

# atsushi Kamiya

## List of Publications by Year in descending order

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77  
papers

5,467  
citations

101543

36  
h-index

82547

72  
g-index

85  
all docs

85  
docs citations

85  
times ranked

6896  
citing authors

#	ARTICLE	IF	CITATIONS
1	A schizophrenia-associated mutation of DISC1 perturbs cerebral cortex development. <i>Nature Cell Biology</i> , 2005, 7, 1167-1178.	10.3	532
2	Disrupted-in-Schizophrenia-1 (DISC-1): Mutant truncation prevents binding to NudE-like (NUDEL) and inhibits neurite outgrowth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 289-294.	7.1	367
3	Disrupted-in-Schizophrenia 1 (DISC1) regulates spines of the glutamate synapse via Rac1. <i>Nature Neuroscience</i> , 2010, 13, 327-332.	14.8	367
4	KCTD13 is a major driver of mirrored neuroanatomical phenotypes of the 16p11.2 copy number variant. <i>Nature</i> , 2012, 485, 363-367.	27.8	363
5	Neurodevelopmental mechanisms of schizophrenia: understanding disturbed postnatal brain maturation through neuregulin-1 and ErbB4 and DISC1. <i>Trends in Neurosciences</i> , 2009, 32, 485-495.	8.6	293
6	Knockdown of DISC1 by In Utero Gene Transfer Disturbs Postnatal Dopaminergic Maturation in the Frontal Cortex and Leads to Adult Behavioral Deficits. <i>Neuron</i> , 2010, 65, 480-489.	8.1	275
7	Prenatal Interaction of Mutant DISC1 and Immune Activation Produces Adult Psychopathology. <i>Biological Psychiatry</i> , 2010, 68, 1172-1181.	1.3	243
8	Impact of the DISC1 Ser704Cys polymorphism on risk for major depression, brain morphology and ERK signaling. <i>Human Molecular Genetics</i> , 2006, 15, 3024-3033.	2.9	233
9	DISC1-dependent switch from progenitor proliferation to migration in the developing cortex. <i>Nature</i> , 2011, 473, 92-96.	27.8	181
10	A Review of Disrupted-in-Schizophrenia-1 (disc1): Neurodevelopment, Cognition, and Mental Conditions. <i>Biological Psychiatry</i> , 2006, 59, 1189-1197.	1.3	171
11	DISC1 and NDEL1/NUDEL protein interaction, an essential component for neurite outgrowth, is modulated by genetic variations of DISC1. <i>Human Molecular Genetics</i> , 2006, 15, 3313-3323.	2.9	154
12	Recruitment of PCM1 to the Centrosome by the Cooperative Action of DISC1 and BBS4. <i>Archives of General Psychiatry</i> , 2008, 65, 996.	12.3	124
13	GOSPEL: A Neuroprotective Protein that Binds to GAPDH upon S-Nitrosylation. <i>Neuron</i> , 2009, 63, 81-91.	8.1	123
14	Decreased brain intracellular pH measured by. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 1998, 248, 301.	3.2	102
15	Elucidating the relationship between DISC1, NDEL1 and NDE1 and the risk for schizophrenia: Evidence of epistasis and competitive binding. <i>Human Molecular Genetics</i> , 2008, 17, 2462-2473.	2.9	101
16	The glutathione cycle shapes synaptic glutamate activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2701-2706.	7.1	99
17	Disrupted-in-Schizophrenia-1 expression is regulated by $\beta$ -site amyloid precursor protein cleaving enzyme-1 and neuregulin cascade. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 5622-5627.	7.1	97
18	Antidepressant-like effects of curcumin in WKY rat model of depression is associated with an increase in hippocampal BDNF. <i>Behavioural Brain Research</i> , 2013, 239, 27-30.	2.2	97

