

Nobumasa Kato

List of Publications by Year in descending order

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Version: 2024-02-01

123
papers

4,943
citations

126907

33
h-index

102487

66
g-index

126
all docs

126
docs citations

126
times ranked

6071
citing authors

#	ARTICLE	IF	CITATIONS
1	Decision flexibilities in autism spectrum disorder: an fMRI study of moral dilemmas. <i>Social Cognitive and Affective Neuroscience</i> , 2022, 17, 904-911.	3.0	3
2	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
3	Brain activations while processing degraded speech in adults with autism spectrum disorder. <i>Neuropsychologia</i> , 2021, 152, 107750.	1.6	2
4	Identification of attention-deficit hyperactivity disorder based on the complexity and symmetricity of pupil diameter. <i>Scientific Reports</i> , 2021, 11, 8439.	3.3	14
5	A single session of navigation-guided repetitive transcranial magnetic stimulation over the right anterior temporoparietal junction in autism spectrum disorder. <i>Brain Stimulation</i> , 2021, 14, 682-684.	1.6	11
6	A multi-site, multi-disorder resting-state magnetic resonance image database. <i>Scientific Data</i> , 2021, 8, 227.	5.3	48
7	Impact of past experiences on decision-making in autism spectrum disorder. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2020, 270, 1063-1071.	3.2	13
8	Role of the right temporoparietal junction in intergroup bias in trust decisions. <i>Human Brain Mapping</i> , 2020, 41, 1677-1688.	3.6	21
9	White matter alterations in autism spectrum disorder and attention-deficit/hyperactivity disorder in relation to sensory profile. <i>Molecular Autism</i> , 2020, 11, 77.	4.9	28
10	Neural correlates of shared sensory symptoms in autism and attention-deficit/hyperactivity disorder. <i>Brain Communications</i> , 2020, 2, fcaa186.	3.3	13
11	Binding of Dopamine D1 Receptor and Noradrenaline Transporter in Individuals with Autism Spectrum Disorder: A PET Study. <i>Cerebral Cortex</i> , 2020, 30, 6458-6468.	2.9	25
12	Transdiagnostic subtyping of males with developmental disorders using cortical characteristics. <i>NeuroImage: Clinical</i> , 2020, 27, 102288.	2.7	9
13	Primary functional brain connections associated with melancholic major depressive disorder and modulation by antidepressants. <i>Scientific Reports</i> , 2020, 10, 3542.	3.3	39
14	Lack of implicit visual perspective taking in adult males with autism spectrum disorders. <i>Research in Developmental Disabilities</i> , 2020, 99, 103593.	2.2	6
15	Overlapping but Asymmetrical Relationships Between Schizophrenia and Autism Revealed by Brain Connectivity. <i>Schizophrenia Bulletin</i> , 2020, 46, 1210-1218.	4.3	28
16	Atypical alert state control in adult patients with ADHD: A pupillometry study. <i>PLoS ONE</i> , 2020, 15, e0244662.	2.5	11
17	Generalizable brain network markers of major depressive disorder across multiple imaging sites. , 2020, 18, e3000966.		0
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19	Generalizable brain network markers of major depressive disorder across multiple imaging sites. , 2020, 18, e3000966.		0
20	Generalizable brain network markers of major depressive disorder across multiple imaging sites. , 2020, 18, e3000966.		0
21	Generalizable brain network markers of major depressive disorder across multiple imaging sites. , 2020, 18, e3000966.		0
22	Generalizable brain network markers of major depressive disorder across multiple imaging sites. , 2020, 18, e3000966.		0
23	Sunk Cost Effect in Individuals with Autism Spectrum Disorder. Journal of Autism and Developmental Disorders, 2019, 49, 1-10.	2.7	44
24	Contraction of distance and duration production in autism spectrum disorder. Scientific Reports, 2019, 9, 8806.	3.3	5
25	Egocentric biases and atypical generosity in autistic individuals. Autism Research, 2019, 12, 1598-1608.	3.8	19
26	Cortical surface architecture endophenotype and correlates of clinical diagnosis of autism spectrum disorder. Psychiatry and Clinical Neurosciences, 2019, 73, 409-415.	1.8	11
27	Fourth finger dependence of high-functioning autism spectrum disorder in multi-digit force coordination. Scientific Reports, 2019, 9, 1737.	3.3	2
28	The effects of perinatal bisphenol A exposure on thyroid hormone homeostasis and glucose metabolism in the prefrontal cortex and hippocampus of rats. Brain and Behavior, 2019, 9, e01225.	2.2	19
29	People with autism perceive drastic illusory changes for repeated verbal stimuli. Scientific Reports, 2019, 9, 15866.	3.3	2
30	Need for closure and cognitive flexibility in individuals with autism spectrum disorder: A preliminary study. Psychiatry Research, 2019, 271, 247-252.	3.3	18
31	Machine learning approach to identify a resting-state functional connectivity pattern serving as an endophenotype of autism spectrum disorder. Brain Imaging and Behavior, 2019, 13, 1689-1698.	2.1	31
32	People with autism can perceive illusory changes strongly by using verbal transformation effects. The Proceedings of the Annual Convention of the Japanese Psychological Association, 2019, 83, 3B-041-3B-041.	0.0	0
33	Development and clinical application of a bioluminescence enzyme immunoassay for oxytocin. Luminescence, 2018, 33, 670-674.	2.9	1
34	Association between single nucleotide polymorphisms in estrogen receptor 1/2 genes and symptomatic severity of autism spectrum disorder. Research in Developmental Disabilities, 2018, 82, 20-26.	2.2	20
35	Aberrant cerebellar-default-mode functional connectivity underlying auditory verbal hallucinations in schizophrenia revealed by multi-voxel pattern analysis of resting-state functional connectivity MRI data. Schizophrenia Research, 2018, 197, 607-608.	2.0	4
36	Linked functional network abnormalities during intrinsic and extrinsic activity in schizophrenia as revealed by a data-fusion approach. NeuroImage: Clinical, 2018, 17, 69-79.	2.7	3

