

atsushi Kamiya

List of Publications by Year in descending order

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Version: 2024-02-01

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 | Transcranial alternating current stimulation for treating depression: a randomized controlled trial. <i>Brain</i> , 2022, 145, 83-91. | 7.6 | 43 |
| 2 | 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 |
| 3 | Glutamine antagonist JHU083 improves psychosocial behavior and sleep deficits in EcoHIV-infected mice. <i>Brain, Behavior, & Immunity - Health</i> , 2022, 23, 100478. | 2.5 | 1 |
| 4 | Alterations in circulating extracellular vesicles underlie social stress-induced behaviors in mice. <i>FEBS Open Bio</i> , 2021, 11, 2678-2692. | 2.3 | 14 |
| 5 | Inflamed brain: Targeting immune changes and inflammation for treatment of depression. <i>Psychiatry and Clinical Neurosciences</i> , 2021, 75, 304-311. | 1.8 | 23 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | Astrocyte DISC1 contributes to cognitive function in a brain region-dependent manner. <i>Human Molecular Genetics</i> , 2020, 29, 2936-2950. | 2.9 | 12 |
| 10 | Brain-synthesized oestrogens regulate cortical migration in a sexually divergent manner. <i>European Journal of Neuroscience</i> , 2020, 52, 2646-2663. | 2.6 | 8 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | <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 |
| 16 | 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 |
| 17 | Adolescent Î9-Tetrahydrocannabinol Exposure and Astrocyte-Specific Genetic Vulnerability Converge on Nuclear Factor-ÎBâ€Cyclooxygenase-2 Signaling to ImpairMemory in Adulthood. <i>Biological Psychiatry</i> , 2019, 85, 891-903. | 1.3 | 43 |
| 18 | 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 |

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|----|--|-----|-----------|
| 19 | Brain-specific Drp1 regulates postsynaptic endocytosis and dendrite formation independently of mitochondrial division. <i>ELife</i> , 2019, 8, . | 6.0 | 26 |
| 20 | 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 |
| 21 | T209. Selective DISC1 Knockdown in Astrocytes Produces Region-Dependent Effects on Cognitive Function. <i>Biological Psychiatry</i> , 2018, 83, S209-S210. | 1.3 | 0 |
| 22 | 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 |
| 23 | Developmental Alcohol Exposure Impairs Activity-Dependent Nitrosylation of NDEL1 for Neuronal Maturation. <i>Cerebral Cortex</i> , 2017, 27, 3918-3929. | 2.9 | 9 |
| 24 | 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 |
| 25 | De novo non-synonymous TBL1XR1 mutation alters Wnt signaling activity. <i>Scientific Reports</i> , 2017, 7, 2887. | 3.3 | 19 |
| 26 | 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 |
| 27 | 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 |
| 28 | 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 |
| 29 | Visualization of DISC1-Dysbindin interaction in glutamatergic synaptic termini in fruit flies. <i>Molecular Psychiatry</i> , 2016, 21, 1157-1157. | 7.9 | 3 |
| 30 | 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 |
| 31 | DISC1 causes associative memory and neurodevelopmental defects in fruit flies. <i>Molecular Psychiatry</i> , 2016, 21, 1232-1243. | 7.9 | 15 |
| 32 | 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 |
| 33 | 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 |
| 34 | DISC1 signaling in cocaine addiction: Towards molecular mechanisms of co-morbidity. <i>Neuroscience Research</i> , 2016, 105, 70-74. | 1.9 | 7 |
| 35 | 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 |
| 36 | Half-life of DISC1 protein and its pathological significance under hypoxia stress. <i>Neuroscience Research</i> , 2015, 97, 1-6. | 1.9 | 7 |

