

Andrea Federspiel

List of Publications by Year in descending order

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116
papers

4,629
citations

94269

37
h-index

118652

62
g-index

119
all docs

119
docs citations

119
times ranked

5669
citing authors

#	ARTICLE	IF	CITATIONS
1	Pathways That Make Voices. Archives of General Psychiatry, 2004, 61, 658.	13.8	444
2	Structural plasticity in the language system related to increased second language proficiency. Cortex, 2012, 48, 458-465.	1.1	191
3	Association of individual resting state EEG alpha frequency and cerebral blood flow. NeuroImage, 2010, 51, 365-372.	2.1	146
4	The spatiotemporal pattern of auditory cortical responses during verbal hallucinations. NeuroImage, 2005, 27, 644-655.	2.1	144
5	Alterations of white matter integrity related to motor activity in schizophrenia. Neurobiology of Disease, 2011, 42, 276-283.	2.1	138
6	Semantic memory involvement in the default mode network: A functional neuroimaging study using independent component analysis. NeuroImage, 2011, 54, 3057-3066.	2.1	134
7	Frontal white matter integrity is related to psychomotor retardation in major depression. Neurobiology of Disease, 2012, 47, 13-19.	2.1	134
8	Altered cortico-basal ganglia motor pathways reflect reduced volitional motor activity in schizophrenia. Schizophrenia Research, 2013, 143, 269-276.	1.1	119
9	Aberrant Hyperconnectivity in the Motor System at Rest Is Linked to Motor Abnormalities in Schizophrenia Spectrum Disorders. Schizophrenia Bulletin, 2017, 43, 982-992.	2.3	112
10	Examining the gateway to the limbic system with diffusion tensor imaging: The perforant pathway in dementia. NeuroImage, 2006, 30, 713-720.	2.1	110
11	Alterations of white matter connectivity in first episode schizophrenia. Neurobiology of Disease, 2006, 22, 702-709.	2.1	108
12	Structural and metabolic changes in language areas linked to formal thought disorder. British Journal of Psychiatry, 2009, 194, 130-138.	1.7	108
13	Resting state cerebral blood flow and objective motor activity reveal basal ganglia dysfunction in schizophrenia. Psychiatry Research - Neuroimaging, 2011, 192, 117-124.	0.9	102
14	Reduced Neuronal Activity in Language-Related Regions After Transcranial Magnetic Stimulation Therapy for Auditory Verbal Hallucinations. Biological Psychiatry, 2013, 73, 518-524.	0.7	93
15	White matter microstructure alterations of the medial forebrain bundle in melancholic depression. Journal of Affective Disorders, 2014, 155, 186-193.	2.0	76
16	Reduced frontal activation with increasing 2nd language proficiency. Neuropsychologia, 2009, 47, 2712-2720.	0.7	74
17	Resting-State Hyperperfusion of the Supplementary Motor Area in Catatonia. Schizophrenia Bulletin, 2017, 43, sbw140.	2.3	74
18	Cortico-Cortical White Matter Motor Pathway Microstructure Is Related to Psychomotor Retardation in Major Depressive Disorder. PLoS ONE, 2012, 7, e52238.	1.1	74

