Jason R Tregellas

List of Publications by Year
in descending order

94 papers	4,214 citations	109321 35 h-index	118850 62 g-index
95 all docs	95 docs citations	95 times ranked	6441 citing authors

#	Article	IF	Citations
1	The role of the insula in schizophrenia. Schizophrenia Research, 2010, 123, 93-104.	2.0	296
2	Anorexia Nervosa and Obesity are Associated with Opposite Brain Reward Response. Neuropsychopharmacology, 2012, 37, 2031-2046.	5.4	269
3	Effects of Nicotine on Cognitive Deficits in Schizophrenia. Neuropsychopharmacology, 2004, 29, 1378-1385.	5.4	228
4	Medial Orbitofrontal Cortex Gray Matter Is Reduced in Abstinent Substance-Dependent Individuals. Biological Psychiatry, 2009, 65, 160-164.	1.3	210
5	Sex-based differences in the behavioral and neuronal responses to food. Physiology and Behavior, 2010, 99, 538-543.	2.1	161
6	Effects of overfeeding on the neuronal response to visual food cues. American Journal of Clinical Nutrition, 2007, 86, 965-971.	4.7	138
7	Increased hemodynamic response in the hippocampus, thalamus and prefrontal cortex during abnormal sensory gating in schizophrenia. Schizophrenia Research, 2007, 92, 262-272.	2.0	130
8	The Effects of Overfeeding on the Neuronal Response to Visual Food Cues in Thin and Reduced-Obese Individuals. PLoS ONE, 2009, 4, e6310.	2.5	129
9	Intrinsic Hippocampal Activity as a Biomarker for Cognition and Symptoms in Schizophrenia. American Journal of Psychiatry, 2014, 171, 549-556.	7.2	127
10	Comparison of Detrending Methods for Optimal fMRI Preprocessing. NeuroImage, 2002, 15, 902-907.	4.2	119
11	Effects of an Alpha 7-Nicotinic Agonist on Default Network Activity in Schizophrenia. Biological Psychiatry, 2011, 69, 7-11.	1.3	116
12	The effects of exercise on the neuronal response to food cues. Physiology and Behavior, 2012, 105, 1028-1034.	2.1	116
13	Nicotine effects on default mode network during resting state. Psychopharmacology, 2011, 216, 287-295.	3.1	103
14	Effect of task difficulty on the functional anatomy of temporal processing. NeuroImage, 2006, 32, 307-315.	4.2	97
15	Neurobiology of Smooth Pursuit Eye Movement Deficits in Schizophrenia: An fMRI Study. American Journal of Psychiatry, 2004, 161, 315-321.	7.2	91
16	Reduced salience and default mode network activity in women with anorexia nervosa. Journal of Psychiatry and Neuroscience, 2014, 39, 178-188.	2.4	87
17	Levodopa modulates smallâ€world architecture of functional brain networks in Parkinson's disease. Movement Disorders, 2016, 31, 1676-1684.	3.9	81
18	Altered fimbria-fornix white matter integrity in anorexia nervosa predicts harm avoidance. Psychiatry Research - Neuroimaging, 2011, 192, 109-116.	1.8	79

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19	Effects of exercise on resting-state default mode and salience network activity in overweight/obese adults. NeuroReport, 2013, 24, 866-871.	1.2	73
20	Brain Activation during Smooth-Pursuit Eye Movements. NeuroImage, 2002, 17, 1315-1324.	4.2	69
21	Increased Hippocampal, Thalamic, and Prefrontal Hemodynamic Response to an Urban Noise Stimulus in Schizophrenia. American Journal of Psychiatry, 2009, 166, 354-360.	7.2	64
22	Resting-state activity in the left executive control network is associated with behavioral approach and is increased in substance dependence. Drug and Alcohol Dependence, 2013, 129, 1-7.	3.2	60
23	Alpha7 Nicotinic Receptors as Therapeutic Targets in Schizophrenia. Nicotine and Tobacco Research, 2019, 21, 349-356.	2.6	59
24	Functional magnetic resonance imaging of intrinsic brain networks for translational drug discovery. Trends in Pharmacological Sciences, 2014, 35, 397-403.	8.7	57
25	Gray matter volume differences and the effects of smoking on gray matter in schizophrenia. Schizophrenia Research, 2007, 97, 242-249.	2.0	55
26	fMRI of Response to Nicotine During a Smooth Pursuit Eye Movement Task in Schizophrenia. American Journal of Psychiatry, 2005, 162, 391-393.	7.2	54
27	Early sensory processing deficits predict sensitivity to distraction in schizophrenia. Schizophrenia Research, 2013, 147, 196-200.	2.0	52
28	Effects of Nicotine on Hippocampal and Cingulate Activity During Smooth Pursuit Eye Movement in Schizophrenia. Biological Psychiatry, 2006, 59, 754-761.	1.3	51
29	Brain structure predicts risk for obesity. Appetite, 2012, 59, 859-865.	3.7	51
30	Default mode network activity in male adolescents with conduct and substance use disorder. Drug and Alcohol Dependence, 2014, 134, 242-250.	3.2	51
31	Functional Magnetic Resonance Imaging of Effects of a Nicotinic Agonist in Schizophrenia. Neuropsychopharmacology, 2010, 35, 938-942.	5.4	50
32	Neuroimaging Biomarkers for Early Drug Development in Schizophrenia. Biological Psychiatry, 2014, 76, 111-119.	1.3	48
33	Nicotine increases brain functional network efficiency. NeuroImage, 2012, 63, 73-80.	4.2	41
34	Attentional integration between anatomically distinct stimulus representations in early visual cortex. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 14925-14930.	7.1	36
35	The role of alpha-7 nicotinic receptors in food intake behaviors. Frontiers in Psychology, 2014, 5, 553.	2.1	35
36	A voxel-based morphometry comparison of regional gray matter between fragile X syndrome and autism. Psychiatry Research - Neuroimaging, 2009, 174, 138-145.	1.8	34