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19	Nuclear DISC1 regulates CRE-mediated gene transcription and sleep homeostasis in the fruit fly. <i>Molecular Psychiatry</i> , 2008, 13, 1138-1148.	7.9	91
20	<i>KCTD</i>: A new gene family involved in neurodevelopmental and neuropsychiatric disorders. <i>CNS Neuroscience and Therapeutics</i> , 2019, 25, 887-902.	3.9	66
21	DISC1 as a genetic risk factor for schizophrenia and related major mental illness: response to Sullivan. <i>Molecular Psychiatry</i> , 2014, 19, 141-143.	7.9	62
22	DISC1 a key molecular lead in psychiatry and neurodevelopment: No-More Disrupted-in-Schizophrenia 1. <i>Molecular Psychiatry</i> , 2016, 21, 1488-1489.	7.9	61
23	In Utero Electroporation as a Tool For Genetic Manipulation In Vivo to Study Psychiatric Disorders. <i>Neuroscientist</i> , 2012, 18, 169-179.	3.5	55
24	Pseudogene INTS6P1 regulates its cognate gene INTS6 through competitive binding of miR-17-5p in hepatocellular carcinoma. <i>Oncotarget</i> , 2015, 6, 5666-5677.	1.8	54
25	DISC1 regulates trafficking and processing of APP and A $\beta$ generation. <i>Molecular Psychiatry</i> , 2015, 20, 874-879.	7.9	47
26	Subcortical dopaminergic deficits in a DISC1 mutant model: a study in direct reference to human molecular brain imaging. <i>Human Molecular Genetics</i> , 2013, 22, 1574-1580.	2.9	46
27	Evidence that many of the DISC1 isoforms in C57BL/6J mice are also expressed in 129S6/SvEv mice. <i>Molecular Psychiatry</i> , 2007, 12, 897-899.	7.9	45
28	Working memory deficits in neuronal nitric oxide synthase knockout mice: Potential impairments in prefrontal cortex mediated cognitive function. <i>Biochemical and Biophysical Research Communications</i> , 2011, 408, 707-712.	2.1	44
29	Nuclear-translocated Glyceraldehyde-3-phosphate Dehydrogenase Promotes Poly(ADP-ribose) Polymerase-1 Activation during Oxidative/Nitrosative Stress in Stroke. <i>Journal of Biological Chemistry</i> , 2015, 290, 14493-14503.	3.4	44
30	Mutant DISC1 affects methamphetamine-induced sensitization and conditioned place preference: a comorbidity model. <i>Neuropharmacology</i> , 2012, 62, 1242-1251.	4.1	43
31	Endocannabinoid system: Potential novel targets for treatment of schizophrenia. <i>Neurobiology of Disease</i> , 2013, 53, 10-17.	4.4	43
32	Adolescent $\delta^9$ -Tetrahydrocannabinol Exposure and Astrocyte-Specific Genetic Vulnerability Converge on Nuclear Factor- $\kappa$ B/Cyclooxygenase-2 Signaling to Impair Memory in Adulthood. <i>Biological Psychiatry</i> , 2019, 85, 891-903.	1.3	43
33	Transcranial alternating current stimulation for treating depression: a randomized controlled trial. <i>Brain</i> , 2022, 145, 83-91.	7.6	43
34	Effect of Transcranial Alternating Current Stimulation for the Treatment of Chronic Insomnia: A Randomized, Double-Blind, Parallel-Group, Placebo-Controlled Clinical Trial. <i>Psychotherapy and Psychosomatics</i> , 2020, 89, 38-47.	8.8	42
35	BDNF overexpression prevents cognitive deficit elicited by adolescent cannabis exposure and host susceptibility interaction. <i>Human Molecular Genetics</i> , 2017, 26, 2462-2471.	2.9	41
36	Adolescent cannabis exposure interacts with mutant DISC1 to produce impaired adult emotional memory. <i>Neurobiology of Disease</i> , 2015, 82, 176-184.	4.4	39

