

# Mitsuru Kikuchi

## List of Publications by Year in descending order

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Version: 2024-02-01

102  
papers

2,663  
citations

201674

27  
h-index

214800

47  
g-index

103  
all docs

103  
docs citations

103  
times ranked

3318  
citing authors

#	ARTICLE	IF	CITATIONS
1	Antipsychotics reverse abnormal EEG complexity in drug-naive schizophrenia: A multiscale entropy analysis. <i>NeuroImage</i> , 2010, 51, 173-182.	4.2	236
2	Assessment of EEG dynamical complexity in Alzheimer's disease using multiscale entropy. <i>Clinical Neurophysiology</i> , 2010, 121, 1438-1446.	1.5	206
3	Two genetic variants of CD38 in subjects with autism spectrum disorder and controls. <i>Neuroscience Research</i> , 2010, 67, 181-191.	1.9	176
4	Native EEG and treatment effects in neuroleptic-naïve schizophrenic patients: Time and frequency domain approaches. <i>Schizophrenia Research</i> , 2007, 97, 163-172.	2.0	122
5	Age-related variation in EEG complexity to photic stimulation: A multiscale entropy analysis. <i>Clinical Neurophysiology</i> , 2009, 120, 476-483.	1.5	115
6	EEG Microstate Analysis in Drug-Naive Patients with Panic Disorder. <i>PLoS ONE</i> , 2011, 6, e22912.	2.5	96
7	Frontal areas contribute to reduced global coordination of resting-state gamma activities in drug-naïve patients with schizophrenia. <i>Schizophrenia Research</i> , 2011, 130, 187-194.	2.0	68
8	Lateralized Theta Wave Connectivity and Language Performance in 2- to 5-Year-Old Children. <i>Journal of Neuroscience</i> , 2011, 31, 14984-14988.	3.6	64
9	Oxytocin for Male Subjects with Autism Spectrum Disorder and Comorbid Intellectual Disabilities: A Randomized Pilot Study. <i>Frontiers in Psychiatry</i> , 2016, 7, 2.	2.6	63
10	Abnormal functional connectivity in Alzheimer's disease: intrahemispheric EEG coherence during rest and photic stimulation. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 1998, 248, 203-208.	3.2	61
11	Endogenous dopamine release under transcranial direct-current stimulation governs enhanced attention: a study with positron emission tomography. <i>Translational Psychiatry</i> , 2019, 9, 115.	4.8	60
12	Reduced long-range functional connectivity in young children with autism spectrum disorder. <i>Social Cognitive and Affective Neuroscience</i> , 2015, 10, 248-254.	3.0	59
13	Changes in functional connectivity dynamics with aging: A dynamical phase synchronization approach. <i>NeuroImage</i> , 2019, 188, 357-368.	4.2	51
14	Hyperscanning MEG for understanding mother-child cerebral interactions. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 118.	2.0	50
15	EEG harmonic responses to photic stimulation in normal aging and Alzheimer's disease: differences in interhemispheric coherence. <i>Clinical Neurophysiology</i> , 2002, 113, 1045-1051.	1.5	47
16	Reduced prefrontal activation during performance of the Iowa Gambling Task in patients with bipolar disorder. <i>Psychiatry Research - Neuroimaging</i> , 2015, 233, 1-8.	1.8	47
17	Aberrant Functional Organization in Schizophrenia: Analysis of EEG Coherence during Rest and Photic Stimulation in Drug-Naive Patients. <i>Neuropsychobiology</i> , 1998, 38, 63-69.	1.9	44
18	Altered brain connectivity in 3-to 7-year-old children with autism spectrum disorder. <i>NeuroImage: Clinical</i> , 2013, 2, 394-401.	2.7	44