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37	Inflexible daily behaviour is associated with the ability to control an automatic reaction in autism spectrum disorder. <i>Scientific Reports</i> , 2018, 8, 8082.	3.3	22
38	Regulatory Science on AI-based Medical Devices and Systems. <i>Advanced Biomedical Engineering</i> , 2018, 7, 118-123.	0.6	32
39	A prediction model of working memory across health and psychiatric disease using whole-brain functional connectivity. <i>ELife</i> , 2018, 7, .	6.0	73
40	People with autism perceive drastic illusory changes for repetitive verbal stimuli. <i>The Proceedings of the Annual Convention of the Japanese Psychological Association</i> , 2018, 82, 2PM-044-2PM-044.	0.0	0
41	The Features of Cognitive Function in Adults with Autism Spectrum Disorder. <i>The Proceedings of the Annual Convention of the Japanese Psychological Association</i> , 2018, 82, 3PM-035-3PM-035.	0.0	0
42	Altered effects of perspective-taking on functional connectivity during self- and other-referential processing in adults with autism spectrum disorder. <i>Social Neuroscience</i> , 2017, 12, 1-12.	1.3	8
43	Loss of Hippocampal Oligodendrocytes Contributes to the Deficit of Contextual Fear Learning in Adult Rats Experiencing Early Bisphenol A Exposure. <i>Molecular Neurobiology</i> , 2017, 54, 4524-4536.	4.0	16
44	The singular nature of auditory and visual scene analysis in autism. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160115.	4.0	19
45	Cognitive profiles of adults with high-functioning autism spectrum disorder and those with attention-deficit/hyperactivity disorder based on the WAIS-III. <i>Research in Developmental Disabilities</i> , 2017, 61, 108-115.	2.2	12
46	Resting-State Functional Connectivity-Based Biomarkers and Functional MRI-Based Neurofeedback for Psychiatric Disorders: A Challenge for Developing Theranostic Biomarkers. <i>International Journal of Neuropsychopharmacology</i> , 2017, 20, 769-781.	2.1	98
47	Attitudes toward risk and ambiguity in patients with autism spectrum disorder. <i>Molecular Autism</i> , 2017, 8, 45.	4.9	34
48	Perception for repetitive stimuli in Autism Spectrum Disorder -Investigation using verbal transformation effects-. <i>The Proceedings of the Annual Convention of the Japanese Psychological Association</i> , 2017, 81, 3B-037-3B-037.	0.0	0
49	Association of Aryl Hydrocarbon Receptor-Related Gene Variants with the Severity of Autism Spectrum Disorders. <i>Frontiers in Psychiatry</i> , 2016, 7, 184.	2.6	18
50	Fast response to human voices in autism. <i>Scientific Reports</i> , 2016, 6, 26336.	3.3	6
51	Similar impressions of humanness for human and artificial singing voices in autism spectrum disorders. <i>Cognition</i> , 2016, 153, 1-5.	2.2	14
52	A small number of abnormal brain connections predicts adult autism spectrum disorder. <i>Nature Communications</i> , 2016, 7, 11254.	12.8	244
53	Altered functional organization within the insular cortex in adult males with high-functioning autism spectrum disorder: evidence from connectivity-based parcellation. <i>Molecular Autism</i> , 2016, 7, 41.	4.9	41
54	Genome-wide Association Study of Autism Spectrum Disorder in the East Asian Populations. <i>Autism Research</i> , 2016, 9, 340-349.	3.8	89

