S Andrea Wijtenburg

List of Publications by Year
in descending order

42 papers	1,188 citations	361413 20 h-index	414414 32 g-index
42 all docs	42 docs citations	42 times ranked	2151 citing authors

#	Article	IF	Citations
1	Frontal Glutamate and Î³-Aminobutyric Acid Levels and Their Associations With Mismatch Negativity and Digit Sequencing Task Performance in Schizophrenia. JAMA Psychiatry, 2016, 73, 166.	11.0	78
2	In vivo assessment of neurotransmitters and modulators with magnetic resonance spectroscopy: Application to schizophrenia. Neuroscience and Biobehavioral Reviews, 2015, 51, 276-295.	6.1	75
3	Reproducibility of brain spectroscopy at 7T using conventional localization and spectral editing techniques. Journal of Magnetic Resonance Imaging, 2013, 38, 460-467.	3.4	70
4	Comparison of single voxel brain MRS AT 3T and 7T using 32-channel head coils. Magnetic Resonance Imaging, 2015, 33, 1013-1018.	1.8	68
5	Very short echo time improves the precision of glutamate detection at 3T in ^{1}H magnetic resonance spectroscopy. Journal of Magnetic Resonance Imaging, 2011, 34, 645-652.	3.4	67
6	Neurometabolites and associations with cognitive deficits in mild cognitive impairment: a magnetic resonance spectroscopy study at 7ÂTesla. Neurobiology of Aging, 2019, 73, 211-218.	3.1	61
7	Tryptophan Metabolism and White Matter Integrity in Schizophrenia. Neuropsychopharmacology, 2016, 41, 2587-2595.	5.4	60
8	Reproducibility of phase rotation STEAM at 3T: Focus on glutathione. Magnetic Resonance in Medicine, 2014, 72, 603-609.	3.0	46
9	Evaluation of Myo-Inositol as a Potential Biomarker for Depression in Schizophrenia. Neuropsychopharmacology, 2015, 40, 2157-2164.	5.4	46
10	Altered Glutamate and Regional Cerebral Blood Flow Levels in Schizophrenia: A 1H-MRS and pCASL study. Neuropsychopharmacology, 2017, 42, 562-571.	5.4	46
11	Anterior Cingulate Glutamate and GABA Associations on Functional Connectivity in Schizophrenia. Schizophrenia Bulletin, 2019, 45, 647-658.	4.3	45
12	Accelerated white matter aging in schizophrenia: role of white matter blood perfusion. Neurobiology of Aging, 2014, 35, 2411-2418.	3.1	42
13	Multimodal white matter imaging to investigate reduced fractional anisotropy and its age-related decline in schizophrenia. Psychiatry Research - Neuroimaging, 2014, 223, 148-156.	1.8	37
14	TMS evoked N100 reflects local GABA and glutamate balance. Brain Stimulation, 2018, 11, 1071-1079.	1.6	36
15	Brain insulin resistance and altered brain glucose are related to memory impairments in schizophrenia. Schizophrenia Research, 2019, 208, 324-330.	2.0	36
16	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
17	Combining diffusion tensor imaging and magnetic resonance spectroscopy to study reduced frontal white matter integrity in youths with family histories of substance use disorders. Human Brain Mapping, 2014, 35, 5877-5887.	3.6	26
18	Cerebellar-Stimulation Evoked Prefrontal Electrical Synchrony Is Modulated by GABA. Cerebellum, 2018, 17, 550-563.	2.5	25

#	Article	IF	Citations
19	Antigliadin Antibodies (AGA IgG) Are Related to Neurochemistry in Schizophrenia. Frontiers in Psychiatry, 2017, 8, 104.	2.6	24
20	Salivary kynurenic acid response to psychological stress: inverse relationship to cortical glutamate in schizophrenia. Neuropsychopharmacology, 2018, 43, 1706-1711.	5.4	24
21	Miniature pig model of human adolescent brain white matter development. Journal of Neuroscience Methods, 2018, 296, 99-108.	2.5	22
22	Sleep quality is related to brain glutamate and symptom severity in schizophrenia. Journal of Psychiatric Research, 2020, 120, 14-20.	3.1	21
23	Neurotransmitters and Neurometabolites in Late-Life Depression: A Preliminary Magnetic Resonance Spectroscopy Study at 7T. Journal of Affective Disorders, 2021, 279, 417-425.	4.1	20
24	Glutamatergic metabolites are associated with visual plasticity in humans. Neuroscience Letters, 2017, 644, 30-36.	2.1	19
25	Glutamatergic metabolites among adolescents at risk for psychosis. Psychiatry Research, 2017, 257, 179-185.	3.3	19
26	Metabolite Alterations in Adults With Schizophrenia, First Degree Relatives, and Healthy Controls: A Multi-Region 7T MRS Study. Frontiers in Psychiatry, 2021, 12, 656459.	2.6	19
27	Reconstructing very short TE phase rotation spectral data collected with multichannel phased-array coils at 3 T. Magnetic Resonance Imaging, 2011, 29, 937-942.	1.8	16
28	Normalizing data from GABA-edited MEGA-PRESS implementations at 3 Tesla. Magnetic Resonance Imaging, 2017, 42, 8-15.	1.8	15
29	Reproducibility of brain MRS in older healthy adults at 7T. NMR in Biomedicine, 2019, 32, e4040.	2.8	15
30	Reproducibility of phase rotation stimulated echo acquisition mode at 3T in schizophrenia: Emphasis on glutamine. Magnetic Resonance in Medicine, 2016, 75, 498-502.	3.0	12
31	White matter and hypoxic hypobaria in humans. Human Brain Mapping, 2019, 40, 3165-3173.	3.6	12
32	Miniature pig magnetic resonance spectroscopy model of normal adolescent brain development. Journal of Neuroscience Methods, 2018, 308, 173-182.	2.5	10
33	Sex Differences in Subjective Sleep Quality Patterns in Schizophrenia. Behavioral Sleep Medicine, 2020, 18, 668-679.	2.1	9
34	Effectiveness of fast mapping to promote learning in schizophrenia. Schizophrenia Research: Cognition, 2016, 4, 24-31.	1.3	8
35	Lipid Metabolism, Abdominal Adiposity, and Cerebral Health in the Amish. Obesity, 2017, 25, 1876-1880.	3.0	8
36	Cardiovascular risks impact human brain N-acetylaspartate in regionally specific patterns. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 25243-25249.	7.1	6

#	Article	IF	Citations
37	Multimodal Neuroimaging Study of Visual Plasticity in Schizophrenia. Frontiers in Psychiatry, 2021, 12, 644271.	2.6	5
38	Anterior cingulate GABA levels predict whole-brain cerebral blood flow. Neuroscience Letters, 2014, 561, 188-191.	2.1	4
39	Lower glutamate level in temporo-parietal junction may predict a better response to tDCS in schizophrenia. Schizophrenia Research, 2018, 201, 422-423.	2.0	4
40	OUP accepted manuscript. Schizophrenia Bulletin, 2022, , .	4.3	2
41	Magnetic Resonance Spectroscopy Gamma-Aminobutyric Acid: A Promising Biomarker for Antipsychotic Treatment?. Biological Psychiatry, 2018, 83, 468-469.	1.3	0
42	S87. ALTERED BRAIN MACROMOLECULES IN SCHIZOPHRENIA: A 1H MRS STUDY. Schizophrenia Bulletin, 2019, 45, S340-S341.	4.3	0