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37	Migration defects by DISC1 knockdown in C57BL/6, 129X1/SvJ, and ICR strains via in utero gene transfer and virus-mediated RNAi. <i>Biochemical and Biophysical Research Communications</i> , 2010, 400, 631-637.	2.1	38
38	JHU-083 selectively blocks glutaminase activity in brain CD11b+ cells and prevents depression-associated behaviors induced by chronic social defeat stress. <i>Neuropsychopharmacology</i> , 2019, 44, 683-694.	5.4	38
39	In vivo epigenetic editing of Sema6a promoter reverses transcallosal dysconnectivity caused by C11orf46/Arl14ep risk gene. <i>Nature Communications</i> , 2019, 10, 4112.	12.8	34
40	PC12 cell model of inducible expression of mutant DISC1: New evidence for a dominant-negative mechanism of abnormal neuronal differentiation. <i>Neuroscience Research</i> , 2007, 58, 234-244.	1.9	33
41	Early postnatal GABAA receptor modulation reverses deficits in neuronal maturation in a conditional neurodevelopmental mouse model of DISC1. <i>Molecular Psychiatry</i> , 2016, 21, 1449-1459.	7.9	32
42	Assessing the role of endooligopeptidase activity of Ndel1 (nuclear-distribution gene E homolog like-1) in neurite outgrowth. <i>Molecular and Cellular Neurosciences</i> , 2010, 44, 353-361.	2.2	31
43	Evidence of association between bipolar disorder and Citron on chromosome 12q24. <i>Molecular Psychiatry</i> , 2005, 10, 807-809.	7.9	30
44	Glutamine Antagonist JHU083 Normalizes Aberrant Glutamate Production and Cognitive Deficits in the EcoHIV Murine Model of HIV-Associated Neurocognitive Disorders. <i>Journal of NeuroImmune Pharmacology</i> , 2019, 14, 391-400.	4.1	29
45	Brain-specific Drp1 regulates postsynaptic endocytosis and dendrite formation independently of mitochondrial division. <i>ELife</i> , 2019, 8, .	6.0	26
46	Neuron-glia interactions clarify genetic-environmental links in mental illness. <i>Trends in Neurosciences</i> , 2004, 27, 294-297.	8.6	23
47	Inflamed brain: Targeting immune changes and inflammation for treatment of depression. <i>Psychiatry and Clinical Neurosciences</i> , 2021, 75, 304-311.	1.8	23
48	DISC1 Pathway in Brain Development: Exploring Therapeutic Targets for Major Psychiatric Disorders. <i>Frontiers in Psychiatry</i> , 2012, 3, 25.	2.6	20
49	De novo non-synonymous TBL1XR1 mutation alters Wnt signaling activity. <i>Scientific Reports</i> , 2017, 7, 2887.	3.3	19
50	Olfactory modulation of the medial prefrontal cortex circuitry: Implications for social cognition. <i>Seminars in Cell and Developmental Biology</i> , 2022, 129, 31-39.	5.0	18
51	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
52	Role for neonatal D-serine signaling: prevention of physiological and behavioral deficits in adult Pick1 knockout mice. <i>Molecular Psychiatry</i> , 2016, 21, 386-393.	7.9	15
53	DISC1 causes associative memory and neurodevelopmental defects in fruit flies. <i>Molecular Psychiatry</i> , 2016, 21, 1232-1243.	7.9	15
54	Glutamine Antagonist JHU-083 Normalizes Aberrant Hippocampal Glutaminase Activity and Improves Cognition in APOE4 Mice. <i>Journal of Alzheimer's Disease</i> , 2020, 77, 437-447.	2.6	15