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19	Atypical brain lateralisation in the auditory cortex and language performance in 3- to 7-year-old children with high-functioning autism spectrum disorder: a child-customised magnetoencephalography (MEG) study. <i>Molecular Autism</i> , 2013, 4, 38.	4.9	42
20	A custom magnetoencephalography device reveals brain connectivity and high reading/decoding ability in children with autism. <i>Scientific Reports</i> , 2013, 3, 1139.	3.3	38
21	EEG Changes following Scopolamine Administration in Healthy Subjects. <i>Neuropsychobiology</i> , 1999, 39, 219-226.	1.9	36
22	Altered Gamma Oscillations during Motor Control in Children with Autism Spectrum Disorder. <i>Journal of Neuroscience</i> , 2018, 38, 7878-7886.	3.6	34
23	Language performance and auditory evoked fields in 2- to 5-year-old children. <i>European Journal of Neuroscience</i> , 2012, 35, 644-650.	2.6	33
24	Heart rate variability in drug-naïve patients with panic disorder and major depressive disorder. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2009, 33, 1474-1478.	4.8	31
25	tDCS-induced modulation of GABA concentration and dopamine release in the human brain: A combination study of magnetic resonance spectroscopy and positron emission tomography. <i>Brain Stimulation</i> , 2021, 14, 154-160.	1.6	30
26	Effects of Brain Amyloid Deposition and Reduced Glucose Metabolism on the Default Mode of Brain Function in Normal Aging. <i>Journal of Neuroscience</i> , 2011, 31, 11193-11199.	3.6	29
27	Anterior Prefrontal Hemodynamic Connectivity in Conscious 3- to 7-Year-Old Children with Typical Development and Autism Spectrum Disorder. <i>PLoS ONE</i> , 2013, 8, e56087.	2.5	29
28	A longitudinal study of auditory evoked field and language development in young children. <i>NeuroImage</i> , 2014, 101, 440-447.	4.2	29
29	Mu rhythm suppression reflects mother-child face-to-face interactions: a pilot study with simultaneous MEG recording. <i>Scientific Reports</i> , 2016, 6, 34977.	3.3	29
30	Developmental changes in attention to social information from childhood to adolescence in autism spectrum disorders: a comparative study. <i>Molecular Autism</i> , 2020, 11, 24.	4.9	29
31	Band-specific atypical functional connectivity pattern in childhood autism spectrum disorder. <i>Clinical Neurophysiology</i> , 2017, 128, 1457-1465.	1.5	28
32	Social Interaction Improved by Oxytocin in the Subclass of Autism with Comorbid Intellectual Disabilities. <i>Diseases (Basel, Switzerland)</i> , 2019, 7, 24.	2.5	28
33	State-dependent changes in intrahemispheric EEG coherence for patients with acute exacerbation of schizophrenia. <i>Psychiatry Research</i> , 2007, 149, 41-47.	3.3	27
34	Abnormal functional connectivity of high-frequency rhythms in drug-naïve schizophrenia. <i>Clinical Neurophysiology</i> , 2018, 129, 222-231.	1.5	24
35	Magnetoencephalography in the study of children with autism spectrum disorder. <i>Psychiatry and Clinical Neurosciences</i> , 2016, 70, 74-88.	1.8	23
36	Oxytocin attenuates feelings of hostility depending on emotional context and individuals' characteristics. <i>Scientific Reports</i> , 2012, 2, 384.	3.3	22