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55	Ocular Fixation Abnormality in Patients with Autism Spectrum Disorder. <i>Journal of Autism and Developmental Disorders</i> , 2016, 46, 1613-1622.	2.7	17
56	Alterations of local spontaneous brain activity and connectivity in adults with high-functioning autism spectrum disorder. <i>Molecular Autism</i> , 2015, 6, 30.	4.9	78
57	Association Between Serum Anticholinergic Activity and Psychiatric Symptoms of Chronic Schizophrenia. <i>The Showa University Journal of Medical Sciences</i> , 2015, 27, 251-260.	0.1	0
58	Enhanced segregation of concurrent sounds with similar spectral uncertainties in individuals with autism spectrum disorder. <i>Scientific Reports</i> , 2015, 5, 10524.	3.3	6
59	Aberrant Monoaminergic System in Thyroid Hormone Receptor- $\beta 2$ Deficient Mice as a Model of Attention-Deficit/Hyperactivity Disorder. <i>International Journal of Neuropsychopharmacology</i> , 2015, 18, pyv004.	2.1	12
60	Linked alterations in gray and white matter morphology in adults with high-functioning autism spectrum disorder: A multimodal brain imaging study. <i>NeuroImage: Clinical</i> , 2015, 7, 155-169.	2.7	71
61	Vocal Identity Recognition in Autism Spectrum Disorder. <i>PLoS ONE</i> , 2015, 10, e0129451.	2.5	18
62	Mitigation of Sociocommunicational Deficits of Autism Through Oxytocin-Induced Recovery of Medial Prefrontal Activity. <i>JAMA Psychiatry</i> , 2014, 71, 166.	11.0	154
63	The effect of intranasal oxytocin versus placebo treatment on the autonomic responses to human sounds in autism: a single-blind, randomized, placebo-controlled, crossover design study. <i>Molecular Autism</i> , 2014, 5, 20.	4.9	32
64	An fMRI Study of an Abnormal Neurovascular Response in the Right Premotor Cortex during Inner Speech and the Relationship to Auditory Hallucinations in Patients with Schizophrenia. <i>The Showa University Journal of Medical Sciences</i> , 2013, 25, 283-295.	0.1	1
65	Mutations in PRRT2 responsible for paroxysmal kinesigenic dyskinesias also cause benign familial infantile convulsions. <i>Journal of Human Genetics</i> , 2012, 57, 338-341.	2.3	82
66	Diminished Medial Prefrontal Activity behind Autistic Social Judgments of Incongruent Information. <i>PLoS ONE</i> , 2012, 7, e39561.	2.5	63
67	Lack of eyeblink entrainments in autism spectrum disorders. <i>Neuropsychologia</i> , 2011, 49, 2784-2790.	1.6	29
68	Atypical gaze patterns in children and adults with autism spectrum disorders dissociated from developmental changes in gaze behaviour. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 2935-2943.	2.6	198
69	Deficit in visual temporal integration in autism spectrum disorders. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 1027-1030.	2.6	33
70	Association of the oxytocin receptor (OXTR) gene polymorphisms with autism spectrum disorder (ASD) in the Japanese population. <i>Journal of Human Genetics</i> , 2010, 55, 137-141.	2.3	173
71	Reduced Gray Matter Volume of Pars Opercularis Is Associated with Impaired Social Communication in High-Functioning Autism Spectrum Disorders. <i>Biological Psychiatry</i> , 2010, 68, 1141-1147.	1.3	71
72	Two genetic variants of CD38 in subjects with autism spectrum disorder and controls. <i>Neuroscience Research</i> , 2010, 67, 181-191.	1.9	176