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19	Sex Differences in Semantic Processing: Event-Related Brain Potentials Distinguish between Lower and Higher Order Semantic Analysis during Word Reading. <i>Cerebral Cortex</i> , 2007, 17, 1987-1997.	1.6	69
20	White matter pathway organization of the reward system is related to positive and negative symptoms in schizophrenia. <i>Schizophrenia Research</i> , 2014, 153, 136-142.	1.1	69
21	Differential patterns of multisensory interactions in core and belt areas of human auditory cortex. <i>NeuroImage</i> , 2006, 31, 294-300.	2.1	64
22	Structural Analysis of Heschl's Gyrus in Schizophrenia Patients with Auditory Hallucinations. <i>Neuropsychobiology</i> , 2010, 61, 1-9.	0.9	62
23	Muting the Voice: A Case of Arterial Spin Labeling-Monitored Transcranial Direct Current Stimulation Treatment of Auditory Verbal Hallucinations. <i>American Journal of Psychiatry</i> , 2011, 168, 853-854.	4.0	62
24	Lesions to Primary Sensory and Posterior Parietal Cortices Impair Recovery from Hand Paresis after Stroke. <i>PLoS ONE</i> , 2012, 7, e31275.	1.1	58
25	Neural correlates of disbalanced motor control in major depression. <i>Journal of Affective Disorders</i> , 2012, 136, 124-133.	2.0	57
26	New evidence for involvement of the entorhinal region in schizophrenia: a combined MRI volumetric and DTI study. <i>NeuroImage</i> , 2005, 24, 1122-1129.	2.1	52
27	Gray matter volume differences specific to formal thought disorder in schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2010, 182, 183-186.	0.9	50
28	Ventral striatum gray matter density reduction in patients with schizophrenia and psychotic emotional dysregulation. <i>NeuroImage: Clinical</i> , 2014, 4, 232-239.	1.4	49
29	Increased Striatal and Reduced Prefrontal Cerebral Blood Flow in Clinical High Risk for Psychosis. <i>Schizophrenia Bulletin</i> , 2018, 44, 182-192.	2.3	49
30	Dissociation between overt and unconscious face processing in fusiform face area. <i>NeuroImage</i> , 2004, 21, 75-83.	2.1	46
31	Reduced Cerebral Blood Flow Within the Default-Mode Network and Within Total Gray Matter in Major Depression. <i>Brain Connectivity</i> , 2012, 2, 303-310.	0.8	44
32	Reduced hippocampal anisotropy related to anteriorization of alpha EEG in schizophrenia. <i>NeuroReport</i> , 2003, 14, 739-742.	0.6	43
33	The early context effect reflects activity in the temporo-prefrontal semantic system: Evidence from electrical neuroimaging of abstract and concrete word reading. <i>NeuroImage</i> , 2008, 42, 423-436.	2.1	43
34	Linking Brain Connectivity Across Different Time Scales with Electroencephalogram, Functional Magnetic Resonance Imaging, and Diffusion Tensor Imaging. <i>Brain Connectivity</i> , 2012, 2, 11-20.	0.8	43
35	Supplementary motor area (SMA) volume is associated with psychotic aberrant motor behaviour of patients with schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2014, 223, 49-51.	0.9	43
36	The amygdala in schizophrenia: a trimodal magnetic resonance imaging study. <i>Neuroscience Letters</i> , 2005, 375, 151-156.	1.0	41

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37	Semantic Network Disconnection in Formal Thought Disorder. <i>Neuropsychobiology</i> , 2012, 66, 14-23.	0.9	41
38	Possible dysregulation of cortical plasticity in auditory verbal hallucinationsâ€“A cortical thickness study in schizophrenia. <i>Journal of Psychiatric Research</i> , 2012, 46, 1015-1023.	1.5	40
39	Validation of Network Communicability Metrics for the Analysis of Brain Structural Networks. <i>PLoS ONE</i> , 2014, 9, e115503.	1.1	40
40	Cerebral white matter structure is associated with DSM-5 schizophrenia symptom dimensions. <i>NeuroImage: Clinical</i> , 2016, 12, 93-99.	1.4	38
41	Cell-type specific alterations of cortical interneurons in schizophrenic patients. <i>NeuroReport</i> , 2002, 13, 713-717.	0.6	37
42	Structural brain correlates of defective gesture performance in schizophrenia. <i>Cortex</i> , 2016, 78, 125-137.	1.1	36
43	Discovering frequency sensitive thalamic nuclei from EEG microstate informed resting state fMRI. <i>NeuroImage</i> , 2015, 118, 368-375.	2.1	35
44	Encoding deficit during face processing within the right fusiform face area in schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2009, 172, 184-191.	0.9	34
45	Specific cerebral perfusion patterns in three schizophrenia symptom dimensions. <i>Schizophrenia Research</i> , 2017, 190, 96-101.	1.1	34
46	Functional topography of the thalamo-cortical system during development and its relation to cognition. <i>NeuroImage</i> , 2020, 223, 117361.	2.1	33
47	The neurophysiological time pattern of illusionary visual perceptual transitions: a simultaneous EEG and fMRI study. <i>International Journal of Psychophysiology</i> , 2005, 55, 299-312.	0.5	29
48	Microstructure and Cerebral Blood Flow within White Matter of the Human Brain: A TBSS Analysis. <i>PLoS ONE</i> , 2016, 11, e0150657.	1.1	29
49	Theta burst TMS increases cerebral blood flow in the primary motor cortex during motor performance as assessed by arterial spin labeling (ASL). <i>NeuroImage</i> , 2012, 61, 599-605.	2.1	28
50	Glucocorticoid Administration Improves Aberrant Fear-Processing Networks in Spider Phobia. <i>Neuropsychopharmacology</i> , 2017, 42, 485-494.	2.8	27
51	Interhemispheric Cerebral Blood Flow Balance during Recovery of Motor Hand Function after Ischemic Strokeâ€“A Longitudinal MRI Study Using Arterial Spin Labeling Perfusion. <i>PLoS ONE</i> , 2014, 9, e106327.	1.1	26
52	Quantification of Network Perfusion in ASL Cerebral Blood Flow Data with Seed Based and ICA Approaches. <i>Brain Topography</i> , 2013, 26, 569-580.	0.8	25
53	White matter integrity associated with volitional motor activity. <i>NeuroReport</i> , 2010, 21, 381-385.	0.6	24
54	Cerebral connectivity and psychotic personality traits. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2008, 258, 292-299.	1.8	23

