Aysenil Belger

List of Publications by Year
in descending order

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133 papers	10,679 citations	31976 53 h-index	34986 98 g-index
137 all docs	137 docs citations	137 times ranked	12852 citing authors

#	Article	IF	Citations
1	Cortical Brain Abnormalities in 4474 Individuals With Schizophrenia and 5098 Control Subjects via the Enhancing Neuro Imaging Genetics Through Meta Analysis (ENIGMA) Consortium. Biological Psychiatry, 2018, 84, 644-654.	1.3	627
2	The early stages of schizophrenia: speculations on pathogenesis, pathophysiology, and therapeutic approaches. Biological Psychiatry, 2001, 50, 884-897.	1.3	506
3	NMDA receptor antagonist effects, cortical glutamatergic function, and schizophrenia: toward a paradigm shift in medication development. Psychopharmacology, 2003, 169, 215-233.	3.1	477
4	Human Extrastriate Visual Cortex and the Perception of Faces, Words, Numbers, and Colors. Cerebral Cortex, 1994, 4, 544-554.	2.9	469
5	The genetic architecture of the human cerebral cortex. Science, 2020, 367, .	12.6	450
6	Comparative and Interactive Human Psychopharmacologic Effects of Ketamine and Amphetamine. Archives of General Psychiatry, 2005, 62, 985.	12.3	295
7	Association of Thalamic Dysconnectivity and Conversion to Psychosis in Youth and Young Adults at Elevated Clinical Risk. JAMA Psychiatry, 2015, 72, 882.	11.0	284
8	Interhemispheric Interaction: How Do the Hemispheres Divide and Conquer a Task?. Cortex, 1990, 26, 77-94.	2.4	257
9	Preliminary evidence of attenuation of the disruptive effects of the NMDA glutamate receptor antagonist, ketamine, on working memory by pretreatment with the group II metabotropic glutamate receptor agonist, LY354740, in healthy human subjects. Psychopharmacology, 2005, 179, 303-309.	3.1	255
10	Testâ€“retest and betweenâ€site reliability in a multicenter fMRI study. Human Brain Mapping, 2008, 29, 958-972.	3.6	225
11	Transcranial magnetic stimulation of left temporoparietal cortex in three patients reporting hallucinated â€œvoicesâ€. Biological Psychiatry, 1999, 46, 130-132.	1.3	218
12	Dysregulation of working memory and defaultâ€mode networks in schizophrenia using independent component analysis, an fBIRN and MCIC study. Human Brain Mapping, 2009, 30, 3795-3811.	3.6	216
13	NMDA Agonists and Antagonists as Probes of Glutamatergic Dysfunction and Pharmacotherapies in Neuropsychiatric Disorders. Harvard Review of Psychiatry, 1999, 7, 125-143.	2.1	210
14	Neural Correlates of Impaired Cognitive-Behavioral Flexibility in Anorexia Nervosa. American Journal of Psychiatry, 2009, 166, 608-616.	7.2	208
15	Function biomedical informatics research network recommendations for prospective multicenter functional MRI studies. Journal of Magnetic Resonance Imaging, 2012, 36, 39-54.	3.4	201
16	Prefrontal Activation Evoked by Infrequent Target and Novel Stimuli in a Visual Target Detection Task: An Event-Related Functional Magnetic Resonance Imaging Study. Journal of Neuroscience, 2000, 20, 6612-6618.	3.6	199
17	Dissociation of mnemonic and perceptual processes during spatial and nonspatial working memory using fMRI. Human Brain Mapping, 1998, 6, 14-32.	3.6	187
18	Midlatency evoked potentials attenuation and augmentation reflect different aspects of sensory gating. Biological Psychiatry, 1999, 45, 917-922.	1.3	187

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19	Imaging Frontostriatal Function in Ultra-High-Risk, Early, and Chronic Schizophrenia During Executive Processing. Archives of General Psychiatry, 2005, 62, 254.	12.3	186
20	The Neural Circuitry Mediating Shifts in Behavioral Response and Cognitive Set in Autism. Biological Psychiatry, 2008, 63, 974-980.	1.3	177