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73	Smaller amygdala volume and reduced anterior cingulate gray matter density associated with history of post-traumatic stress disorder. <i>Psychiatry Research - Neuroimaging</i> , 2009, 174, 210-216.	1.8	118
74	Mitochondrial DNA haplogroup analysis in patients with bipolar disorder. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2009, 150B, 243-247.	1.7	26
75	Association and interaction analyses of NRG1 and ERBB4 genes with schizophrenia in a Japanese population. <i>Journal of Human Genetics</i> , 2008, 53, 929-935.	2.3	33
76	A case of senile depression diagnosed by N-isopropyl-P-[123I]-iodoamphetamine single photon emission computed tomography and 18F-fluorodeoxyglucose positron emission tomography. <i>Psychogeriatrics</i> , 2008, 8, 101-103.	1.2	3
77	Relationships between mitochondrial DNA subhaplogroups and intracellular calcium dynamics. <i>Mitochondrion</i> , 2008, 8, 164-169.	3.4	10
78	Mitochondrial DNA-dependent effects of valproate on mitochondrial calcium levels in trans-mitochondrial cybrids. <i>International Journal of Neuropsychopharmacology</i> , 2008, 11, 71-8.	2.1	20
79	Reduced planum temporale volume and delusional behaviour in patients with schizophrenia. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2007, 257, 318-324.	3.2	32
80	Paroxysmal kinesigenic choreoathetosis (PKC): confirmation of linkage to 16p11-q21, but unsuccessful detection of mutations among 157 genes at the PKC-critical region in seven PKC families. <i>Journal of Human Genetics</i> , 2007, 52, 334-341.	2.3	50
81	No evidence for significant association between GABA receptor genes in chromosome 15q11-q13 and autism in a Japanese population. <i>Journal of Human Genetics</i> , 2007, 52, 985-989.	2.3	17
82	Paroxysmal kinesigenic choreoathetosis: From first discovery in 1892 to genetic linkage with benign familial infantile convulsions. <i>Epilepsy Research</i> , 2006, 70, 174-184.	1.6	38
83	Identification of Mitochondrial DNA Polymorphisms That Alter Mitochondrial Matrix pH and Intracellular Calcium Dynamics. <i>PLoS Genetics</i> , 2006, 2, e128.	3.5	194
84	Reduced intracellular pH in the basal ganglia and whole brain measured by 31P-MRS in bipolar disorder. <i>Psychiatry and Clinical Neurosciences</i> , 2004, 58, 82-88.	1.8	134
85	Localized volume reduction in prefrontal, temporo- limbic, and paralimbic regions in schizophrenia: an MRI parcellation study. <i>Psychiatry Research - Neuroimaging</i> , 2004, 131, 195-207.	1.8	130
86	Prefrontal hemodynamic response to verbal-fluency task and hyperventilation in bipolar disorder measured by multi-channel near-infrared spectroscopy. <i>Journal of Affective Disorders</i> , 2004, 82, 85-92.	4.1	90
87	Mitochondrial DNA polymorphisms and extraversion. <i>American Journal of Medical Genetics Part A</i> , 2004, 128B, 76-79.	2.4	21
88	Mechanisms of altered Ca ²⁺ signalling in transformed lymphoblastoid cells from patients with bipolar disorder. <i>International Journal of Neuropsychopharmacology</i> , 2003, 6, 379-389.	2.1	63
89	Possible relationship between mitochondrial DNA polymorphisms and lithium response in bipolar disorder. <i>International Journal of Neuropsychopharmacology</i> , 2003, 6, 421-424.	2.1	46
90	Mapping of the wet/dry earwax locus to the pericentromeric region of chromosome 16. <i>Lancet</i> , The, 2002, 359, 2000-2002.	13.7	18