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55	Spider phobia is associated with decreased left amygdala volume: a cross-sectional study. <i>BMC Psychiatry</i> , 2013, 13, 70.	1.1	23
56	Correlation between Topographic N400 Anomalies and Reduced Cerebral Blood Flow in the Anterior Temporal Lobes of Patients with Dementia. <i>Journal of Alzheimer's Disease</i> , 2013, 36, 711-731.	1.2	23
57	The cortical signature of impaired gesturing: Findings from schizophrenia. <i>NeuroImage: Clinical</i> , 2018, 17, 213-221.	1.4	23
58	Formal thought disorder is related to aberrations in language-related white matter tracts in patients with schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2018, 279, 40-50.	0.9	23
59	Altered diffusion in motor white matter tracts in psychosis patients with catatonia. <i>Schizophrenia Research</i> , 2020, 220, 210-217.	1.1	23
60	Aberrant fronto-striatal connectivity and fine motor function in schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2019, 288, 44-50.	0.9	22
61	The role of the orbitofrontal cortex and the nucleus accumbens for craving in alcohol use disorder. <i>Translational Psychiatry</i> , 2021, 11, 267.	2.4	22
62	Striatal cerebral blood flow, executive functioning, and fronto-striatal functional connectivity in clinical high risk for psychosis. <i>Schizophrenia Research</i> , 2018, 201, 231-236.	1.1	21
63	In human non-REM sleep, more slow-wave activity leads to less blood flow in the prefrontal cortex. <i>Scientific Reports</i> , 2017, 7, 14993.	1.6	20
64	Dissociated lateralization of transient and sustained blood oxygen level-dependent signal components in human primary auditory cortex. <i>NeuroImage</i> , 2007, 34, 1637-1642.	2.1	19
65	Relation of white matter anisotropy to visual memory in 17 healthy subjects. <i>Brain Research</i> , 2007, 1168, 60-66.	1.1	19
66	Magnetic resonance spectroscopy investigations of functionally defined language areas in schizophrenia patients with and without auditory hallucinations. <i>NeuroImage</i> , 2014, 94, 23-32.	2.1	19
67	Rivalry of homeostatic and sensory-evoked emotions: Dehydration attenuates olfactory disgust and its neural correlates. <i>NeuroImage</i> , 2015, 114, 120-127.	2.1	19
68	Evidence for a cognitive control network for goal-directed attention in simple sustained attention. <i>Brain and Cognition</i> , 2013, 81, 193-202.	0.8	18
69	Increased structural connectivity of the medial forebrain bundle in schizophrenia spectrum disorders is associated with delusions of paranoid threat and grandiosity. <i>NeuroImage: Clinical</i> , 2019, 24, 102044.	1.4	17
70	Limbic links to paranoia: increased resting-state functional connectivity between amygdala, hippocampus and orbitofrontal cortex in schizophrenia patients with paranoia. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2022, 272, 1021-1032.	1.8	17
71	Alterations of White Matter Integrity Related to the Season of Birth in Schizophrenia: A DTI Study. <i>PLoS ONE</i> , 2013, 8, e75508.	1.1	16
72	Physical activity is associated with left corticospinal tract microstructure in bipolar depression. <i>NeuroImage: Clinical</i> , 2018, 20, 939-945.	1.4	16