21	Dissociation of ketamine effects on rule acquisition and rule implementation: possible relevance to NMDA receptor contributions to executive cognitive functions. Biological Psychiatry, 2000, 47, 137-143.	1.3	168
22	Comparison of four components of sensory gating in schizophrenia and normal subjects: a preliminary report. Psychiatry Research, 1999, 88, 119-130.	3.3	167
23	Cerebello-thalamo-cortical hyperconnectivity as a state-independent functional neural signature for psychosis prediction and characterization. Nature Communications, 2018, 9, 3836.	12.8	156
24	A multi-site resting state fMRI study on the amplitude of low frequency fluctuations in schizophrenia. Frontiers in Neuroscience, 2013, 7, 137.	2.8	144
25	Multisite reliability of MR-based functional connectivity. NeuroImage, 2017, 146, 959-970.	4.2	140
26	Interhemispheric interaction affected by computational complexity. Neuropsychologia, 1992, 30, 923-929.	1.6	130
27	Multimodal neuromarkers in schizophrenia via cognition-guided MRI fusion. Nature Communications, 2018, 9, 3028.	12.8	127
28	The benefit of directly comparing autism and schizophrenia for revealing mechanisms of social cognitive impairment. Journal of Neurodevelopmental Disorders, 2011, 3, 87-100.	3.1	117
29	The Function Biomedical Informatics Research Network Data Repository. NeuroImage, 2016, 124, 1074-1079.	4.2	114
30	Emotional priming effects during Stroop task performance. NeuroImage, 2010, 49, 2662-2670.	4.2	113
31	Converting positive and negative symptom scores between PANSS and SAPS/SANS. Schizophrenia Research, 2014, 152, 289-294.	2.0	111
32	Social stimuli interfere with cognitive control in autism. NeuroImage, 2007, 35, 1219-1230.	4.2	109
33	Sensory subtypes in children with autism spectrum disorder: latent profile transition analysis using a national survey of sensory features. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2014, 55, 935-944.	5.2	108
34	Costs and benefits of integrating information between the cerebral hemispheres: A computational perspective.. Neuropsychology, 1998, 12, 380-398.	1.3	105
35	Visual Hallucinations Are Associated With Hyperconnectivity Between the Amygdala and Visual Cortex in People With a Diagnosis of Schizophrenia. Schizophrenia Bulletin, 2015, 41, 223-232.	4.3	104
36	Auditory P300 in high-risk, recent-onset and chronic schizophrenia. Schizophrenia Research, 2005, 77, 309-320.	2.0	101

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37	Tuning in to the Voices: A Multisite fMRI Study of Auditory Hallucinations. Schizophrenia Bulletin, 2009, 35, 58-66.	4.3	100
38	Impaired P3 Generation Reflects High-Level and Progressive NeurocognitiveDysfunction in Schizophrenia. Archives of General Psychiatry, 2004, 61, 237.	12.3	92
39	Social skill and social cognition in adolescents at genetic risk for psychosis. Schizophrenia Research, 2010, 122, 179-184.	2.0	86
40	Application of Electroencephalography to the Study of Cognitive and Brain Functions in Schizophrenia. Schizophrenia Bulletin, 2007, 33, 955-970.	4.3	82
41	Reliability of neuroanatomical measurements in a multisite longitudinal study of youth at risk for psychosis. Human Brain Mapping, 2014, 35, 2424-2434.	3.6	76
42	Salienceâ€“Default Mode Functional Network Connectivity Linked to Positive and Negative Symptoms of Schizophrenia. Schizophrenia Bulletin, 2019, 45, 892-901.	4.3	71
43	Altered age-related trajectories of amygdala-prefrontal circuitry in adolescents at clinical high risk for psychosis: A preliminary study. Schizophrenia Research, 2012, 134, 1-9.	2.0	70