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37	Relationship between anxiety and thyroid function in patients with panic disorder. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2005, 29, 77-81.	4.8	21
38	Broader autism phenotype in mothers predicts social responsiveness in young children with autism spectrum disorders. <i>Psychiatry and Clinical Neurosciences</i> , 2015, 69, 136-144.	1.8	20
39	Altered human voice processing in the frontal cortex and a developmental language delay in 3- to 5-year-old children with autism spectrum disorder. <i>Scientific Reports</i> , 2017, 7, 17116.	3.3	20
40	Different associations between intelligence and social cognition in children with and without autism spectrum disorders. <i>PLoS ONE</i> , 2020, 15, e0235380.	2.5	20
41	Identification of Electroencephalogram Signals in Alzheimer's Disease by Multifractal and Multiscale Entropy Analysis. <i>Frontiers in Neuroscience</i> , 2021, 15, 667614.	2.8	19
42	Developmental Trajectory of Infant Brain Signal Variability: A Longitudinal Pilot Study. <i>Frontiers in Neuroscience</i> , 2018, 12, 566.	2.8	18
43	A pilot study of serotonergic modulation after long-term administration of oxytocin in autism spectrum disorder. <i>Autism Research</i> , 2017, 10, 821-828.	3.8	17
44	Differences in EEG Harmonic Driving Responses to Photic Stimulation between Normal Aging and Alzheimer's Disease. <i>Clinical EEG (electroencephalography)</i> , 2002, 33, 86-92.	0.9	16
45	Tele-Operating an Android Robot to Promote the Understanding of Facial Expressions and to Increase Facial Expressivity in Individuals With Autism Spectrum Disorder. <i>American Journal of Psychiatry</i> , 2017, 174, 904-905.	7.2	15
46	The Contribution of Increased Gamma Band Connectivity to Visual Non-Verbal Reasoning in Autistic Children: A MEG Study. <i>PLoS ONE</i> , 2016, 11, e0163133.	2.5	15
47	Panic disorder with and without agoraphobia: comorbidity within a half-year of the onset of panic disorder. <i>Psychiatry and Clinical Neurosciences</i> , 2005, 59, 639-643.	1.8	13
48	Somatosensory Evoked Field in Response to Visuotactile Stimulation in 3- to 4-Year-Old Children. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 170.	2.0	12
49	Oxytocin effects on emotional response to others' faces via serotonin system in autism: A pilot study. <i>Psychiatry Research - Neuroimaging</i> , 2017, 267, 45-50.	1.8	12
50	Longitudinal changes in the mismatch field evoked by an empathic voice reflect changes in the empathy quotient in autism spectrum disorder. <i>Psychiatry Research - Neuroimaging</i> , 2018, 281, 117-122.	1.8	12
51	Diagnosing Autism Spectrum Disorder Without Expertise: A Pilot Study of 5- to 17-Year-Old Individuals Using Gazefinder. <i>Frontiers in Neurology</i> , 2020, 11, 603085.	2.4	12
52	The Brain's Response to the Human Voice Depends on the Incidence of Autistic Traits in the General Population. <i>PLoS ONE</i> , 2013, 8, e80126.	2.5	11
53	Relationship between brain network pattern and cognitive performance of children revealed by MEG signals during free viewing of video. <i>Brain and Cognition</i> , 2014, 86, 10-16.	1.8	11
54	Participatory Art Activities Increase Salivary Oxytocin Secretion of ASD Children. <i>Brain Sciences</i> , 2020, 10, 680.	2.3	11