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91	Effects of creatine on mental fatigue and cerebral hemoglobin oxygenation. <i>Neuroscience Research</i> , 2002, 42, 279-285.	1.9	150
92	Influence of restraint stress on the expression and the serine/threonine phosphatase activity of calcineurin in the rat brain. <i>Synapse</i> , 2001, 40, 130-136.	1.2	7
93	Mitochondrial DNA polymorphisms in bipolar disorder. <i>Journal of Affective Disorders</i> , 2001, 62, 151-164.	4.1	127
94	Association of bipolar disorder with the 5178 polymorphism in mitochondrial DNA. , 2000, 96, 182-186.		55
95	White matter hyperintensity detected by magnetic resonance imaging and lithium response in bipolar disorder: A preliminary observation. <i>Psychiatry and Clinical Neurosciences</i> , 2000, 54, 117-120.	1.8	15
96	Mitochondrial dysfunction in bipolar disorder. <i>Bipolar Disorders</i> , 2000, 2, 180-190.	1.9	321
97	Effects of Kainic Acid on mRNA Expression of GABA _A Receptor Subunits in Rat Hippocampus. <i>Epilepsia</i> , 2000, 41, 50-50.	5.1	0
98	Pharmacological Characterization of EEG Spikes and Seizures Induced by a Specific Calcium-Permeable AMPA Receptor Antagonist, 1-Naphthylacetyl Spermine (1-NA-Spm). <i>Epilepsia</i> , 2000, 41, 54-54.	5.1	0
99	Alteration of Hemoglobin Oxygenation in the Frontal Region in Elderly Depressed Patients as Measured by Near-infrared Spectroscopy. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 2000, 12, 465-471.	1.8	113
100	Association of bipolar disorder with the 5178 polymorphism in mitochondrial DNA. <i>American Journal of Medical Genetics Part A</i> , 2000, 96, 182-186.	2.4	3
101	Relationship of Energy Metabolism Detected by ³¹ P-MRS in the Human Brain with Mental Fatigue. <i>Neuropsychobiology</i> , 1999, 39, 214-218.	1.9	19
102	A newly developed assay for melatonin using cells expressing human melatonin receptor. <i>Psychiatry and Clinical Neurosciences</i> , 1999, 53, 247-248.	1.8	3
103	Effects of sleep deprivation: The phosphorus metabolism in the human brain measured by ³¹ P magnetic resonance spectroscopy. <i>Psychiatry and Clinical Neurosciences</i> , 1999, 53, 199-201.	1.8	10
104	A search for a mutation in the tumour necrosis factor-alpha gene in narcolepsy. <i>Psychiatry and Clinical Neurosciences</i> , 1999, 53, 421-423.	1.8	12
105	Familial Paroxysmal Kinesigenic Choreoathetosis: An Electrophysiologic and Genotypic Analysis. <i>Epilepsia</i> , 1999, 40, 942-949.	5.1	30
106	Paroxysmal Kinesigenic Choreoathetosis Locus Maps to Chromosome 16p11.2-q12.1. <i>American Journal of Human Genetics</i> , 1999, 65, 1688-1697.	6.2	187
107	Trimethyltin intoxication induces marked changes in neuropeptide expression in the rat hippocampus. <i>Synapse</i> , 1998, 29, 333-342.	1.2	26
108	Quantitative proton magnetic resonance spectroscopy of the basal ganglia in patients with affective disorders. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 1998, 248, 53-58.	3.2	144