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|----|--|------|-----------|
| 37 | 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 |
| 38 | 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 |
| 39 | DISC1 regulates trafficking and processing of APP and A β generation. <i>Molecular Psychiatry</i> , 2015, 20, 874-879. | 7.9 | 47 |
| 40 | 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 |
| 41 | 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 |
| 42 | Endocannabinoid system: Potential novel targets for treatment of schizophrenia. <i>Neurobiology of Disease</i> , 2013, 53, 10-17. | 4.4 | 43 |
| 43 | 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 |
| 44 | 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 |
| 45 | Mutant DISC1 affects methamphetamine-induced sensitization and conditioned place preference: a comorbidity model. <i>Neuropharmacology</i> , 2012, 62, 1242-1251. | 4.1 | 43 |
| 46 | 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 |
| 47 | 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 |
| 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 | 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 |
| 50 | DISC1-dependent switch from progenitor proliferation to migration in the developing cortex. <i>Nature</i> , 2011, 473, 92-96. | 27.8 | 181 |
| 51 | Disrupted-in-Schizophrenia 1 (DISC1) regulates spines of the glutamate synapse via Rac1. <i>Nature Neuroscience</i> , 2010, 13, 327-332. | 14.8 | 367 |
| 52 | Disrupted-in-Schizophrenia-1 expression is regulated by β -site amyloid precursor protein cleaving enzyme-1's neuregulin cascade. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 5622-5627. | 7.1 | 97 |
| 53 | Prenatal Interaction of Mutant DISC1 and Immune Activation Produces Adult Psychopathology. <i>Biological Psychiatry</i> , 2010, 68, 1172-1181. | 1.3 | 243 |
| 54 | 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 |

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|----|--|------|-----------|
| 55 | 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 |
| 56 | 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 |
| 57 | Neurodevelopmental mechanisms of schizophrenia: understanding disturbed postnatal brain maturation through neuregulin-1â€“ErbB4 and DISC1. <i>Trends in Neurosciences</i> , 2009, 32, 485-495. | 8.6 | 293 |
| 58 | GOSPEL: A Neuroprotective Protein that Binds to GAPDH upon S-Nitrosylation. <i>Neuron</i> , 2009, 63, 81-91. | 8.1 | 123 |
| 59 | GOSPEL: A Neuroprotective Protein that Binds to GAPDH upon S-Nitrosylation. <i>Neuron</i> , 2009, 63, 709. | 8.1 | 3 |
| 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 | 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 |
| 62 | 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 |
| 63 | 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 |
| 64 | 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 |
| 65 | 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 |
| 66 | 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 |
| 67 | A Review of Disrupted-in-Schizophrenia-1 (disc1): Neurodevelopment, Cognition, and Mental Conditions. <i>Biological Psychiatry</i> , 2006, 59, 1189-1197. | 1.3 | 171 |
| 68 | 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 |
| 69 | DISC1â€“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 |
| 70 | A schizophrenia-associated mutation of DISC1 perturbs cerebral cortex development. <i>Nature Cell Biology</i> , 2005, 7, 1167-1178. | 10.3 | 532 |
| 71 | Evidence of association between bipolar disorder and Citron on chromosome 12q24. <i>Molecular Psychiatry</i> , 2005, 10, 807-809. | 7.9 | 30 |
| 72 | Neuronâ€“glia interactions clarify geneticâ€“environmental links in mental illness. <i>Trends in Neurosciences</i> , 2004, 27, 294-297. | 8.6 | 23 |

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|----|---|-----|-----------|
| 73 | Disrupted-in-Schizophrenia-1 (DISC-1): Mutant truncation prevents binding to NudE-like (NUDEL) and inhibits neurite outgrowth. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 289-294. | 7.1 | 367 |
| 74 | Elucidating the pathogenesis of schizophrenia. BMJ: British Medical Journal, 2003, 327, 632-633. | 2.3 | 13 |
| 75 | White matter hyperintensity detected by magnetic resonance imaging and lithium response in bipolar disorder: A preliminary observation. Psychiatry and Clinical Neurosciences, 2000, 54, 117-120. | 1.8 | 15 |
| 76 | Decreased brain intracellular pH measured by. European Archives of Psychiatry and Clinical Neuroscience, 1998, 248, 301. | 3.2 | 102 |
| 77 | Functional validation of candidate genetic susceptibility factors for major mental illnesses. , 0, , 69-78. | | 0 |