44	Relating Intrinsic Low-Frequency BOLD Cortical Oscillations to Cognition in Schizophrenia. Neuropsychopharmacology, 2015, 40, 2705-2714.	5.4	68
45	Attenuated Auditory Event-Related Potentials and Associations with Atypical Sensory Response Patterns in Children with Autism. Journal of Autism and Developmental Disorders, 2015, 45, 506-523.	2.7	66
46	Schizophrenia miR-137 Locus Risk Genotype Is Associated with Dorsolateral Prefrontal Cortex Hyperactivation. Biological Psychiatry, 2014, 75, 398-405.	1.3	65
47	Multimodal Fusion With Reference: Searching for Joint Neuromarkers of Working Memory Deficits in Schizophrenia. IEEE Transactions on Medical Imaging, 2018, 37, 93-105.	8.9	65
48	Visuospatial executive function in Turner syndrome: functional MRI and neurocognitive findings. Brain, 2006, 129, 1125-1136.	7.6	64
49	Impaired Modulation of Attention and Emotion in Schizophrenia. Schizophrenia Bulletin, 2010, 36, 595-606.	4.3	63
50	Attention deficits in schizophrenia â€" Preliminary evidence of dissociable transient and sustained deficits. Schizophrenia Research, 2010, 122, 104-112.	2.0	63
51	Reliability of an fMRI paradigm for emotional processing in a multisite longitudinal study. Human Brain Mapping, 2015, 36, 2558-2579.	3.6	63
52	Genetic correlations and genome-wide associations of cortical structure in general population samples of 22,824 adults. Nature Communications, 2020, 11, 4796.	12.8	61
53	Therapeutic Implications of the Hyperglutamatergic Effects of NMDA Antagonists. Neuropsychopharmacology, 1999, 21, S143-S157.	5.4	59
54	Association Between P300 Responses to Auditory Oddball Stimuli and Clinical Outcomes in the Psychosis Risk Syndrome. JAMA Psychiatry, 2019, 76, 1187.	11.0	59

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55	Dissociation of neural systems mediating shifts in behavioral response and cognitive set. NeuroImage, 2005, 25, 600-606.	4.2	57
56	fMRI reveals that involuntary visual deviance processing is resource limited. NeuroImage, 2007, 34, 1245-1252.	4.2	55
57	Toward Leveraging Human Connectomic Data in Large Consortia: Generalizability of fMRI-Based Brain Graphs Across Sites, Sessions, and Paradigms. Cerebral Cortex, 2019, 29, 1263-1279.	2.9	55
58	Functional magnetic resonance imaging measure of automatic and controlled auditory processing. NeuroReport, 2005, 16, 457-461.	1.2	53
59	Graded Visual Attention Modulates Brain Responses Evoked by Task-irrelevant Auditory Pitch Changes. Journal of Cognitive Neuroscience, 2005, 17, 1819-1828.	2.3	53
60	Potentiation of Low Dose Ketamine Effects by Naltrexone: Potential Implications for the Pharmacotherapy of Alcoholism. Neuropsychopharmacology, 2006, 31, 1793-1800.	5.4	48
61	Reliability of functional magnetic resonance imaging activation during working memory in a multi-site study: Analysis from the North American Prodrome Longitudinal Study. NeuroImage, 2014, 97, 41-52.	4.2	48
62	Neuropsychological profile in adult schizophrenia measured with the CMINDS. Psychiatry Research, 2015, 230, 826-834.	3.3	45
63	Eye Tracking Reveals Impaired Attentional Disengagement Associated with Sensory Response Patterns in Children with Autism. Journal of Autism and Developmental Disorders, 2016, 46, 1319-1333.	2.7	43
64	A multi-scanner study of subcortical brain volume abnormalities in schizophrenia. Psychiatry Research - Neuroimaging, 2014, 222, 10-16.	1.8	39
65	Neural Correlates of Schizophrenia Negative Symptoms: Distinct Subtypes Impact Dissociable Brain Circuits. Molecular Neuropsychiatry, 2015, 1, 191-200.	2.9	39
66	Modality-Dependent Impact of Hallucinations on Low-Frequency Fluctuations in Schizophrenia. Schizophrenia Bulletin, 2017, 43, sbw093.	4.3	37
