

Shuo Chen

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

1,049
citations

471509

17
h-index

526287

27
g-index

78
all docs

78
docs citations

78
times ranked

1722
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Association of White Matter With Core Cognitive Deficits in Patients With Schizophrenia. JAMA Psychiatry, 2017, 74, 958. | 11.0 | 116 |
| 2 | Selective Attention, Working Memory, and Executive Function as Potential Independent Sources of Cognitive Dysfunction in Schizophrenia. Schizophrenia Bulletin, 2018, 44, 1227-1234. | 4.3 | 63 |
| 3 | Functional network connectivity impairments and core cognitive deficits in schizophrenia. Human Brain Mapping, 2019, 40, 4593-4605. | 3.6 | 45 |
| 4 | White Matter in Schizophrenia Treatment Resistance. American Journal of Psychiatry, 2019, 176, 829-838. | 7.2 | 44 |
| 5 | Maternal immune activation in rats blunts brain cytokine and kynurenine pathway responses to a second immune challenge in early adulthood. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2019, 89, 286-294. | 4.8 | 40 |
| 6 | VEGF-C protects the integrity of the bone marrow perivascular niche in mice. Blood, 2020, 136, 1871-1883. | 1.4 | 38 |
| 7 | Redox Is a Global Biodevice Information Processing Modality. Proceedings of the IEEE, 2019, 107, 1402-1424. | 21.3 | 37 |
| 8 | Brain insulin resistance and altered brain glucose are related to memory impairments in schizophrenia. Schizophrenia Research, 2019, 208, 324-330. | 2.0 | 36 |
| 9 | A White Matter Connection of Schizophrenia and Alzheimer's Disease. Schizophrenia Bulletin, 2021, 47, 197-206. | 4.3 | 35 |
| 10 | Carotid Intraplaque Hemorrhage Imaging with Quantitative Vessel Wall T1 Mapping: Technical Development and Initial Experience. Radiology, 2018, 287, 276-284. | 7.3 | 34 |
| 11 | Sex Differences in Hippocampal Memory and Kynurenic Acid Formation Following Acute Sleep Deprivation in Rats. Scientific Reports, 2018, 8, 6963. | 3.3 | 33 |
| 12 | Comparing the reproducibility of commonly used magnetic resonance spectroscopy techniques to quantify cerebral glutathione. Journal of Magnetic Resonance Imaging, 2019, 49, 176-183. | 3.4 | 30 |
| 13 | An MRI-based radiomics signature as a pretreatment noninvasive predictor of overall survival and chemotherapeutic benefits in lower-grade gliomas. European Radiology, 2021, 31, 1785-1794. | 4.5 | 29 |
| 14 | Translating ENIGMA schizophrenia findings using the regional vulnerability index: Association with cognition, symptoms, and disease trajectory. Human Brain Mapping, 2022, 43, 566-575. | 3.6 | 25 |
| 15 | Stressful life events and openness to experience: Relevance to depression. Journal of Affective Disorders, 2021, 295, 711-716. | 4.1 | 22 |
| 16 | Deep learning-based MR fingerprinting ASL ReconSTRUCTION (DeepMARS). Magnetic Resonance in Medicine, 2020, 84, 1024-1034. | 3.0 | 21 |
| 17 | Cerebral cortical networking for mental workload assessment under various demands during dual-task walking. Experimental Brain Research, 2019, 237, 2279-2295. | 1.5 | 20 |
| 18 | White matter brain aging in relationship to schizophrenia and its cognitive deficit. Schizophrenia Research, 2021, 230, 9-16. | 2.0 | 20 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Metabolite Alterations in Adults With Schizophrenia, First Degree Relatives, and Healthy Controls: A Multi-Region 7T MRS Study. <i>Frontiers in Psychiatry</i> , 2021, 12, 656459. | 2.6 | 19 |
| 20 | Evidence for differential opioid use disorder in schizophrenia in an addiction treatment population. <i>Schizophrenia Research</i> , 2018, 194, 26-31. | 2.0 | 18 |
| 21 | Plaque components segmentation in carotid artery on simultaneous non-contrast angiography and intraplaque hemorrhage imaging using machine learning. <i>Magnetic Resonance Imaging</i> , 2019, 60, 93-100. | 1.8 | 18 |
| 22 | Signal processing approach to probe chemical space for discriminating redox signatures. <i>Biosensors and Bioelectronics</i> , 2018, 112, 127-135. | 10.1 | 17 |
| 23 | Latent class analysis of a syndemic of risk factors on HIV testing among black men. <i>AIDS Care - Psychological and Socio-Medical Aspects of AIDS/HIV</i> , 2019, 31, 216-223. | 1.2 | 17 |
| 24 | Validation of oxidative stress assay for schizophrenia. <i>Schizophrenia Research</i> , 2019, 212, 126-133. | 2.0 | 15 |
| 25 | Association of acute psychosocial stress with oxidative stress: Evidence from serum analysis. <i>Redox Biology</i> , 2021, 47, 102138. | 9.0 | 14 |
| 26 | Combined Oxytocin and Cognitive Behavioral Social Skills Training for Social Function in People With Schizophrenia. <i>Journal of Clinical Psychopharmacology</i> , 2021, 41, 236-243. | 1.4 | 13 |
| 27 | Fast simultaneous noncontrast angiography and intraplaque hemorrhage (f^{sc}SNAP</sup>) sequence for carotid artery imaging. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 753-758. | 3.0 | 12 |
| 28 | Bayesian modeling of dependence in brain connectivity data. <i>Biostatistics</i> , 2020, 21, 269-286. | 1.5 | 12 |
| 29 | The microRNA-195 - BDNF pathway and cognitive deficits in schizophrenia patients with minimal antipsychotic medication exposure. <i>Translational Psychiatry</i> , 2021, 11, 117. | 4.8 | 12 |
| 30 | Detecting and testing altered brain connectivity networks with k-partite network topology. <i>Computational Statistics and Data Analysis</i> , 2020, 141, 109-122. | 1.2 | 11 |
| 31 | Comparison of Novel Immunoassay With Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS) for Therapeutic Drug Monitoring of Clozapine. <i>Therapeutic Drug Monitoring</i> , 2020, 42, 771-777. | 2.0 | 11 |
| 32 | Allostatic Load Effects on Cortical and Cognitive Deficits in Essentially Normotensive, Normoweight Patients with Schizophrenia. <i>Schizophrenia Bulletin</i> , 2021, 47, 1048-1057. | 4.3 | 11 |
| 33 | N-methyl-D-aspartate Receptor Antibody and White Matter Deficits in Schizophrenia Treatment-Resistance. <i>Schizophrenia Bulletin</i> , 2021, 47, 1463-1472. | 4.3 | 11 |
| 34 | Angiographic contrast mechanism comparison between Simultaneous Non-contrast Angiography and intraPlaque hemorrhage (SNAP) sequence and Time of Flight (TOF) sequence for intracranial artery. <i>Magnetic Resonance Imaging</i> , 2020, 66, 199-207. | 1.8 | 9 |
| 35 | Comparison of regional brain deficit patterns in common psychiatric and neurological disorders as revealed by big data. <i>NeuroImage: Clinical</i> , 2021, 29, 102574. | 2.7 | 9 |
| 36 | Temporal-thalamic and cingulo-opercular connectivity in people with schizophrenia. <i>NeuroImage: Clinical</i> , 2021, 29, 102531. | 2.7 | 9 |

