Mitsuyuki Matsumoto

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Functional Analysis of Genetic Variation in Catechol-O-Methyltransferase (COMT): Effects on mRNA, Protein, and Enzyme Activity in Postmortem Human Brain. American Journal of Human Genetics, 2004, 75, 807-821. | 6.2 | 1,495 |
| 2 | Human Dysbindin (DTNBP1) Gene Expression inNormal Brain and in Schizophrenic Prefrontal Cortex and Midbrain. Archives of General Psychiatry, 2004, 61, 544. | 12.3 | 331 |
| 3 | Lysophosphatidylcholine enhances glucose-dependent insulin secretion via an orphan G-protein-coupled receptor. Biochemical and Biophysical Research Communications, 2005, 326, 744-751. | 2.1 | 322 |
| 4 | Abnormal development of the olfactory bulb and reproductive system in mice lacking prokineticin receptor PKR2. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 4140-4145. | 7.1 | 241 |
| 5 | The Molecular Characterization and Tissue Distribution of the Human Cysteinyl Leukotriene CysLT2 Receptor. Biochemical and Biophysical Research Communications, 2000, 274, 316-322. | 2.1 | 178 |
| 6 | Expression of DISC1 binding partners is reduced in schizophrenia and associated with DISC1 SNPs. Human Molecular Genetics, 2006, 15, 1245-1258. | 2.9 | 154 |
| 7 | Deficiency of Schnurri-2, an MHC Enhancer Binding Protein, Induces Mild Chronic Inflammation in the Brain and Confers Molecular, Neuronal, and Behavioral Phenotypes Related to Schizophrenia. Neuropsychopharmacology, 2013, 38, 1409-1425. | 5.4 | 143 |
| 8 | Full-length cDNA cloning and distribution of human dopamine D4 receptor. Molecular Brain Research, 1995, 29, 157-162. | 2.3 | 135 |
| 9 | Inactivation of a Novel Neuropeptide Y/Peptide YY Receptor Gene in Primate Species. Journal of Biological Chemistry, 1996, 271, 27217-27220. | 3.4 | 135 |
| 10 | Catechol O-Methyltransferase (COMT) mRNA Expression in the Dorsolateral Prefrontal Cortex of Patients with Schizophrenia. Neuropsychopharmacology, 2003, 28, 1521-1530. | 5.4 | 126 |
| 11 | Molecular Cloning and Characterization of Another Leukotriene B4 Receptor. Journal of Biological Chemistry, 2000, 275, 27000-27004. | 3.4 | 103 |
| 12 | Immature Dentate Gyrus: An Endophenotype of Neuropsychiatric Disorders. Neural Plasticity, 2013, 2013, 1-24. | 2.2 | 101 |
| 13 | Adult Neurogenesis Transiently Generates Oxidative Stress. PLoS ONE, 2012, 7, e35264. | 2.5 | 101 |
| 14 | The novel G-protein coupled receptor SALPR shares sequence similarity with somatostatin and angiotensin receptors. Gene, 2000, 248, 183-189. | 2.2 | 92 |
| 15 | BrainSeq: Neurogenomics to Drive Novel Target Discovery for Neuropsychiatric Disorders. Neuron, 2015, 88, 1078-1083. | 8.1 | 92 |
| 16 | Identification of MrgX2 as a human G-protein-coupled receptor for proadrenomedullin N-terminal peptides. Biochemical and Biophysical Research Communications, 2005, 330, 1146-1152. | 2.1 | 91 |
| 17 | Gene Expression of Metabolic Enzymes and a Protease Inhibitor in the Prefrontal Cortex Are Decreased in Schizophrenia. Neurochemical Research, 2004, 29, 1245-1255. | 3.3 | 85 |
| 18 | Low Levels of mRNA for Dopamine D4 Receptor in Human Cerebral Cortex and Striatum. Journal of Neurochemistry, 1996, 66, 915-919. | 3.9 | 80 |

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|----|---|------|-----------|
| 19 | An Evolutionarily Conserved G-Protein Coupled Receptor Family, SREB, Expressed in the Central Nervous System. Biochemical and Biophysical Research Communications, 2000, 272, 576-582. | 2.1 | 69 |
| 20 | The evolutionarily conserved G protein-coupled receptor SREB2/GPR85 influences brain size, behavior, and vulnerability to schizophrenia. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6133-6138. | 7.1 | 67 |
