-Functioning Adolescents with Autism. Cerebral Cortex, 2021, 31, 1116-1130.	2.9	6
8	Performance of machine learning classification models of autism using resting-state fMRI is contingent on sample heterogeneity. Neural Computing and Applications, 2021, 33, 3299-3310.	5.6	30
9	Functional Connectivity in Autism Spectrum Disorders: Challenges and Perspectives. , 2021, , 239-272.		0
10	Supplementary and Premotor Aspects of the Corticospinal Tract Show Links with Restricted and Repetitive Behaviors in Middle-Aged Adults with Autism Spectrum Disorder. Cerebral Cortex, 2021, 31, 3962-3972.	2.9	7
11	Functional connectivity within an anxiety network and associations with anxiety symptom severity in middleâ€aged adults with and without autism. Autism Research, 2021, 14, 2100-2112.	3.8	5
12	Morphometry and functional connectivity of auditory cortex in school-age children with profound language disabilities: Five comparative case studies. Brain and Cognition, 2021, 155, 105822.	1.8	0
13	Impaired motor skills and atypical functional connectivity of the sensorimotor system in 40- to 65-year-old adults with autism spectrum disorders. Neurobiology of Aging, 2020, 85, 104-112.	3.1	19
14	Atypical Relationships Between Spontaneous EEG and fMRI Activity in Autism. Brain Connectivity, 2020, 10, 18-28.	1.7	21
15	Sex-related patterns of intrinsic functional connectivity in children and adolescents with autism spectrum disorders. Autism, 2020, 24, 2190-2201.	4.1	17
16	Local Cortical Gyrification is Increased in Children With Autism Spectrum Disorders, but Decreases Rapidly in Adolescents. Cerebral Cortex, 2019, 29, 2412-2423.	2.9	43
17	Atypical Local and Distal Patterns of Occipito-frontal Functional Connectivity are Related to Symptom Severity in Autism. Cerebral Cortex, 2019, 29, 3319-3330.	2.9	23
18	The language network in autism: Atypical functional connectivity with default mode and visual regions. Autism Research, 2019, 12, 1344-1355.	3.8	27

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19	Functional Connectivities Are More Informative Than Anatomical Variables in Diagnostic Classification of Autism. Brain Connectivity, 2019, 9, 604-612.	1.7	17
20	Regionally decreased gyrification in middle-aged adults with autism spectrum disorders. Neurology, 2019, 93, e1900-e1905.	1.1	20
21	Dopaminergic hypo-activity and reduced theta-band power in autism spectrum disorder: A resting-state EEG study. International Journal of Psychophysiology, 2019, 146, 101-106.	1.0	17
22	Transient states of network connectivity are atypical in autism: A dynamic functional connectivity study. Human Brain Mapping, 2019, 40, 2377-2389.	3.6	61
23	Gaps in Current Autism Research: The Thoughts of the Autism Research Editorial Board and Associate Editors. Autism Research, 2019, 12, 700-714.	3.8	28
24	The cingulum and cingulate Uâ€fibers in children and adolescents with autism spectrum disorders. Human Brain Mapping, 2019, 40, 3153-3164.	3.6	26
25	Distinct Patterns of Atypical Functional Connectivity in Lower-Functioning Autism. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2019, 4, 251-259.	1.5	20
26	Multimodal approaches to functional connectivity in autism spectrum disorders: An integrative perspective. Developmental Neurobiology, 2018, 78, 456-473.	3.0	48
27	Repetitive behaviors in autism are linked to imbalance of corticostriatal connectivity: a functional connectivity MRI study. Social Cognitive and Affective Neuroscience, 2018, 13, 32-42.	3.0	95
28	Children with ASD show links between aberrant sound processing, social symptoms, and atypical auditory interhemispheric and thalamocortical functional connectivity. Developmental Cognitive Neuroscience, 2018, 29, 117-126.	4.0	65