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|----|--|-----|-----------|
| 37 | Neuroretinal Biomarkers for Schizophrenia Spectrum Disorders. <i>Translational Vision Science and Technology</i> , 2021, 10, 29. | 2.2 | 8 |
| 38 | The additive impact of cardiovascular metabolic disorders and psychiatric illnesses on accelerated brain aging. <i>Human Brain Mapping</i> , 2022, 43, 1997-2010. | 3.6 | 8 |
| 39 | Effects of intranasal oxytocin on satiety signaling in people with schizophrenia. <i>Physiology and Behavior</i> , 2018, 189, 86-91. | 2.1 | 7 |
| 40 | Characterizing the Complexity of Weighted Networks via Graph Embedding and Point Pattern Analysis. <i>Entropy</i> , 2020, 22, 925. | 2.2 | 7 |
| 41 | Extracting brain disease-related connectome subgraphs by adaptive dense subgraph discovery. <i>Biometrics</i> , 2022, 78, 1566-1578. | 1.4 | 7 |
| 42 | Cardiovascular risks impact human brain N-acetylaspartate in regionally specific patterns. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 25243-25249. | 7.1 | 6 |
| 43 | Blinded Clinical Ratings of Social Media Data are Correlated with In-Person Clinical Ratings in Participants Diagnosed with Either Depression, Schizophrenia, or Healthy Controls. <i>Psychiatry Research</i> , 2020, 294, 113496. | 3.3 | 6 |
| 44 | A novel cortical biomarker signature for predicting pain sensitivity: protocol for the PREDICT longitudinal analytical validation study. <i>Pain Reports</i> , 2020, 5, e833. | 2.7 | 6 |
| 45 | White matter in prolonged glucocorticoid response to psychological stress in schizophrenia. <i>Neuropsychopharmacology</i> , 2021, 46, 2312-2319. | 5.4 | 6 |
| 46 | White Matter Integrity and Nicotine Dependence: Evaluating Vertical and Horizontal Pleiotropy. <i>Frontiers in Neuroscience</i> , 2021, 15, 738037. | 2.8 | 6 |
| 47 | Neural network enhanced 3D turbo spin echo for MR intracranial vessel wall imaging. <i>Magnetic Resonance Imaging</i> , 2021, 78, 7-17. | 1.8 | 5 |
| 48 | Biomarker Categorization in Transcriptomic Meta-Analysis by Concordant Patterns With Application to Pan-Cancer Studies. <i>Frontiers in Genetics</i> , 2021, 12, 651546. | 2.3 | 5 |
| 49 | Frontal white matter association with sleep quality and the role of stress. <i>Journal of Sleep Research</i> , 2023, 32, . | 3.2 | 5 |
| 50 | Refractory Longitudinally Extensive Transverse Myelitis Responsive to Cyclophosphamide. <i>Canadian Journal of Neurological Sciences</i> , 2017, 44, 736-739. | 0.5 | 4 |
| 51 | Clinical and genetic validity of quantitative bipolarity. <i>Translational Psychiatry</i> , 2019, 9, 228. | 4.8 | 4 |
| 52 | Relations Among Anhedonia, Reinforcement Learning, and Global Functioning in Help-seeking Youth. <i>Schizophrenia Bulletin</i> , 2021, 47, 1534-1543. | 4.3 | 4 |
| 53 | Computerized Assessment of Psychosis Risk. <i>Journal of Psychiatry and Brain Science</i> , 2021, 6, . | 0.5 | 3 |
| 54 | Bayes estimate of primary threshold in clusterwise functional magnetic resonance imaging inferences. <i>Statistics in Medicine</i> , 2021, 40, 5673-5689. | 1.6 | 3 |