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73	Dysbalanced Resting-State Functional Connectivity Within the Praxis Network Is Linked to Gesture Deficits in Schizophrenia. <i>Schizophrenia Bulletin</i> , 2020, 46, 905-915.	2.3	16
74	Associations between anterior cingulate thickness, cingulum bundle microstructure, melancholia and depression severity in unipolar depression. <i>Journal of Affective Disorders</i> , 2022, 301, 437-444.	2.0	16
75	Striatal responsiveness to reward under threat of shock and working memory load: A preliminary study. <i>Brain and Behavior</i> , 2019, 9, e01397.	1.0	15
76	Link between structural connectivity of the medial forebrain bundle, functional connectivity of the ventral tegmental area, and anhedonia in unipolar depression. <i>NeuroImage: Clinical</i> , 2022, 34, 102961.	1.4	15
77	Alcohol-related context modulates neural correlates of inhibitory control in alcohol dependent patients: Preliminary data from an fMRI study using an alcohol-related Go/NoGo-task. <i>Behavioural Brain Research</i> , 2021, 398, 112973.	1.2	14
78	Reduced tract length of the medial forebrain bundle and the anterior thalamic radiation in bipolar disorder with melancholic depression. <i>Journal of Affective Disorders</i> , 2020, 274, 8-14.	2.0	14
79	Brain responses to auditory and visual stimulus offset: Shared representations of temporal edges. <i>Human Brain Mapping</i> , 2009, 30, 725-733.	1.9	13
80	White matter correlates of the disorganized speech dimension in schizophrenia. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2018, 268, 99-104.	1.8	13
81	Decreased blood flow in the right insula and middle temporal gyrus predicts negative formal thought disorder in schizophrenia. <i>Schizophrenia Research</i> , 2018, 201, 432-434.	1.1	13
82	Neurological Soft Signs Are Associated With Altered White Matter in Patients With Schizophrenia. <i>Schizophrenia Bulletin</i> , 2022, 48, 220-230.	2.3	13
83	Performance during Face Processing Differentiates Schizophrenia Patients with Delusional Misidentifications. <i>Psychopathology</i> , 2010, 43, 127-136.	1.1	12
84	CBT reduces CBF: cognitive behavioral therapy reduces cerebral blood flow in fear-relevant brain regions in spider phobia. <i>Brain and Behavior</i> , 2016, 6, e00510.	1.0	12
85	Prestimulus default mode activity influences depth of processing and recognition in an emotional memory task. <i>Human Brain Mapping</i> , 2016, 37, 924-932.	1.9	12
86	White matter anisotropy related to electrophysiology of first episode schizophrenia during NoGo inhibition. <i>Neurobiology of Disease</i> , 2008, 30, 270-280.	2.1	11
87	A Thalamic-Fronto-Parietal Structural Covariance Network Emerging in the Course of Recovery from Hand Paresis after Ischemic Stroke. <i>Frontiers in Neurology</i> , 2015, 6, 211.	1.1	11
88	Dissociation of epileptic and inflammatory activity in Rasmussen Encephalitis. <i>Epilepsy Research</i> , 2009, 83, 265-268.	0.8	10
89	Glucocorticoid administration restores salience network activity in patients with spider phobia. <i>Depression and Anxiety</i> , 2018, 35, 925-934.	2.0	10
90	Cognitive improvement in patients with carotid stenosis is independent of treatment type. <i>Swiss Medical Weekly</i> , 2015, 145, w14226.	0.8	10

