

Dai Zhang

List of Publications by Year in descending order

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104
papers

3,596
citations

185998

28
h-index

168136

53
g-index

105
all docs

105
docs citations

105
times ranked

6768
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Comparative genetic architectures of schizophrenia in East Asian and European populations. <i>Nature Genetics</i> , 2019, 51, 1670-1678. | 9.4 | 440 |
| 2 | Genome-wide association analysis identifies 30 new susceptibility loci for schizophrenia. <i>Nature Genetics</i> , 2017, 49, 1576-1583. | 9.4 | 395 |
| 3 | Genome-wide association study identifies a susceptibility locus for schizophrenia in Han Chinese at 11p11.2. <i>Nature Genetics</i> , 2011, 43, 1228-1231. | 9.4 | 264 |
| 4 | A neuroimaging biomarker for striatal dysfunction in schizophrenia. <i>Nature Medicine</i> , 2020, 26, 558-565. | 15.2 | 152 |
| 5 | Multisite Machine Learning Analysis Provides a Robust Structural Imaging Signature of Schizophrenia Detectable Across Diverse Patient Populations and Within Individuals. <i>Schizophrenia Bulletin</i> , 2018, 44, 1035-1044. | 2.3 | 118 |
| 6 | Five novel loci associated with antipsychotic treatment response in patients with schizophrenia: a genome-wide association study. <i>Lancet Psychiatry</i> , 2018, 5, 327-338. | 3.7 | 110 |
| 7 | Discriminating schizophrenia using recurrent neural network applied on time courses of multi-site fMRI data. <i>EBioMedicine</i> , 2019, 47, 543-552. | 2.7 | 109 |
| 8 | Cross-ethnic meta-analysis identifies association of the GPX3-TNIP1 locus with amyotrophic lateral sclerosis. <i>Nature Communications</i> , 2017, 8, 611. | 5.8 | 93 |
| 9 | Tenuigenin treatment decreases secretion of the Alzheimer's disease amyloid β -protein in cultured cells. <i>Neuroscience Letters</i> , 2004, 367, 123-128. | 1.0 | 86 |
| 10 | Association between the FOXP2 gene and autistic disorder in Chinese population. <i>American Journal of Medical Genetics Part A</i> , 2004, 127B, 113-116. | 2.4 | 77 |
| 11 | Positive association of the Disrupted-in-Schizophrenia-1 gene (DISC1) with schizophrenia in the Chinese Han population. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2007, 144B, 266-270. | 1.1 | 73 |
| 12 | Functional and Anatomical Connectivity Abnormalities in Cognitive Division of Anterior Cingulate Cortex in Schizophrenia. <i>PLoS ONE</i> , 2012, 7, e45659. | 1.1 | 71 |
| 13 | Association of the ENGRAILED 2 (<i>EN2</i>) gene with autism in Chinese Han population. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2008, 147B, 434-438. | 1.1 | 67 |
| 14 | Synaptic P-Rex1 signaling regulates hippocampal long-term depression and autism-like social behavior. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E6964-72. | 3.3 | 66 |
| 15 | A diffusion tensor imaging study of middle and superior cerebellar peduncle in male patients with schizophrenia. <i>Neuroscience Letters</i> , 2003, 348, 135-138. | 1.0 | 65 |
| 16 | Association study of the human FZD3 locus with schizophrenia. <i>Biological Psychiatry</i> , 2003, 54, 1298-1301. | 0.7 | 61 |
| 17 | Schizophrenia Related Variants in CACNA1C also Confer Risk of Autism. <i>PLoS ONE</i> , 2015, 10, e0133247. | 1.1 | 55 |
| 18 | Association of the neuropilin-2 (NRP2) gene polymorphisms with autism in Chinese Han population. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2007, 144B, 492-495. | 1.1 | 51 |