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|----|---|-----|-----------|
| 55 | Anti-aggressive effects of clozapine in involuntarily committed black patients with severe mental illness. <i>Schizophrenia Research</i> , 2022, 243, 163-169. | 2.0 | 3 |
| 56 | People with schizophrenia show enhanced cognitive costs of maintaining a single item in working memory. <i>Psychological Medicine</i> , 2020, 50, 867-873. | 4.5 | 2 |
| 57 | ICN: extracting interconnected communities in gene co-expression networks. <i>Bioinformatics</i> , 2021, , . | 4.1 | 2 |
| 58 | Detecting survival-associated biomarkers from heterogeneous populations. <i>Scientific Reports</i> , 2021, 11, 3203. | 3.3 | 2 |
| 59 | The effect of COVID-19 stay-at-home order and campus closure on the prevalence of acute respiratory infection symptoms in college campus cohorts. <i>Influenza and Other Respiratory Viruses</i> , 2021, 15, 331-335. | 3.4 | 2 |
| 60 | Comparing empirical kinship derived heritability for imaging genetics traits in the UK biobank and human connectome project. <i>NeuroImage</i> , 2021, 245, 118700. | 4.2 | 2 |
| 61 | An integrated cluster-wise significance measure for $\langle \text{scp} \rangle \text{fMRI} \langle / \text{scp} \rangle$ analysis. <i>Human Brain Mapping</i> , 2022, 43, 2444-2459. | 3.6 | 2 |
| 62 | Mapping local and long-distance resting connectivity markers of TMS-related inhibition reduction in schizophrenia. <i>NeuroImage: Clinical</i> , 2021, 31, 102688. | 2.7 | 1 |
| 63 | Blood pressure-related differences in brain health between young African Americans and Caucasian Americans. <i>Physiological Reports</i> , 2021, 9, e14819. | 1.7 | 1 |
| 64 | Can language use in social media help in the treatment of severe mental illness?. , 2021, 1, 1-4. | | 1 |
| 65 | Meta-Analysis of Transcriptome-Wide Association Studies across 13 Brain Tissues Identified Novel Clusters of Genes Associated with Nicotine Addiction. <i>Genes</i> , 2022, 13, 37. | 2.4 | 1 |
| 66 | SATuration-Recovery and Variable-Flip-Angle (SAVA) based three-dimensional free-breathing cardiovascular magnetic resonance T_1 mapping at 3T. <i>NMR in Biomedicine</i> , 2022, , e4755. | 2.8 | 1 |
| 67 | Remote clinical research operations during COVID-19: lessons learned and recommendations. <i>Sleep</i> , 2022, 45, . | 1.1 | 1 |
| 68 | L-Tetrahydropalmatine, a Novel Dopamine Antagonist, Fails to Improve Psychiatric Symptoms as Adjunctive Treatment for Schizophrenia. <i>Schizophrenia Bulletin Open</i> , 2020, 1, . | 1.7 | 0 |
| 69 | Link predictions for incomplete network data with outcome misclassification. <i>Statistics in Medicine</i> , 2021, 40, 1519-1534. | 1.6 | 0 |
| 70 | Separating Clinical and Subclinical Depression by Big Data Informed Structural Vulnerability Index and Its impact on Cognition: ENIGMA Dot Product. , 2021, , . | | 0 |
| 71 | A new Mendelian Randomization method to estimate causal effects of multivariable brain imaging exposures. , 2021, , . | | 0 |
| 72 | Statistical Commentary. <i>Journal of Nervous and Mental Disease</i> , 2022, 210, 137-138. | 1.0 | 0 |

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|----|---|-----|-----------|
| 73 | Separating Clinical and Subclinical Depression by Big Data Informed Structural Vulnerability Index and Its impact on Cognition: ENIGMA Dot Product. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2022, 27, 133-143. | 0.7 | 0 |
| 74 | Blood flow and perfusion lateralization in border zone infarct using 4D flow and arterial spin labeling. Neuroradiology, 0, , . | 2.2 | 0 |
| 75 | Modeling multivariate age-related imaging variables with dependencies. Statistics in Medicine, 0, , . | 1.6 | 0 |