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37	A voxel-based morphometry study of gray matter in parents of children with autism. NeuroReport, 2006, 17, 1289-1292.	1.2	31
38	Temporal processing in schizophrenia: Effects of task-difficulty on behavioral discrimination and neuronal responses. Schizophrenia Research, 2011, 127, 123-130.	2.0	29
39	Monitoring eye movements during fMRI tasks with echo planar images. Human Brain Mapping, 2002, 17, 237-243.	3.6	27
40	Implicit phonological priming during visual word recognition. NeuroImage, 2011, 55, 724-731.	4.2	27
41	Eating-related behaviors and appetite during energy imbalance in obese-prone and obese-resistant individuals. Appetite, 2013, 65, 96-102.	3.7	27
42	Phonological processing in firstâ€degree relatives of individuals with autism: An fMRI study. Human Brain Mapping, 2013, 34, 1447-1463.	3.6	25
43	Reduced brain resting-state network specificity in infants compared with adults. Neuropsychiatric Disease and Treatment, 2014, 10, 1349.	2.2	21
44	Neuronal effects of nicotine during auditory selective attention. Psychopharmacology, 2015, 232, 2017-2028.	3.1	19
45	Exercise-related changes in between-network connectivity in overweight/obese adults. Physiology and Behavior, 2016, 158, 60-67.	2.1	19
46	Connecting Brain Structure and Function in Schizophrenia. American Journal of Psychiatry, 2009, 166, 134-136.	7.2	18
47	The effect of distracting noise on the neuronal mechanisms of attention in schizophrenia. Schizophrenia Research, 2012, 142, 230-236.	2.0	18
48	Neuronal effects of auditory distraction on visual attention. Brain and Cognition, 2013, 81, 263-270.	1.8	18
49	The effects of energy balance, obesity-proneness and sex on the neuronal response to sweet taste. Behavioural Brain Research, 2015, 278, 446-452.	2.2	18
50	Greater Rewardâ€Related Neuronal Response to Hedonic Foods in Women Compared with Men. Obesity, 2018, 26, 362-367.	3.0	18
51	The epileptic network and cognition: What functional connectivity is teaching us about the childhood epilepsies. Epilepsia, 2019, 60, 1491-1507.	5.1	18
52	Could Vagus Nerve Stimulation Target Hippocampal Hyperactivity to Improve Cognition in Schizophrenia?. Frontiers in Psychiatry, 2015, 6, 43.	2.6	17
53	Targeting neuronal dysfunction in schizophrenia with nicotine: Evidence from neurophysiology to neuroimaging. Journal of Psychopharmacology, 2017, 31, 801-811.	4.0	17
54	The insula in nicotine use disorder: Functional neuroimaging and implications for neuromodulation. Neuroscience and Biobehavioral Reviews, 2019, 103, 414-424.	6.1	17