| 21 | Profiling gene expression in the human dentate gyrus granule cell layer reveals insights into schizophrenia and its genetic risk. Nature Neuroscience, 2020, 23, 510-519. | 14.8 | 67 |
| 22 | GABA-B Agonist Baclofen Normalizes Auditory-Evoked Neural Oscillations and Behavioral Deficits in the <i>Fmr1</i> Knockout Mouse Model of Fragile X Syndrome. ENeuro, 2017, 4, ENEURO.0380-16.2017. | 1.9 | 66 |
| 23 | Functional Characterization of Cysteinyl Leukotriene CysLT2 Receptor on Human Coronary Artery Smooth Muscle Cells. Biochemical and Biophysical Research Communications, 2001, 287, 1088-1092. | 2.1 | 61 |
| 24 | Low stringency hybridization study of the dopamine D4 receptor revealed D4-like mRNA distribution of the orphan seven-transmembrane receptor, APJ, in human brain. Neuroscience Letters, 1996, 219, 119-122. | 2.1 | 59 |
| 25 | Hippocampal subregion abnormalities in schizophrenia: A systematic review of structural and physiological imaging studies. Neuropsychopharmacology Reports, 2018, 38, 156-166. | 2.3 | 58 |
| 26 | Molecular cloning and characterization of a novel Gq-coupled orphan receptor GPRg1 exclusively expressed in the central nervous system. Biochemical and Biophysical Research Communications, 2005, 331, 363-369. | 2.1 | 57 |
| 27 | The immature dentate gyrus represents a shared phenotype of mouse models of epilepsy and psychiatric disease. Bipolar Disorders, 2013, 15, 405-421. | 1.9 | 57 |
| 28 | Mice with subtle reduction of NMDA NR1 receptor subunit expression have a selective decrease in mismatch negativity: Implications for schizophrenia prodromal population. Neurobiology of Disease, 2015, 73, 289-295. | 4.4 | 52 |
| 29 | Cloning and Characterization of the 5′-Flanking Region of the Human Dopamine D4 Receptor Gene. Biochemical and Biophysical Research Communications, 1997, 235, 321-326. | 2.1 | 51 |
| 30 | Mouse Model of Chromosome 15q13.3 Microdeletion Syndrome Demonstrates Features Related to Autism Spectrum Disorder. Journal of Neuroscience, 2015, 35, 16282-16294. | 3.6 | 51 |
| 31 | SREB2/GPR85, a schizophrenia risk factor, negatively regulates hippocampal adult neurogenesis and neurogenesisâ€dependent learning and memory. European Journal of Neuroscience, 2012, 36, 2597-2608. | 2.6 | 47 |
| 32 | Hippocampal Pathophysiology: Commonality Shared by Temporal Lobe Epilepsy and Psychiatric Disorders. Neuroscience Journal, 2018, 2018, 1-9. | 2.5 | 38 |
| 33 | Auditory Steady State Response; nature and utility as a translational science tool. Scientific Reports, 2019, 9, 8454. | 3.3 | 37 |
| 34 | A conserved mRNA expression profile of SREB2 (GPR85) in adult human, monkey, and rat forebrain. Molecular Brain Research, 2005, 138, 58-69. | 2.3 | 34 |
| 35 | Nuclear factor kappa B activation appears weaker in schizophrenia patients with high brain cytokines than in non-schizophrenic controls with high brain cytokines. Journal of Neuroinflammation, 2020, 17, 215. | 7.2 | 33 |
| 36 | Molecular Cloning of Monkey Histamine H4 Receptor. Journal of Pharmacological Sciences, 2005, 98, 319-322. | 2.5 | 30 |

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|----|--|-----|-----------|
| 37 | Dopamine D3and D4Receptor Antagonists:Â Synthesis and Structureâ^'Activity Relationships of (S)-(+)-N-(1-Benzyl-3-pyrrolidinyl)-5-chloro-4- [(cyclopropylcarbonyl)amino]-2-methoxybenzamide (YM-43611) and Related Compounds. Journal of Medicinal Chemistry, 1996, 39, 2764-2772. | 6.4 | 29 |
| 38 | cDNA cloning and characterization of porcine histamine H4 receptor. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2002, 1575, 135-138. | 2.4 | 28 |
| 39 | Overexpression of Neuregulin 1 Type III Confers Hippocampal mRNA Alterations and Schizophrenia-Like Behaviors in Mice. Schizophrenia Bulletin, 2018, 44, 865-875. | 4.3 | 28 |
| 40 | Gamma power abnormalities in a Fmr1-targeted transgenic rat model of fragile X syndrome. Scientific Reports, 2020, 10, 18799. | 3.3 | 26 |