67	In Search of Psychosis Biomarkers in High-risk Populations: Is the Mismatch Negativity the One We've Been Waiting for?. Biological Psychiatry, 2012, 71, 94-95.	1.3	36
68	Progressive reconfiguration of resting-state brain networks as psychosis develops: Preliminary results from the North American Prodrome Longitudinal Study (NAPLS) consortium. Schizophrenia Research, 2020, 226, 30-37.	2.0	36
69	Visual task complexity modulates the brain??s response to unattended auditory novelty. NeuroReport, 2005, 16, 1031-1036.	1.2	33
70	Absence of behavioral sensitization in healthy human subjects following repeated exposure to ketamine. Psychopharmacology, 2005, 179, 136-143.	3.1	33
71	Hemodynamic correlates of stimulus repetition in the visual and auditory cortices: an fMRI study. NeuroImage, 2004, 21, 886-893.	4.2	32
72	The Neural Circuitry of Autism. Neurotoxicity Research, 2011, 20, 201-214.	2.7	32

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73	The influence of emotional distraction on verbal working memory: An fMRI investigation comparing individuals with schizophrenia and healthy adults. Journal of Psychiatric Research, 2011, 45, 1184-1193.	3.1	31
74	Macroscopic fast neuronal oscillations and synchrony in schizophrenia. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 17567-17568.	7.1	30
75	Brain abnormalities in children and adolescents with chronic kidney disease. Pediatric Research, 2018, 84, 387-392.	2.3	30
76	Disrupted network cross talk, hippocampal dysfunction and hallucinations in schizophrenia. Schizophrenia Research, 2018, 199, 226-234.	2.0	29
77	Relations Among Intelligence, Executive Function, and P300 Event Related Potentials in Schizophrenia. Journal of Nervous and Mental Disease, 2006, 194, 179-187.	1.0	25
78	Atypical modulation of cognitive control by arousal in autism. Psychiatry Research - Neuroimaging, 2008, 164, 185-197.	1.8	25
79	Altered frontoâ€“limbic activity in children and adolescents with familial high risk for schizophrenia. Psychiatry Research - Neuroimaging, 2013, 212, 19-27.	1.8	25
80	Reward Processing in Novelty Seekers: A Transdiagnostic Psychiatric Imaging Biomarker. Biological Psychiatry, 2021, 90, 529-539.	1.3	25
81	Interhemispheric Processing in Left- and Right-Handers. International Journal of Neuroscience, 1990, 54, 197-208.	1.6	24
82	Mapping social target detection with functional magnetic resonance imaging. Social Cognitive and Affective Neuroscience, 2009, 4, 59-69.	3.0	24
83	A framework for linking resting-state chronnectome/genome features in schizophrenia: A pilot study. NeuroImage, 2019, 184, 843-854.	4.2	24
84	Neural mechanisms of acute stress and trait anxiety in adolescents. NeuroImage: Clinical, 2021, 29, 102543.	2.7	24
85	Parallel group ICA+ICA: Joint estimation of linked functional network variability and structural covariation with application to schizophrenia. Human Brain Mapping, 2019, 40, 3795-3809.	3.6	23
86	Weighted average of shared trajectory: A new estimator for dynamic functional connectivity efficiently estimates both rapid and slow changes over time. Journal of Neuroscience Methods, 2020, 334, 108600.	2.5	22
87	Brain-Performance Correlates of Working Memory Retrieval in Schizophrenia: A Cognitive Modeling Approach. Schizophrenia Bulletin, 2009, 35, 32-46.	4.3	21
88	Mismatch Negativity in Response to Auditory Deviance and Risk for Future Psychosis in Youth at Clinical High Risk for Psychosis. JAMA Psychiatry, 2022, 79, 780.	11.0	21
89	Dentate gyrus volume deficit in schizophrenia. Psychological Medicine, 2020, 50, 1267-1277.	4.5	20