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|----|--|-----|-----------|
| 19 | Association study of NRXN3 polymorphisms with schizophrenia and risperidone-induced bodyweight gain in Chinese Han population. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2013, 43, 197-202. | 2.5 | 38 |
| 20 | Positive association of the human frizzled 3 (FZD3) gene haplotype with schizophrenia in Chinese Han population. <i>American Journal of Medical Genetics Part A</i> , 2004, 129B, 16-19. | 2.4 | 36 |
| 21 | Evidence for association between Disrupted-in-schizophrenia 1 (DISC1) gene polymorphisms and autism in Chinese Han population: a family-based association study. <i>Behavioral and Brain Functions</i> , 2011, 7, 14. | 1.4 | 35 |
| 22 | Further evidence for genetic association of CACNA1C and schizophrenia: New risk loci in a Han Chinese population and a meta-analysis. <i>Schizophrenia Research</i> , 2014, 152, 105-110. | 1.1 | 35 |
| 23 | Evidence for Association of Cell Adhesion Molecules Pathway and NLGN1 Polymorphisms with Schizophrenia in Chinese Han Population. <i>PLoS ONE</i> , 2015, 10, e0144719. | 1.1 | 35 |
| 24 | Converging Evidence Implicates the Abnormal MicroRNA System in Schizophrenia. <i>Schizophrenia Bulletin</i> , 2015, 41, 728-735. | 2.3 | 32 |
| 25 | Genome-Wide Association Study Suggested the <i>PTPRD</i> Polymorphisms Were Associated With Weight Gain Effects of Atypical Antipsychotic Medications. <i>Schizophrenia Bulletin</i> , 2016, 42, 814-823. | 2.3 | 32 |
| 26 | A Schizophrenia-Related Genetic-Brain-Cognition Pathway Revealed in a Large Chinese Population. <i>EBioMedicine</i> , 2018, 37, 471-482. | 2.7 | 31 |
| 27 | A hypothesis-driven pathway analysis reveals myelin-related pathways that contribute to the risk of schizophrenia and bipolar disorder. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2014, 51, 140-145. | 2.5 | 30 |
| 28 | Reduced paralimbic system gray matter volume in schizophrenia: Correlations with clinical variables, symptomatology and cognitive function. <i>Journal of Psychiatric Research</i> , 2015, 65, 80-86. | 1.5 | 30 |
| 29 | Polygenic effects of schizophrenia on hippocampal grey matter volume and hippocampusâ€™ medial prefrontal cortex functional connectivity. <i>British Journal of Psychiatry</i> , 2020, 216, 267-274. | 1.7 | 30 |
| 30 | Abnormalities of white matter microstructure in unmedicated patients with obsessiveâ€™ compulsive disorder: Changes after cognitive behavioral therapy. <i>Brain and Behavior</i> , 2019, 9, e01201. | 1.0 | 29 |
| 31 | Sequencing ASMT Identifies Rare Mutations in Chinese Han Patients with Autism. <i>PLoS ONE</i> , 2013, 8, e53727. | 1.1 | 26 |
| 32 | Tcf4 Controls Neuronal Migration of the Cerebral Cortex through Regulation of Bmp7. <i>Frontiers in Molecular Neuroscience</i> , 2016, 9, 94. | 1.4 | 26 |
| 33 | Abnormal Rich-Club Organization Associated with Compromised Cognitive Function in Patients with Schizophrenia and Their Unaffected Parents. <i>Neuroscience Bulletin</i> , 2017, 33, 445-454. | 1.5 | 25 |
| 34 | Compromised small-world efficiency of structural brain networks in schizophrenic patients and their unaffected parents. <i>Neuroscience Bulletin</i> , 2015, 31, 275-287. | 1.5 | 24 |
| 35 | Altered expression of mRNA profiles in blood of early-onset schizophrenia. <i>Scientific Reports</i> , 2016, 6, 16767. | 1.6 | 24 |
| 36 | Growth arrest specific gene 7 is associated with schizophrenia and regulates neuronal migration and morphogenesis. <i>Molecular Brain</i> , 2016, 9, 54. | 1.3 | 23 |