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55	Aberrant brain oscillatory coupling from the primary motor cortex in children with autism spectrum disorders. <i>NeuroImage: Clinical</i> , 2021, 29, 102560.	2.7	11
56	Atypical Resting State Functional Neural Network in Children With Autism Spectrum Disorder: Graph Theory Approach. <i>Frontiers in Psychiatry</i> , 2021, 12, 790234.	2.6	11
57	Hemodynamic responses to visual stimuli in cortex of adults and 3- to 4-year-old children. <i>Brain Research</i> , 2011, 1383, 242-251.	2.2	10
58	Platelet-derived growth factor BB: A potential diagnostic blood biomarker for differentiating bipolar disorder from major depressive disorder. <i>Journal of Psychiatric Research</i> , 2021, 134, 48-56.	3.1	10
59	Joint attention and intelligence in children with autism spectrum disorder without severe intellectual disability. <i>Autism Research</i> , 2021, 14, 2603-2612.	3.8	10
60	Spatiotemporal frequency characteristics of cerebral oscillations during the perception of fundamental frequency contour changes in one-syllable intonation. <i>Neuroscience Letters</i> , 2012, 515, 141-146.	2.1	9
61	Brain responses to human voice processing predict child development and intelligence. <i>Human Brain Mapping</i> , 2020, 41, 2292-2301.	3.6	9
62	Atypical Bilateral Brain Synchronization in the Early Stage of Human Voice Auditory Processing in Young Children with Autism. <i>PLoS ONE</i> , 2016, 11, e0153077.	2.5	8
63	Neurovascular coupling in the human somatosensory cortex. <i>NeuroReport</i> , 2010, 21, 1106-1110.	1.2	7
64	Attentional Control and Interpretation of Facial Expression after Oxytocin Administration to Typically Developed Male Adults. <i>PLoS ONE</i> , 2015, 10, e0116918.	2.5	7
65	Unusual developmental pattern of brain lateralization in young boys with autism spectrum disorder: Power analysis with child-sized magnetoencephalography. <i>Psychiatry and Clinical Neurosciences</i> , 2015, 69, 153-160.	1.8	7
66	Atypical development of the central auditory system in young children with autism spectrum disorder. <i>Autism Research</i> , 2016, 9, 1216-1226.	3.8	7
67	Changes in maternal feelings for children with autism spectrum disorder after childbirth: The impact of knowledge about the disorder. <i>PLoS ONE</i> , 2018, 13, e0201862.	2.5	7
68	Shorter P1m Response in Children with Autism Spectrum Disorder without Intellectual Disabilities. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2611.	4.1	7
69	Sequential EEG Analysis during Intermittent Photic Stimulation in Never-Medicated Patients with Schizophrenia. <i>Clinical EEG (electroencephalography)</i> , 2003, 34, 201-206.	0.9	6
70	Association Between Magnetoencephalographic Interictal Epileptiform Discharge and Cognitive Function in Young Children With Typical Development and With Autism Spectrum Disorders. <i>Frontiers in Psychiatry</i> , 2018, 9, 568.	2.6	6
71	Neural Decoding of Multi-Modal Imagery Behavior Focusing on Temporal Complexity. <i>Frontiers in Psychiatry</i> , 2020, 11, 746.	2.6	6
72	Artifactual component classification from MEG data using support vector machine. , 2012, , .		5

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73	Changes in autistic trait indicators in parents and their children with ASD: A preliminary longitudinal study. <i>Psychiatry Research</i> , 2015, 228, 956-957.	3.3	5
74	Synchrony of auditory brain responses predicts behavioral ability to keep still in children with autism spectrum disorder. <i>NeuroImage: Clinical</i> , 2016, 12, 300-305.	2.7	5
75	Atypical body movements during night in young children with autism spectrum disorder: a pilot study. <i>Scientific Reports</i> , 2019, 9, 6999.	3.3	5
76	Serum levels of glial cell line-derived neurotrophic factor as a biomarker for mood disorders and lithium response. <i>Psychiatry Research</i> , 2021, 301, 113967.	3.3	5
77	Kcns3 deficiency disrupts Parvalbumin neuron physiology in mouse prefrontal cortex: Implications for the pathophysiology of schizophrenia. <i>Neurobiology of Disease</i> , 2021, 155, 105382.	4.4	5
78	Effects of familiarity on child brain networks when listening to a storybook reading: A magneto-encephalographic study. <i>NeuroImage</i> , 2021, 241, 118389.	4.2	5
79	Epileptiform discharges relate to altered functional brain networks in autism spectrum disorders. <i>Brain Communications</i> , 2021, 3, fcab184.	3.3	5
80	A common variant of CNTNAP2 is associated with sub-threshold autistic traits and intellectual disability. <i>PLoS ONE</i> , 2021, 16, e0260548.	2.5	5
81	Individual Analysis of EEG Band Power and Clinical Drug Response in Schizophrenia. <i>Neuropsychobiology</i> , 2005, 51, 183-190.	1.9	4
82	Algorithm for estimation of brain structural location from head surface shape in young children. <i>NeuroReport</i> , 2012, 23, 299-303.	1.2	4
83	Detection of atypical network development patterns in children with autism spectrum disorder using magnetoencephalography. <i>PLoS ONE</i> , 2017, 12, e0184422.	2.5	4
84	Complexity of Body Movements during Sleep in Children with Autism Spectrum Disorder. <i>Entropy</i> , 2021, 23, 418.	2.2	4
85	Oxytocin-Trust Link in Oxytocin-Sensitive Participants and Those Without Autistic Traits. <i>Frontiers in Neuroscience</i> , 2021, 15, 659737.	2.8	4
86	Decreased grey matter volumes in unaffected mothers of individuals with autism spectrum disorder reflect the broader autism endophenotype. <i>Scientific Reports</i> , 2021, 11, 10001.	3.3	4
87	Alteration of Neural Network Activity With Aging Focusing on Temporal Complexity and Functional Connectivity Within Electroencephalography. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 793298.	3.4	4
88	Decomposed Temporal Complexity Analysis of Neural Oscillations and Machine Learning Applied to Alzheimer's Disease Diagnosis. <i>Frontiers in Psychiatry</i> , 2020, 11, 531801.	2.6	3
89	Markers for the central serotonin system correlate to verbal ability and paralinguistic social voice processing in autism spectrum disorder. <i>Scientific Reports</i> , 2020, 10, 14558.	3.3	3
90	The maturation of the P1m component in response to voice from infancy to 3 years of age: A longitudinal study in young children. <i>Brain and Behavior</i> , 2020, 10, e01706.	2.2	3