90	Hershey Medical Center Technical Workshop Report: Optimizing the design and interpretation of epidemiologic studies for assessing neurodevelopmental effects from in utero chemical exposure. NeuroToxicology, 2006, 27, 861-874.	3.0	19

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91	Differences in subcortical structures in young adolescents at familial risk for schizophrenia: A preliminary study. Psychiatry Research - Neuroimaging, 2012, 204, 68-74.	1.8	19
92	Polygenic risk score, genome-wide association, and gene set analyses of cognitive domain deficits in schizophrenia. Schizophrenia Research, 2018, 201, 393-399.	2.0	19
93	Investigating developmental changes in sensory processing: visual mismatch response in healthy children. Frontiers in Human Neuroscience, 2013, 7, 922.	2.0	18
94	Impaired Neural Synchrony in the Theta Frequency Range in Adolescents at Familial Risk for Schizophrenia. Frontiers in Psychiatry, 2011, 2, 51.	2.6	17
95	Modulation of early and late event-related potentials by emotion. Frontiers in Integrative Neuroscience, 2012, 6, 102.	2.1	15
96	Deficits in auditory predictive coding in individuals with the psychosis risk syndrome: Prediction of conversion to psychosis.. Journal of Abnormal Psychology, 2020, 129, 599-611.	1.9	15
97	Altered Brain Activation During Memory Retrieval Precedes and Predicts Conversion to Psychosis in Individuals at Clinical High Risk. Schizophrenia Bulletin, 2019, 45, 924-933.	4.3	14
98	Reduced delta power and synchrony and increased gamma power during the P3 time window in schizophrenia. Schizophrenia Research, 2013, 150, 266-268.	2.0	13
99	Prenatal Nicotine Exposure Disrupts Infant Neural Markers of Orienting. Nicotine and Tobacco Research, 2018, 20, 897-902.	2.6	13
100	Aberrant parasympathetic reactivity to acute psychosocial stress in male patients with schizophrenia spectrum disorders. Psychiatry Research, 2018, 265, 39-47.	3.3	11
101	Auditory event-related potentials and associations with sensory patterns in children with autism spectrum disorder, developmental delay, and typical development. Autism, 2020, 24, 1093-1110.	4.1	11
102	Electrophysiological Correlates of Aberrant Motivated Attention and Salience Processing in Unaffected Relatives of Schizophrenia Patients. Clinical EEG and Neuroscience, 2016, 47, 11-23.	1.7	10
103	Stability of mismatch negativity eventâ€related potentials in a multisite study. International Journal of Methods in Psychiatric Research, 2020, 29, e1819.	2.1	10
104	Abnormally Large Baseline P300 Amplitude Is Associated With Conversion to Psychosis in Clinical High Risk Individuals With a History of Autism: A Pilot Study. Frontiers in Psychiatry, 2021, 12, 591127.	2.6	10
105	A new multimodality fusion classification approach to explore the uniqueness of schizophrenia and autism spectrum disorder. Human Brain Mapping, 2022, 43, 3887-3903.	3.6	10
106	Meta-Modal Information Flow: A Method for Capturing Multimodal Modular Disconnectivity in Schizophrenia. IEEE Transactions on Biomedical Engineering, 2020, 67, 2572-2584.	4.2	9
107	Neural Correlates of Automatic and Controlled Auditory Processing in Schizophrenia. Journal of Neuropsychiatry and Clinical Neurosciences, 2008, 20, 419-430.	1.8	8
108	Cross-paradigm connectivity: reliability, stability, and utility. Brain Imaging and Behavior, 2021, 15, 614-629.	2.1	7

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109	Multi-model Order ICA: A Data-driven Method for Evaluating Brain Functional Network Connectivity Within and Between Multiple Spatial Scales. Brain Connectivity, 2021, , .	1.7	7
110	Functional Magnetic Resonance Imaging Findings in Children and Adolescents With Chronic Kidney Disease: Preliminary Findings. Seminars in Nephrology, 2021, 41, 462-475.	1.6	7