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|----|--|-----|-----------|
| 37 | RAB18, a protein associated with Warburg Micro syndrome, controls neuronal migration in the developing cerebral cortex. <i>Molecular Brain</i> , 2016, 9, 19. | 1.3 | 23 |
| 38 | Protein-interaction-network-based analysis for genome-wide association analysis of schizophrenia in Han Chinese population. <i>Journal of Psychiatric Research</i> , 2014, 50, 73-78. | 1.5 | 22 |
| 39 | Progressive Grey Matter Volume Changes in Patients with Schizophrenia over 6 Weeks of Antipsychotic Treatment and Their Relationship to Clinical Improvement. <i>Neuroscience Bulletin</i> , 2018, 34, 816-826. | 1.5 | 22 |
| 40 | Air pollution interacts with genetic risk to influence cortical networks implicated in depression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 3.3 | 22 |
| 41 | Correlations between exploratory eye movement, hallucination, and cortical gray matter volume in people with schizophrenia. <i>BMC Psychiatry</i> , 2018, 18, 226. | 1.1 | 20 |
| 42 | The Schizophrenia Susceptibility Gene OPCML Regulates Spine Maturation and Cognitive Behaviors through Eph-Cofilin Signaling. <i>Cell Reports</i> , 2019, 29, 49-61.e7. | 2.9 | 20 |
| 43 | The schizophrenia genetics knowledgebase: a comprehensive update of findings from candidate gene studies. <i>Translational Psychiatry</i> , 2019, 9, 205. | 2.4 | 19 |
| 44 | Exploring the Causal Pathway From Telomere Length to Alzheimer's Disease: An Update Mendelian Randomization Study. <i>Frontiers in Psychiatry</i> , 2019, 10, 843. | 1.3 | 19 |
| 45 | A comprehensive meta-analysis of <i>ZNF804A</i> SNPs in the risk of schizophrenia among Asian populations. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2016, 171, 437-446. | 1.1 | 18 |
| 46 | Cortical thinning and flattening in schizophrenia and their unaffected parents. <i>Neuropsychiatric Disease and Treatment</i> , 2019, Volume 15, 935-946. | 1.0 | 18 |
| 47 | Genetic Evidence for Possible Involvement of the Calcium Channel Gene CACNA1A in Autism Pathogenesis in Chinese Han Population. <i>PLoS ONE</i> , 2015, 10, e0142887. | 1.1 | 18 |
| 48 | Associations of <i>ATF4</i> gene polymorphisms with schizophrenia in male patients. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2008, 147B, 732-736. | 1.1 | 17 |
| 49 | In Situ Real-Time Monitoring of Glutamate and Electrophysiology from Cortex to Hippocampus in Mice Based on a Microelectrode Array. <i>Sensors</i> , 2017, 17, 61. | 2.1 | 17 |
| 50 | Hyperconnectivity in perisylvian language pathways in schizophrenia with auditory verbal hallucinations: A multi-site diffusion MRI study. <i>Schizophrenia Research</i> , 2019, 210, 262-269. | 1.1 | 17 |
| 51 | Progress in genome-wide association studies of schizophrenia in Han Chinese populations. <i>NPJ Schizophrenia</i> , 2017, 3, 24. | 2.0 | 16 |
| 52 | Potential involvement of the interleukin-18 pathway in schizophrenia. <i>Journal of Psychiatric Research</i> , 2016, 74, 10-16. | 1.5 | 15 |
| 53 | Association between CNTNAP2 polymorphisms and autism: A family-based study in the chinese han population and a meta-analysis combined with GWAS data of psychiatric genomics consortium. <i>Autism Research</i> , 2019, 12, 553-561. | 2.1 | 15 |
| 54 | Variants of GRM7 as risk factor and response to antipsychotic therapy in schizophrenia. <i>Translational Psychiatry</i> , 2020, 10, 83. | 2.4 | 14 |