29	Local resting state functional connectivity in autism: site and cohort variability and the effect of eye status. Brain Imaging and Behavior, 2018, 12, 168-179.	2.1	46
30	Positive effects of neurofeedback on autism symptoms correlate with brain activation during imitation and observation. European Journal of Neuroscience, 2018, 47, 579-591.	2.6	40
31	Brain changes in adolescenceâ€"it is about time to get serious in autism spectrum disorder research. Autism Research, 2018, 12, v.	3.8	0
32	Brain Connectivity and Neuroimaging of Social Networks in Autism. Trends in Cognitive Sciences, 2018, 22, 1103-1116.	7.8	84
33	Impaired downregulation of visual cortex during auditory processing is associated with autism symptomatology in children and adolescents with autism spectrum disorder. Autism Research, 2017, 10, 130-143.	3.8	37
34	Editorial: Time to give up on Autism Spectrum Disorder?. Autism Research, 2017, 10, 10-14.	3.8	32
35	White matter compromise in autism? Differentiating motion confounds from true differences in diffusion tensor imaging. Autism Research, 2017, 10, 1606-1620.	3.8	15
36	Enhancing studies of the connectome in autism using the autism brain imaging data exchange II. Scientific Data, 2017, 4, 170010.	5.3	422

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37	Distributed Intrinsic Functional Connectivity Patterns Predict Diagnostic Status in Large Autism Cohort. Brain Connectivity, 2017, 7, 515-525.	1.7	33
38	Abandoning ASD? A response to Waterhouse, London, and Gillberg. Autism Research, 2017, 10, 1183-1183.	3.8	1
39	594. Impaired Motor Function and Atypical Motor Cortex Connectivity in Mature Adults with Autism Spectrum Disorder. Biological Psychiatry, 2017, 81, S240-S241.	1.3	0
40	Autism, Attention, and Alpha Oscillations: An Electrophysiological Study of Attentional Capture. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2017, 2, 528-536.	1.5	41
41	Psychotropic Medication Use in Autism Spectrum Disorders May Affect Functional Brain Connectivity. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2017, 2, 518-527.	1.5	35
42	Network Organization Is Globally Atypical in Autism: A Graph Theory Study of Intrinsic Functional Connectivity. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2017, 2, 66-75.	1.5	70
43	Functional Connectivity of the Amygdala Is Disrupted in Preschool-Aged Children With Autism Spectrum Disorder. Journal of the American Academy of Child and Adolescent Psychiatry, 2016, 55, 817-824.	0.5	86
44	Sensory Symptoms and Processing of Nonverbal Auditory and Visual Stimuli in Children with Autism Spectrum Disorder. Journal of Autism and Developmental Disorders, 2016, 46, 1590-1601.	2.7	32
45	Underconnected, But Not Broken? Dynamic Functional Connectivity MRI Shows Underconnectivity in Autism Is Linked to Increased Intra-Individual Variability Across Time. Brain Connectivity, 2016, 6, 403-414.	1.7	93
46	Under-reactive but easily distracted: An fMRI investigation of attentional capture in autism spectrum disorder. Developmental Cognitive Neuroscience, 2016, 17, 46-56.	4.0	53
47	Patterns of Atypical Functional Connectivity and Behavioral Links in Autism Differ Between Default, Salience, and Executive Networks. Cerebral Cortex, 2016, 26, 4034-4045.	2.9	154
48	Restriction Spectrum Imaging As a Potential Measure of Cortical Neurite Density in Autism. Frontiers in Neuroscience, 2016, 10, 610.	2.8	16
49	Chapter 14 Brain network organization in ASD. , 2016, , 287-318.		0
50	Reduced integration and differentiation of the imitation network in autism: A combined functional connectivity magnetic resonance imaging and diffusionâ€weighted imaging study. Annals of Neurology, 2015, 78, 958-969.	5.3	53