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91	Relationship between epileptiform discharges and social reciprocity or cognitive function in children with and without autism spectrum disorders: An <scp>MEG</scp> study. <i>Psychiatry and Clinical Neurosciences</i> , 2020, 74, 510-511.	1.8	3
92	Pupillometric Complexity and Symmetricity Follow Inverted-U Curves Against Baseline Diameter Due to Crossed Locus Coeruleus Projections to the Edinger-Westphal Nucleus. <i>Frontiers in Physiology</i> , 2021, 12, 614479.	2.8	3
93	Prominent gamma band activity during visual motion perception in early-stage Alzheimer's disease. <i>PLoS ONE</i> , 2022, 17, e0266693.	2.5	3
94	Influence of oxytocin administration on somatosensory evoked magnetic fields induced by median nerve stimulation during hand action observation in healthy male volunteers. <i>PLoS ONE</i> , 2021, 16, e0249167.	2.5	2
95	A Comparison of Actual and Artfactual Features Based on Fractal Analyses: Resting-State MEG Data. <i>Advances in Intelligent Systems and Computing</i> , 2013, , 1257-1265.	0.6	2
96	Association studies of WD repeat domain 3 and chitobiosyldiphosphodolichol beta-mannosyltransferase genes with schizophrenia in a Japanese population. <i>PLoS ONE</i> , 2018, 13, e0190991.	2.5	1
97	Relation between acquisition of lexical concept and joint attention in children with autism spectrum disorder without severe intellectual disability. <i>PLoS ONE</i> , 2022, 17, e0266953.	2.5	1
98	Phantom eye syndrome after bilateral self-enucleation in a patient with schizophrenia. <i>Psychiatry and Clinical Neurosciences</i> , 2022, 76, 405-406.	1.8	1
99	Effect of <scp> <i>CNTNAP2</i> </scp> polymorphism on receptive language in children with autism Spectrum disorder without language developmental delay. <i>Neuropsychopharmacology Reports</i> , 0, , .	2.3	1
100	Measuring cognitive abilities and resting-state neuromagnetic signals in children. , 2012, , .		0
101	Sustaining temporal attention prevents habit expression during operant learning in rats. <i>Scientific Reports</i> , 2020, 10, 10303.	3.3	0
102	MEG studies of children. <i>Advances in Magnetic Resonance Technology and Applications</i> , 2021, 2, 355-371.	0.1	0