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|----|---|-----|-----------|
| 55 | Cerebral Inefficient Activation in Schizophrenia Patients and Their Unaffected Parents during the N-Back Working Memory Task: A Family fMRI Study. PLoS ONE, 2015, 10, e0135468. | 1.1 | 14 |
| 56 | <i>Auts2</i> deletion involves in DG hypoplasia and social recognition deficit: The developmental and neural circuit mechanisms. Science Advances, 2022, 8, eabk1238. | 4.7 | 14 |
| 57 | Association study and mutation sequencing of genes on chromosome 15q11-q13 identified GABRG3 as a susceptibility gene for autism in Chinese Han population. Translational Psychiatry, 2018, 8, 152. | 2.4 | 13 |
| 58 | NDUFV2 regulates neuronal migration in the developing cerebral cortex through modulation of the multipolar→bipolar transition. Brain Research, 2015, 1625, 102-110. | 1.1 | 12 |
| 59 | Chromatin remodeling gene EZH2 involved in the genetic etiology of autism in Chinese Han population. Neuroscience Letters, 2016, 610, 182-186. | 1.0 | 12 |
| 60 | P-Rex1 Overexpression Results in Aberrant Neuronal Polarity and Psychosis-Related Behaviors. Neuroscience Bulletin, 2019, 35, 1011-1023. | 1.5 | 12 |
| 61 | Two-stage designs to identify the effects of SNP combinations on complex diseases. Journal of Human Genetics, 2008, 53, 739-746. | 1.1 | 11 |
| 62 | ZNF804A Variation May Affect Hippocampal-Prefrontal Resting-State Functional Connectivity in Schizophrenic and Healthy Individuals. Neuroscience Bulletin, 2018, 34, 507-516. | 1.5 | 11 |
| 63 | Altered Resting-State Brain Activity in Schizophrenia and Obsessive-Compulsive Disorder Compared With Non-psychiatric Controls: Commonalities and Distinctions Across Disorders. Frontiers in Psychiatry, 2021, 12, 681701. | 1.3 | 11 |
| 64 | Systematic association analysis of microRNA machinery genes with schizophrenia informs further study. Neuroscience Letters, 2012, 520, 47-50. | 1.0 | 10 |
| 65 | Replication of previous GWAS hits suggests the association between rs4307059 near MSNP1AS and autism in a Chinese Han population. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2019, 92, 194-198. | 2.5 | 10 |
| 66 | Further evidence for the association between LRP8 and schizophrenia. Schizophrenia Research, 2020, 215, 499-505. | 1.1 | 10 |
| 67 | A Two-Stage Association Study Suggests BRAP as a Susceptibility Gene for Schizophrenia. PLoS ONE, 2014, 9, e86037. | 1.1 | 10 |
| 68 | Childhood urbanicity interacts with polygenic risk for depression to affect stress-related medial prefrontal function. Translational Psychiatry, 2021, 11, 522. | 2.4 | 10 |
| 69 | GM1 up-regulates Ubiquilin 1 expression in human neuroblastoma cells and rat cortical neurons. Neuroscience Letters, 2006, 407, 59-63. | 1.0 | 9 |
| 70 | ALDH2Glu504Lys Confers Susceptibility to Schizophrenia and Impacts Hippocampal-Prefrontal Functional Connectivity. Cerebral Cortex, 2016, 27, bhw056. | 1.6 | 9 |
| 71 | Recent Research Progress in Autism Spectrum Disorder. Neuroscience Bulletin, 2017, 33, 125-129. | 1.5 | 9 |
| 72 | Development of a population pharmacokinetic model of olanzapine for Chinese health volunteers and patients with schizophrenia. BMJ Open, 2018, 8, e020070. | 0.8 | 9 |

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|----|--|-----|-----------|
| 73 | Dysfunction of Trio GEF1 involves in excitatory/inhibitory imbalance and autism-like behaviors through regulation of interneuron migration. <i>Molecular Psychiatry</i> , 2021, 26, 7621-7640. | 4.1 | 9 |
| 74 | A Temporal Activity of CA1 Neurons Underlying Short-Term Memory for Social Recognition Altered in PTEN Mouse Models of Autism Spectrum Disorder. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 699315. | 1.8 | 9 |
| 75 | Consistent brain structural abnormalities and multisite individualised classification of schizophrenia using deep neural networks. <i>British Journal of Psychiatry</i> , 2022, 221, 732-739. | 1.7 | 9 |
| 76 | Association analysis of a functional variant in ATXN2 with schizophrenia. <i>Neuroscience Letters</i> , 2014, 562, 24-27. | 1.0 | 8 |
| 77 | The Human MSI2 Gene is Associated with Schizophrenia in the Chinese Han Population. <i>Neuroscience Bulletin</i> , 2016, 32, 239-245. | 1.5 | 8 |
| 78 | Individual differences in schizophrenia. <i>BJPsych Open</i> , 2017, 3, 265-273. | 0.3 | 8 |
| 79 | CYP2D6 Genotype-Based Dose Recommendations for Risperidone in Asian People. <i>Frontiers in Pharmacology</i> , 2020, 11, 936. | 1.6 | 8 |
| 80 | Multisite schizophrenia classification by integrating structural magnetic resonance imaging data with polygenic risk score. <i>NeuroImage: Clinical</i> , 2021, 32, 102860. | 1.4 | 8 |
| 81 | ATAD3B and SKIL polymorphisms associated with antipsychotic-induced QTc interval change in patients with schizophrenia: a genome-wide association study. <i>Translational Psychiatry</i> , 2022, 12, 56. | 2.4 | 8 |
| 82 | RhoGEF Trio Regulates Radial Migration of Projection Neurons via Its Distinct Domains. <i>Neuroscience Bulletin</i> , 2022, 38, 249-262. | 1.5 | 8 |
| 83 | A2BP1 gene polymorphisms association with olanzapine-induced weight gain. <i>Pharmacological Research</i> , 2015, 99, 155-161. | 3.1 | 7 |
| 84 | Genetic variants in the transcription regulatory region of MEGF10 are associated with autism in Chinese Han population. <i>Scientific Reports</i> , 2017, 7, 2292. | 1.6 | 7 |
| 85 | Common and Distinct Alterations of Cognitive Function and Brain Structure in Schizophrenia and Major Depressive Disorder: A Pilot Study. <i>Frontiers in Psychiatry</i> , 2021, 12, 705998. | 1.3 | 7 |
| 86 | Meta-analysis of GABRB2 polymorphisms and the risk of schizophrenia combined with GWAS data of the Han Chinese population and psychiatric genomics consortium. <i>PLoS ONE</i> , 2018, 13, e0198690. | 1.1 | 6 |
| 87 | No association of polymorphisms in the CDK5, NDEL1, and LIS1 with autism in Chinese Han population. <i>Psychiatry Research</i> , 2011, 190, 369-371. | 1.7 | 5 |
| 88 | Association of DISC1, BDNF, and COMT polymorphisms with exploratory eye movement of schizophrenia in a Chinese Han population. <i>Psychiatric Genetics</i> , 2016, 26, 258-265. | 0.6 | 5 |
| 89 | Family-based association study identifies SNAP25 as a susceptibility gene for autism in the Han Chinese population. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021, 105, 109985. | 2.5 | 5 |
| 90 | Distinct Effects of Social Stress on Working Memory in Obsessive-Compulsive Disorder. <i>Neuroscience Bulletin</i> , 2021, 37, 81-93. | 1.5 | 5 |