51	Regional specificity of aberrant thalamocortical connectivity in autism. Human Brain Mapping, 2015, 36, 4497-4511.	3.6	80
52	Diagnostic classification of intrinsic functional connectivity highlights somatosensory, default mode, and visual regions in autism. NeuroImage: Clinical, 2015, 8, 238-245.	2.7	141
53	Cerebro-cerebellar Resting-State Functional Connectivity in Children and Adolescents with Autism Spectrum Disorder. Biological Psychiatry, 2015, 78, 625-634.	1.3	163
54	Corticospinal Tract Anatomy and Functional Connectivity of Primary Motor Cortex in Autism. Journal of the American Academy of Child and Adolescent Psychiatry, 2015, 54, 859-867.	0.5	47

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55	The Influence of Task Difficulty and Participant Age on Balance Control in ASD. Journal of Autism and Developmental Disorders, 2015, 45, 1419-1427.	2.7	38
56	Atypical Cross Talk Between Mentalizing and Mirror Neuron Networks in Autism Spectrum Disorder. JAMA Psychiatry, 2014, 71, 751.	11.0	143
57	Impact of methodological variables on functional connectivity findings in autism spectrum disorders. Human Brain Mapping, 2014, 35, 4035-4048.	3.6	84
58	Brain connectivity in autism. Frontiers in Human Neuroscience, 2014, 8, 349.	2.0	131
59	Anatomical and Functional Connectivity in Autism Spectrum Disorders. , 2014, , 49-75.		5
60	Functional connectivity for an â€œIsland of sparingâ€•in autism spectrum disorder: An fMRI study of visual search. Human Brain Mapping, 2013, 34, 2524-2537.	3.6	64
61	Atypical attentional networks and the emergence of autism. Neuroscience and Biobehavioral Reviews, 2013, 37, 164-183.	6.1	302
62	Local Functional Overconnectivity in Posterior Brain Regions Is Associated with Symptom Severity in Autism Spectrum Disorders. Cell Reports, 2013, 5, 567-572.	6.4	237
63	Impaired thalamocortical connectivity in autism spectrum disorder: a study of functional and anatomical connectivity. Brain, 2013, 136, 1942-1955.	7.6	303
64	Pervasive Rightward Asymmetry Shifts of Functional Networks in Autism Spectrum Disorder. JAMA Psychiatry, 2013, 70, 975.	11.0	122
65	Approaches to local connectivity in autism using resting state functional connectivity MRI. Frontiers in Human Neuroscience, 2013, 7, 605.	2.0	97
66	A functional connectivity-based classification approach to autism spectrum disorder: only as good (or bad) as available diagnostic criteria. Future Neurology, 2012, 7, 259-262.	0.5	0
67	Atypical lexicosemantic function of extrastriate cortex in autism spectrum disorder: Evidence from functional and effective connectivity. NeuroImage, 2012, 62, 1780-1791.	4.2	44
68	Functional Differentiation of Posterior Superior Temporal Sulcus in Autism: A Functional Connectivity Magnetic Resonance Imaging Study. Biological Psychiatry, 2011, 70, 270-277.	1.3	101
69	Tract-specific analyses of diffusion tensor imaging show widespread white matter compromise in autism spectrum disorder. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2011, 52, 286-295.	5.2	201
70	Microstructural abnormalities of short-distance white matter tracts in autism spectrum disorder. Neuropsychologia, 2011, 49, 1378-1382.	1.6	117
71	Underconnected, but How? A Survey of Functional Connectivity MRI Studies in Autism Spectrum Disorders. Cerebral Cortex, 2011, 21, 2233-2243.	2.9	373
72	Atypical network connectivity for imitation in autism spectrum disorder. Neuropsychologia, 2010, 48, 2931-2939.	1.6	101

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73	An fMRI study of sentence-embedded lexical-semantic decision in children and adults. Brain and Language, 2010, 114, 90-100.	1.6	34