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91	Measurements of degradation of silicon detectors and electronics in various radiation environments. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1990, 288, 68-75.	0.7	9
92	The link between visual exploration and neuronal activity: A multi-modal study combining eye tracking, functional magnetic resonance imaging and transcranial magnetic stimulation. <i>NeuroImage</i> , 2012, 59, 3652-3661.	2.1	9
93	Thirst-Dependent Activity of the Insular Cortex Reflects its Emotion-Related Subdivision: A Cerebral Blood Flow Study. <i>Neuroscience</i> , 2018, 383, 170-177.	1.1	9
94	Inferior frontal gyrus gray matter volume is associated with aggressive behavior in schizophrenia spectrum disorders. <i>Psychiatry Research - Neuroimaging</i> , 2019, 290, 14-21.	0.9	9
95	Striatal reactivity to reward under threat-of-shock and working memory load in adults at increased familial risk for major depression: A preliminary study. <i>NeuroImage: Clinical</i> , 2020, 26, 102193.	1.4	9
96	Cerebral blood flow and cognitive outcome after pediatric stroke in the middle cerebral artery. <i>Scientific Reports</i> , 2021, 11, 19421.	1.6	9
97	Neural response to catecholamine depletion in remitted bulimia nervosa: Relation to depression and relapse. <i>European Neuropsychopharmacology</i> , 2017, 27, 633-646.	0.3	8
98	Neural Correlates of Impaired Rewardâ€“Effort Integration in Remitted Bulimia Nervosa. <i>Neuropsychopharmacology</i> , 2018, 43, 868-876.	2.8	8
99	Increased Anxiety After Stimulation of the Right Inferior Parietal Lobe and the Left Orbitofrontal Cortex. <i>Frontiers in Psychiatry</i> , 2020, 11, 375.	1.3	8
100	Targeting hippocampal hyperactivity with real-time fMRI neurofeedback: protocol of a single-blind randomized controlled trial in mild cognitive impairment. <i>BMC Psychiatry</i> , 2021, 21, 87.	1.1	8
101	Structural organization of the praxis network predicts gesture production: Evidence from healthy subjects and patients with schizophrenia. <i>Cortex</i> , 2020, 132, 322-333.	1.1	7
102	Reduced structural connectivity of the amygdala is associated with childhood trauma in adult patients with alcohol use disorder. <i>Addiction Biology</i> , 2022, 27, e13164.	1.4	7
103	Rey Visual Design Learning Test performance correlates with white matter structure. <i>Acta Neuropsychiatrica</i> , 2009, 21, 67-74.	1.0	6
104	Implication of cerebral circulation time in intracranial stenosis measured by digital subtraction angiography on cerebral blood flow estimation measured by arterial spin labeling. <i>Diagnostic and Interventional Radiology</i> , 2016, 22, 481-488.	0.7	6
105	Cerebral blood flow imbalance is associated with motor outcome after pediatric arterial ischemic stroke. <i>PLoS ONE</i> , 2019, 14, e0223584.	1.1	6
106	Motion standstill leads to activation of inferior parietal lobe. <i>Human Brain Mapping</i> , 2006, 27, 340-349.	1.9	5
107	Targeting Obsessive-Compulsive Symptoms With rTMS and Perfusion Imaging. <i>American Journal of Psychiatry</i> , 2018, 175, 81-83.	4.0	3
108	Trapped in a Glass Bell Jar: Neural Correlates of Depersonalization and Derealization in Subjects at Clinical High-Risk of Psychosis and Depersonalizationâ€“Derealization Disorder. <i>Frontiers in Psychiatry</i> , 2020, 11, 535652.	1.3	2

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109	Cognitive outcome is related to functional thalamo-cortical connectivity after paediatric stroke. Brain Communications, 2022, 4, .	1.5	2
110	<title>Correcting eddy current effects in hybrid spaces using phase gradients</title>. , 2002, , .		1
111	Modulation of BOLD and Arterial Spin Labeling (ASL-CBF) Response in Patients with Transient Visual Impairment after Posterior Circulation Stroke*. Klinische Neuroradiologie, 2006, 16, 228-235.	0.9	1
112	Subclinical paranoid beliefs and enhanced neural response during processing of unattractive faces. NeuroImage: Clinical, 2020, 27, 102269.	1.4	1
113	Glucocorticoids and cortical decoding in the phobic brain. Psychiatry Research - Neuroimaging, 2020, 300, 111066.	0.9	1
114	Effect of Season of Birth on Hippocampus Volume in a Transdiagnostic Sample of Patients With Depression and Schizophrenia. Frontiers in Human Neuroscience, 0, 16, .	1.0	1
115	T177. STRUCTURAL ORGANIZATION OF THE PRAXIS NETWORK PREDICTS GESTURE PRODUCTION: EVIDENCE FROM HEALTHY SUBJECTS AND PATIENTS WITH SCHIZOPHRENIA. Schizophrenia Bulletin, 2018, 44, S184-S185.	2.3	0
116	S144. SUBJECTIVE LANGUAGE APTITUDE IS LINKED TO NEURAL ACTIVITY IN LANGUAGE AREAS, BUT NOT TO BEHAVIORAL OUTCOME. Schizophrenia Bulletin, 2020, 46, S91-S91.	2.3	0