111	Inter- versus intrahemispheric concordance of judgments in a nonexplicit memory task. Brain and Cognition, 1991, 15, 131-137.	1.8	6
112	Attentional modulation of early-stage visual processing in schizophrenia. Brain Research, 2006, 1125, 194-198.	2.2	6
113	Neural Mechanisms of Qigong Sensory Training Massage for Children With Autism Spectrum Disorder: A Feasibility Study. Global Advances in Health and Medicine, 2018, 7, 216495611876900.	1.6	6
114	Altered Domain Functional Network Connectivity Strength and Randomness in Schizophrenia. Frontiers in Psychiatry, 2019, 10, 499.	2.6	6
115	Reliability of mismatch negativity event-related potentials in a multisite, traveling subjects study. Clinical Neurophysiology, 2020, 131, 2899-2909.	1.5	6
116	Covarying structural alterations in laterality of the temporal lobe in schizophrenia: A case for sourceâ€based laterality. NMR in Biomedicine, 2020, 33, e4294.	2.8	6
117	Quality Assurance in Functional MRI. Biological Magnetic Resonance, 2015, , 245-270.	0.4	6
118	Stress-related hippocampus activation mediates the association between polyvictimization and trait anxiety in adolescents. Social Cognitive and Affective Neuroscience, 2022, 17, 767-776.	3.0	6
119	ENIGMAâ€‰+â€‰COINSTAC: Improving Findability, Accessibility, Interoperability, and Re-usability. Neuroinformatics, 2022, 20, 261-275.	2.8	5
120	Coordination of autonomic and endocrine stress responses to the Trier Social Stress Test in adolescence. Psychophysiology, 2022, 59, e14056.	2.4	5
121	Visual cortical plasticity and the risk for psychosis: An interim analysis of the North American Prodrome Longitudinal Study. Schizophrenia Research, 2021, 230, 26-37.	2.0	4
122	Dissociation of mnemonic and perceptual processes during spatial and nonspatial working memory using fMRI. Human Brain Mapping, 1998, 6, 14-32.	3.6	4
123	A positive take on schizophrenia negative symptom scales: Converting scores between the SANS, NSA and SDS. Schizophrenia Research, 2018, 201, 113-119.	2.0	3
124	Acute stress modifies oscillatory indices of affective processing: Insight on the pathophysiology of schizophrenia spectrum disorders. Clinical Neurophysiology, 2019, 130, 214-223.	1.5	3
125	Time-varying Graphs: A Method to Identify Abnormal Integration and Disconnection in Functional Brain Connectivity with Application to Schizophrenia. , 2020, , .		3
126	Episodic memory impairment in children and adolescents at risk for schizophrenia: A role for context processing. Schizophrenia Research: Cognition, 2022, 28, 100241.	1.3	3

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127	Brain Density Clustering Analysis: A New Approach to Brain Functional Dynamics. Frontiers in Neuroscience, 2021, 15, 621716.	2.8	2
128	Event related potentials indexing the influence of emotion on cognitive processing in veterans with comorbid post-traumatic stress disorder and traumatic brain injury. Clinical Neurophysiology, 2021, 132, 1389-1397.	1.5	2
129	Triple Network Functional Connectivity During Acute Stress in Adolescents and the Influence of Polyvictimization. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2022, 7, 867-875.	1.5	2
130	Measurement of Fronto-limbic Activity Using an Emotional Oddball Task in Children with Familial High Risk for Schizophrenia. Journal of Visualized Experiments, 2015, , .	0.3	1
131	A method for building a genome-connectome bipartite graph model. Journal of Neuroscience Methods, 2019, 320, 64-71.	2.5	1
132	Chapter 20 The Neural Circuitry of Autism. , 2013, , 211-226.		0
133	Imaging the Neural Correlates of Behavioral and Cognitive Shifts in Autism. , 2014, , 963-985.		0