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55	NV-5138 as a fast-acting antidepressant via direct activation of mTORC1 signaling. <i>Journal of Clinical Investigation</i> , 2019, 129, 2207-2209.	8.2	15
56	Alterations in circulating extracellular vesicles underlie social stress-induced behaviors in mice. <i>FEBS Open Bio</i> , 2021, 11, 2678-2692.	2.3	14
57	Elucidating the pathogenesis of schizophrenia. <i>BMJ: British Medical Journal</i> , 2003, 327, 632-633.	2.3	13
58	Quantitative Multi-modal Brain Autoradiography of Glutamatergic, Dopaminergic, Cannabinoid, and Nicotinic Receptors in Mutant Disrupted-In-Schizophrenia-1 (DISC1) Mice. <i>Molecular Imaging and Biology</i> , 2015, 17, 355-363.	2.6	13
59	Causal impact of local inflammation in the nasal cavity on higher brain function and cognition. <i>Neuroscience Research</i> , 2021, 172, 110-115.	1.9	13
60	Animal models for schizophrenia via in utero gene transfer: understanding roles for genetic susceptibility factors in brain development. <i>Progress in Brain Research</i> , 2009, 179, 9-15.	1.4	12
61	Dimensional assessment of behavioral changes in the cuprizone short-term exposure model for psychosis. <i>Neuroscience Research</i> , 2016, 107, 70-74.	1.9	12
62	Astrocyte DISC1 contributes to cognitive function in a brain region-dependent manner. <i>Human Molecular Genetics</i> , 2020, 29, 2936-2950.	2.9	12
63	Altered Brain Function in Drug-Naïve Major Depressive Disorder Patients With Early-Life Maltreatment: A Resting-State fMRI Study. <i>Frontiers in Psychiatry</i> , 2019, 10, 255.	2.6	10
64	Developmental Alcohol Exposure Impairs Activity-Dependent S-Nitrosylation of NDEL1 for Neuronal Maturation. <i>Cerebral Cortex</i> , 2017, 27, 3918-3929.	2.9	9
65	Altered Resting-State Brain Activities in Drug-Naïve Major Depressive Disorder Assessed by fMRI: Associations With Somatic Symptoms Defined by Yin-Yang Theory of the Traditional Chinese Medicine. <i>Frontiers in Psychiatry</i> , 2018, 9, 195.	2.6	9
66	Translocator protein (TSPO) and stress cascades in mouse models of psychosis with inflammatory disturbances. <i>Schizophrenia Research</i> , 2018, 197, 492-497.	2.0	8
67	Brain-synthesized oestrogens regulate cortical migration in a sexually divergent manner. <i>European Journal of Neuroscience</i> , 2020, 52, 2646-2663.	2.6	8
68	Half-life of DISC1 protein and its pathological significance under hypoxia stress. <i>Neuroscience Research</i> , 2015, 97, 1-6.	1.9	7
69	DISC1 signaling in cocaine addiction: Towards molecular mechanisms of co-morbidity. <i>Neuroscience Research</i> , 2016, 105, 70-74.	1.9	7
70	SUMOylation of DISC1: A Potential Role in Neural Progenitor Proliferation in the Developing Cortex. <i>Molecular Neuropsychiatry</i> , 2016, 2, 20-27.	2.9	4
71	Altered cortical brain activity in end stage liver disease assessed by multi-channel near-infrared spectroscopy: Associations with delirium. <i>Scientific Reports</i> , 2017, 7, 9258.	3.3	4
72	GOSPEL: A Neuroprotective Protein that Binds to GAPDH upon S-Nitrosylation. <i>Neuron</i> , 2009, 63, 709.	8.1	3

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73	Visualization of DISC1-Dysbindin interaction in glutamatergic synaptic termini in fruit flies. <i>Molecular Psychiatry</i> , 2016, 21, 1157-1157.	7.9	3
74	Genetic manipulation of brain cultures from the primates: a novel tool for molecular studies of neuropsychiatric disorders. <i>Molecular Psychiatry</i> , 2008, 13, 116-118.	7.9	2
75	Glutamine antagonist JHU083 improves psychosocial behavior and sleep deficits in EcoHIV-infected mice. <i>Brain, Behavior, &amp; Immunity - Health</i> , 2022, 23, 100478.	2.5	1
76	Functional validation of candidate genetic susceptibility factors for major mental illnesses. , 0, , 69-78.		0
77	T209. Selective DISC1 Knockdown in Astrocytes Produces Region-Dependent Effects on Cognitive Function. <i>Biological Psychiatry</i> , 2018, 83, S209-S210.	1.3	0