| 41 | Regional, cellular and species difference of two key neuroinflammatory genes implicated in schizophrenia. Brain, Behavior, and Immunity, 2020, 88, 826-839. | 4.1 | 23 |
| 42 | Schizophrenia-relevant behaviours of female mice overexpressing neuregulin 1 type III. Behavioural Brain Research, 2018, 353, 227-235. | 2.2 | 21 |
| 43 | YM-50001. NeuroReport, 1996, 7, 2543-2546. | 1.2 | 20 |
| 44 | A novel GABAB receptor positive allosteric modulator, ASP8062, exerts analgesic effects in a rat model of fibromyalgia. European Journal of Pharmacology, 2019, 865, 172750. | 3.5 | 20 |
| 45 | Dentate gyrus volume deficit in schizophrenia. Psychological Medicine, 2020, 50, 1267-1277. | 4.5 | 20 |
| 46 | Effect of Schizophrenia Risk-Associated Alleles in SREB2 (GPR85) on Functional MRI Phenotypes in Healthy Volunteers. Neuropsychopharmacology, 2013, 38, 341-349. | 5.4 | 19 |
| 47 | HDAC Inhibitors Restore the Capacity of Aged Mice to Respond to Haloperidol through Modulation of Histone Acetylation. Neuropsychopharmacology, 2014, 39, 1469-1478. | 5.4 | 19 |
| 48 | Indications of success: Strategies for utilizing neuroimaging biomarkers in CNS drug discovery and development. International Journal of Neuropsychopharmacology, 2017, 20, pyw111. | 2.1 | 19 |
| 49 | The dopaminergic stabilizer ASP2314/ACR16 selectively interacts with D2 ^{High} receptors. Synapse, 2009, 63, 930-934. | 1.2 | 18 |
| 50 | Transcriptomic immaturity inducible by neural hyperexcitation is shared by multiple neuropsychiatric disorders. Communications Biology, 2019, 2, 32. | 4.4 | 18 |
| 51 | <i>In vitro</i> pharmacological profile of YMâ€43611, a novel D ₂ â€like receptor antagonist with high affinity and selectivity for dopamine D ₃ and D ₄ receptors. British Journal of Pharmacology, 1996, 117, 1625-1632. | 5.4 | 17 |
| 52 | Gastrin-Releasing Peptide Contributes to the Regulation of Adult Hippocampal Neurogenesis and Neuronal Development. Stem Cells, 2014, 32, 2454-2466. | 3.2 | 16 |
| 53 | The impact of genetics on future drug discovery in schizophrenia. Expert Opinion on Drug Discovery, 2017, 12, 673-686. | 5.0 | 12 |
| 54 | Differential effects of [3H]nemonapride and [3H]spiperone binding on human dopamine D4 receptors. Neuroscience Letters, 1995, 186, 145-148. | 2.1 | 10 |

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|----|--|-----|-----------|
| 55 | Dopamine D4-like Binding Sites Labeled by [3H]Nemonapride Include Substantial Serotonin 5-HT2A Receptors in Primate Cerebral Cortex. Biochemical and Biophysical Research Communications, 1999, 255, 367-370. | 2.1 | 10 |
| 56 | Enhancing Clinical Trials Through Synergistic Gamma Power Analysis. Frontiers in Psychiatry, 2020, 11, 537. | 2.6 | 7 |
| 57 | Computational identification of variables in neonatal vocalizations predictive for postpubertal social behaviors in a mouse model of 16p11.2 deletion. Molecular Psychiatry, 2021, 26, 6578-6588. | 7.9 | 7 |
| 58 | Non-invasive electroencephalographical (EEG) recording system in awake monkeys. Heliyon, 2020, 6, e04043. | 3.2 | 5 |
| 59 | Identification and Relative Quantitation of an Orphan G-Protein Coupled Receptor SREB2 (GPR85) Protein in Tissue Using a Linear Ion Trap Mass Spectrometer. Journal of Proteome Research, 2011, 10, 2658-2663. | 3.7 | 3 |
| 60 | Ectopic Mossy Fiber Pathfinding in the Hippocampus Caused the Abnormal Neuronal Transmission in the Mouse Models of Psychiatric Disease. Biological and Pharmaceutical Bulletin, 2018, 41, 138-141. | 1.4 | 3 |
| 61 | 262. Human Dg-Seq Reveals Cell-Type-Specific Effectors of Schizophrenia Risk. Biological Psychiatry, 2018, 83, S106. | 1.3 | 0 |
| 62 | F162. Construction of a Mouse Model of Mismatch Negativity (MMN). Biological Psychiatry, 2019, 85, S275-S276. | 1.3 | 0 |