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109	Decreased brain intracellular pH measured by. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 1998, 248, 301.	3.2	102
110	Magnetic Resonance Spectroscopy in Affective Disorders. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 1998, 10, 133-147.	1.8	120
111	Angina Pectoris After Recovery From an Acute Coronary Event. <i>Japanese Circulation Journal</i> , 1997, 61, 299-307.	1.0	0
112	Altered Brain Contents of Seizure-Related Neuropeptides in Ihara's Genetically Epileptic Rat (IGER).. <i>Epilepsia</i> , 1996, 37, 106-107.	5.1	1
113	Effect of MK-801 on c-fos mRNA Expression After Audiogenic Seizures in Adult Rats with Neonatal Hypothyroidism.. <i>Epilepsia</i> , 1996, 37, 108-109.	5.1	0
114	Anticonvulsant Actions of Glutamate Receptor Antagonists Against Audiogenic Seizures in Adult Rats with Neonatal Hypothyroidism.. <i>Epilepsia</i> , 1996, 37, 109-110.	5.1	3
115	The 24-hour Rhythms in Plasma Growth Hormone, Prolactin and Thyroid Stimulating Hormone: Effect of Sleep Deprivation. <i>Journal of Neuroendocrinology</i> , 1995, 7, 597-606.	2.6	25
116	Audiogenic seizure induces c-fos mRNA expression in the inferior colliculus and not in the hippocampus. <i>Psychiatry and Clinical Neurosciences</i> , 1995, 49, S280-2.	1.8	3
117	Two Autopsied Cases of Familial Sudanophilic Leukodystrophy. <i>Psychiatry and Clinical Neurosciences</i> , 1994, 48, 869-879.	1.8	0
118	The Susceptibility of Pentylentetrazole-Induced Seizure in Rats with Hippocampal Lesion Induced by Trimethyltin. <i>Psychiatry and Clinical Neurosciences</i> , 1993, 47, 408-410.	1.8	0
119	Animal Models: Changes of Immunoreactive Somatostatin, Neuropeptide Y, and Corticotropin-Releasing Factor (CRF) in the Brain of Spontaneously Epileptic Rats (SER). <i>Psychiatry and Clinical Neurosciences</i> , 1992, 46, 531-533.	1.8	0
120	Trimethyltin (TMT)-Treated Rats with Specific Hippocampal Lesion as a Possible Model of Endocrine Abnormality in Depression. <i>Psychiatry and Clinical Neurosciences</i> , 1992, 46, 572-573.	1.8	0
121	Immunoreactive Somatostatin Contents in the Cerebrospinal Fluid of Children with Various Types of Epilepsy. <i>Psychiatry and Clinical Neurosciences</i> , 1988, 42, 651-652.	1.8	2
122	The Role of Parasympathetic Nervous System in Stress-Induced Gastric Ulcer Formation: A Comparative Study on SHR, WKY, Wistar and MSG (monosodium-L-glutamate)-Treated Rats. <i>International Heart Journal</i> , 1987, 28, 625-625.	0.6	0
123	Enzyme Immunoassay of Thyroid-Stimulating Hormone Using Dried Blood Samples a Simple Technique of Screening for Congenital Hypothyroidism. <i>Analytical Letters</i> , 1980, 13, 1555-1565.	1.8	19