74	Attentional networks in children and adolescents with autism spectrum disorder. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2010, 51, 1251-1259.	5.2	89
75	White Matter Compromise of Callosal and Subcortical Fiber Tracts in Children With Autism Spectrum Disorder: A Diffusion Tensor Imaging Study. Journal of the American Academy of Child and Adolescent Psychiatry, 2010, 49, 1269-1278.e2.	0.5	104
76	White Matter Compromise of Callosal and Subcortical Fiber Tracts in Children With Autism Spectrum Disorder. Journal of the American Academy of Child and Adolescent Psychiatry, 2010, 49, 1269-1278e2.	0.5	84
77	Aberrant functional connectivity in autism: Evidence from low-frequency BOLD signal fluctuations. Brain Research, 2009, 1262, 48-63.	2.2	169
78	Brief Report: Eye-Movement Patterns During an Embedded Figures Test in Children with ASD. Journal of Autism and Developmental Disorders, 2009, 39, 383-387.	2.7	38
79	Category-specific activations during word generation reflect experiential sensorimotor modalities. NeuroImage, 2009, 48, 717-725.	4.2	20
80	From Loci to Networks and Back Again. Annals of the New York Academy of Sciences, 2008, 1145, 300-315.	3.8	26
81	Atypical functional lateralization of language in autism spectrum disorders. Brain Research, 2008, 1221, 115-125.	2.2	219
82	Functional brain organization for visual search in ASD. Journal of the International Neuropsychological Society, 2008, 14, 990-1003.	1.8	52
83	The study of autism as a distributed disorder. Mental Retardation and Developmental Disabilities Research Reviews, 2007, 13, 85-95.	3.6	170
84	N-acetyl aspartate in autism spectrum disorders: Regional effects and relationship to fMRI activation. Brain Research, 2007, 1162, 85-97.	2.2	54
85	Effects of generation mode in fMRI adaptations of semantic fluency: Paced production and overt speech. Neuropsychologia, 2007, 45, 1697-1706.	1.6	110
86	A typical participation of visual cortex during word processing in autism: An fMRI study of semantic decision. Neuropsychologia, 2007, 45, 1672-1684.	1.6	123
87	Eye Movement and Visual Search: Are There Elementary Abnormalities in Autism?. Journal of Autism and Developmental Disorders, 2007, 37, 1289-1309.	2.7	60
88	Atypically diffuse functional connectivity between caudate nuclei and cerebral cortex in autism. Behavioral and Brain Functions, 2006, 2, 34.	3.3	168
89	Blackboards in the brain. Behavioral and Brain Sciences, 2006, 29, 81-81.	0.7	1
90	Partially enhanced thalamocortical functional connectivity in autism. Brain Research, 2006, 1104, 160-174.	2.2	183

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91	Activity and functional connectivity of inferior frontal cortex associated with response conflict. Cognitive Brain Research, 2005, 24, 335-342.	3.0	52
92	Neurocognitive studies of language impairments: The bottom-up approach. Applied Psycholinguistics, 2005, 26, 65-78.	1.1	8
93	Reduced functional connectivity between V1 and inferior frontal cortex associated with visuomotor performance in autism. NeuroImage, 2005, 25, 916-925.	4.2	264
94	Are nonlinguistic functions in â€œBrocaâ€™s areaâ€•prerequisites for language acquisition? FMRI findings from an ontogenetic viewpoint. Brain and Language, 2004, 89, 329-336.	1.6	101
95	Cerebellar function in autism: Functional magnetic resonance image activation during a simple motor task. Biological Psychiatry, 2004, 56, 269-278.	1.3	209
96	Abnormal activity patterns in premotor cortex during sequence learning in autistic patients. Biological Psychiatry, 2004, 56, 323-332.	1.3	86
97	Linguistic theory and neuroimaging evidence: an fMRI study of Brocaâ€™s area in lexical semantics. Neuropsychologia, 2003, 41, 1199-1207.	1.6	43