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|-----|--|-----|-----------|
| 91 | Childhood Maltreatment Was Correlated With the Decreased Cortical Function in Depressed Patients Under Social Stress in a Working Memory Task: A Pilot Study. <i>Frontiers in Psychiatry</i> , 2021, 12, 671574. | 1.3 | 5 |
| 92 | Overlapping common genetic architecture between major depressive disorders and anxiety and stress-related disorders. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2022, 113, 110450. | 2.5 | 5 |
| 93 | Altered Expression of Brain-specific Autism-Associated miRNAs in the Han Chinese Population. <i>Frontiers in Genetics</i> , 2022, 13, 865881. | 1.1 | 5 |
| 94 | Abnormal functional connectivity of the striatum in first-episode drug-naïve early-onset Schizophrenia. <i>Brain and Behavior</i> , 2022, 12, e2535. | 1.0 | 5 |
| 95 | Association of chromosome 5q21.3 polymorphisms with the exploratory eye movement dysfunction in schizophrenia. <i>Scientific Reports</i> , 2015, 5, 10299. | 1.6 | 4 |
| 96 | Association of MTHFR C677T Polymorphism With Antipsychotic-Induced Change of Weight and Metabolism Index. <i>Frontiers in Psychiatry</i> , 2021, 12, 673715. | 1.3 | 4 |
| 97 | Longitudinal trajectory analysis of antipsychotic response in patients with schizophrenia: 6-week, randomised, open-label, multicentre clinical trial. <i>BJPsych Open</i> , 2020, 6, e126. | 0.3 | 3 |
| 98 | Protocol for a pharmacogenomic study on individualised antipsychotic drug treatment for patients with schizophrenia. <i>BJPsych Open</i> , 2021, 7, e121. | 0.3 | 3 |
| 99 | Association of MSI2 Gene Polymorphism with Age-at-Onset of Schizophrenia in a Chinese Population. <i>Neuroscience Bulletin</i> , 2017, 33, 731-733. | 1.5 | 2 |
| 100 | Interaction Between Variations in Dopamine D2 and Serotonin 2A Receptor is Associated with Short-Term Response to Antipsychotics in Schizophrenia. <i>Neuroscience Bulletin</i> , 2019, 35, 1102-1105. | 1.5 | 2 |
| 101 | Family-based association study of ZNF804A polymorphisms and autism in a Han Chinese population. <i>BMC Psychiatry</i> , 2019, 19, 159. | 1.1 | 2 |
| 102 | Unsuppressed Striatal Activity and Genetic Risk for Schizophrenia Associated With Individual Cognitive Performance Under Social Competition. <i>Schizophrenia Bulletin</i> , 2022, 48, 599-608. | 2.3 | 1 |
| 103 | The distribution pattern of PV+ IN subtype in the sensorimotor cortex of <i>Triofl/fl</i> and <i>Triofl/fl;Dlx5/6-CIE</i> mice. <i>Molecular Psychiatry</i> , 2021, 26, 7071-7071. | 4.1 | 1 |
| 104 | The anaplastic lymphoma kinase (ALK) gene is associated with schizophrenia in a Chinese population. <i>Psychiatry Research</i> , 2017, 258, 612-613. | 1.7 | 0 |