98	Abnormal Variability and Distribution of Functional Maps in Autism: An fMRI Study of Visuomotor Learning. American Journal of Psychiatry, 2003, 160, 1847-1862.	7.2	143
99	Weak evidence for a strong case against modularity in developmental disorders. Behavioral and Brain Sciences, 2002, 25, 764-765.	0.7	0
100	Functional MRI of motor sequence acquisition: effects of learning stage and performance. Cognitive Brain Research, 2002, 14, 277-293.	3.0	141
101	Atypical patterns of cerebral motor activation in autism: a functional magnetic resonance study. Biological Psychiatry, 2001, 49, 665-676.	1.3	175
102	Broca's Area and the Discrimination of Frequency Transitions: A Functional MRI Study. Brain and Language, 2001, 76, 70-76.	1.6	65
103	A big â€œhousingâ€•problem and a trace of neuroimaging: Broca's area is more than a transformation center. Behavioral and Brain Sciences, 2000, 23, 42-42.	0.7	9
104	Homology, neurogenetic imprecision, and lesional complexity. Behavioral and Brain Sciences, 1999, 22, 573-574.	0.7	0
105	Impairment of dentato-thalamo-cortical pathway in autistic men: language activation data from positron emission tomography. Neuroscience Letters, 1998, 245, 1-4.	2.1	107
106	Determination of Language Dominance by [15O]-Water PET in Children and Adolescents: A Comparison with the Wada Test. Journal of Epilepsy, 1998, 11, 152-161.	0.4	14
107	Motor organization after early middle cerebral artery stroke: a pet study. Pediatric Neurology, 1998, 19, 294-298.	2.1	23
108	Brain Organization of Language after Early Unilateral Lesion: A PET Study. Brain and Language, 1998, 62, 422-451.	1.6	86

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109	Brain Organization of Motor and Language Functions Following Hemispherectomy: A [15O]-Water Positron Emission Tomography Study. Journal of Child Neurology, 1998, 13, 16-22.	1.4	53
110	Developmental Changes of Cortical and Cerebellar Motor Control: A Clinical Positron Emission Tomography Study With Children and Adults. Journal of Child Neurology, 1998, 13, 550-556.	1.4	23
111	Task-related activations in heterotopic brain malformations. NeuroReport, 1998, 9, 2527-2532.	1.2	17
112	Differential Patterns of Language and Motor Reorganization Following Early Left Hemisphere Lesion. Archives of Neurology, 1998, 55, 1113.	4.5	57
113	Language and Motor Functions Activate Calcified Hemisphere in Patients With Sturge-Weber Syndrome: A Positron Emission Tomography Study. Journal of Child Neurology, 1997, 12, 431-437.	1.4	25
114	Plasticity of motor organization in children and adults. NeuroReport, 1997, 8, 3103-3108.	1.2	62
115	Receptive and expressive language activations for sentences. NeuroReport, 1997, 8, 3767-3770.	1.2	140
116	[15O]-water PET and intraoperative brain mapping: A comparison in the localization of eloquent cortex. Neurological Research, 1997, 19, 601-608.	1.3	59
117	Functional organization of hand movement in children and adults. NeuroImage, 1996, 3, S402.	4.2	24
118	Plasticity of the language network in children and adults: Differential effects of early versus late lesions. NeuroImage, 1996, 3, S585.	4.2	25
119	Functional brain reorganization in children. Brain and Development, 1996, 18, 347-356.	1.1	152
120	Innateness, autonomy, universality? Neurobiological approaches to language. Behavioral and Brain Sciences, 1996, 19, 611-631.	0.7	107
121	The epigenesis of regional specificity. Behavioral and Brain Sciences, 1996, 19, 650-675.	0.7	1
122	Modularism, holism, connectionism: Old conflicts and new perspectives in aphasiology and neuropsychology. Aphasiology, 1992, 6, 443-475.	2.2	28