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55	Harnessing the power of disgust: a randomized trial to reduce high-calorie food appeal through implicit priming. American Journal of Clinical Nutrition, 2015, 102, 249-255.	4.7	16
56	Evidence for gamma and beta sensory gating deficits as translational endophenotypes for schizophrenia. Psychiatry Research - Neuroimaging, 2013, 214, 169-174.	1.8	15
57	Propensity to Obesity Impacts the Neuronal Response to Energy Imbalance. Frontiers in Behavioral Neuroscience, 2015, 9, 52.	2.0	15
58	Between-network connectivity occurs in brain regions lacking layer IV input. NeuroImage, 2015, 116, 50-58.	4.2	15
59	Comparison of surgical versus dietâ€induced weight loss on appetite regulation and metabolic health outcomes. Physiological Reports, 2019, 7, e14048.	1.7	15
60	Top-Down Network Effective Connectivity in Abstinent Substance Dependent Individuals. PLoS ONE, 2016, 11, e0164818.	2.5	14
61	Neuronal effects of nicotine during auditory selective attention in schizophrenia. Human Brain Mapping, 2016, 37, 410-421.	3.6	13
62	Reproducibility assessment of brain responses to visual food stimuli in adults with overweight and obesity. Obesity, 2016, 24, 2057-2063.	3.0	13
63	Differences in global and local level information processing in autism: An fMRI investigation. Psychiatry Research - Neuroimaging, 2013, 213, 115-121.	1.8	12
64	Nicotinic modulation of intrinsic brain networks in schizophrenia. Biochemical Pharmacology, 2013, 86, 1163-1172.	4.4	12
65	Neural Effects of Auditory Distraction on Visual Attention in Schizophrenia. PLoS ONE, 2013, 8, e60606.	2.5	12
66	Enhancing the Detection of BOLD Signal in fMRI by Reducing the Partial Volume Effect. Computational and Mathematical Methods in Medicine, 2014, 2014, 1-9.	1.3	12
67	Exposure to maternal diabetes in utero and offspring eating behavior: The EPOCH study. Appetite, 2017, 116, 610-615.	3.7	12
68	Cerebellar hyperactivity during smooth pursuit eye movements in bipolar disorder. Journal of Psychiatric Research, 2011, 45, 670-677.	3.1	11
69	Nicotinic modulation of salience network connectivity and centrality in schizophrenia. Journal of Psychiatric Research, 2017, 89, 85-96.	3.1	11
70	Predicting academic career outcomes by predoctoral publication record. PeerJ, 2018, 6, e5707.	2.0	11
71	Effects of a ketogenic diet on auditory gating in DBA/2 mice: A proof-of-concept study. Schizophrenia Research, 2015, 169, 351-354.	2.0	10
72	Childhood Metabolic Biomarkers Are Associated with Performance on Cognitive Tasks in Young Children. Journal of Pediatrics, 2019, 211, 92-97.	1.8	10

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73	Targeting Functional Biomarkers in Schizophrenia with Neuroimaging. Current Pharmaceutical Design, 2016, 22, 2117-2123.	1.9	10
74	Nicotine restores functional connectivity of the ventral attention network in schizophrenia. Neuropharmacology, 2016, 108, 144-151.	4.1	9
75	Nicotine Increases Cerebellar Activity during Finger Tapping. PLoS ONE, 2013, 8, e84581.	2.5	8
76	Greater neuronal responses during automatic semantic processing in schizophrenia. NeuroReport, 2013, 24, 212-216.	1.2	7
77	The antiepileptic drug levetiracetam improves auditory gating in DBA/2 mice. NPJ Schizophrenia, 2015, 1, .	3.6	7
78	Altered between-network connectivity in individuals prone to obesity. Physiology and Behavior, 2021, 229, 113242.	2.1	7
79	Acute administration of Î”9 tetrahydrocannabinol does not prevent enhancement of sensory gating by clozapine in DBA/2 mice. Pharmacology Biochemistry and Behavior, 2014, 118, 22-29.	2.9	6
80	Kernel machine tests of association between brain networks and phenotypes. PLoS ONE, 2019, 14, e0199340.	2.5	5
81	Association of Working Memory With Distributed Executive Control Networks in Schizophrenia. Journal of Neuropsychiatry and Clinical Neurosciences, 2019, 31, 368-377.	1.8	4
82	Autism Spectrum Disorder Symptoms are Associated with Connectivity Between Large-Scale Neural Networks and Brain Regions Involved in Social Processing. Journal of Autism and Developmental Disorders, 2020, 50, 2765-2778.	2.7	4
83	Stimulus-dependent effects on right ear advantage in schizophrenia. Neuropsychiatric Disease and Treatment, 2012, 8, 423.	2.2	3
84	In Utero Exposure to Maternal Overweight or Obesity is Associated with Altered Offspring Brain Function in Middle Childhood. Obesity, 2020, 28, 1718-1725.	3.0	3
85	Spikeâ€associated networks and intracranial electrographic findings. Epileptic Disorders, 2020, 22, 291-299.	1.3	3
86	Hemodynamic responses are abnormal in isolated cervical dystonia. Journal of Neuroscience Research, 2020, 98, 692-703.	2.9	2
87	Effects of Exercise during Weight Loss Maintenance on Appetite Regulation in Women. Translational Journal of the American College of Sports Medicine, 2020, 5, .	0.6	2
88	Stable Meta-Networks, Noise, and Artifacts in the Human Connectome: Low- to High-Dimensional Independent Components Analysis as a Hierarchy of Intrinsic Connectivity Networks. Frontiers in Neuroscience, 2021, 15, 625737.	2.8	2
89	An implicit priming intervention alters brain and behavioral responses to high-calorie foods: a randomized controlled study. American Journal of Clinical Nutrition, 2022, , .	4.7	2
90	Functional imaging of hippocampal dysfunction among persons with Alzheimer’s disease: a proof-of-concept study. Neuropsychiatric Disease and Treatment, 2010, 6, 779.	2.2	0

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91	Rapid Early Brain Development Highlights a Critical Period and Possible Intervention Window. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2020, 5, 937-938.	1.5	0
92	Effects of dietary protein and fiber at breakfast on postprandial appetite, neural responses to visual food stimuli, and ad libitum energy intake at lunch in overweight adults. FASEB Journal, 2016, 30, 418.7.	0.5	0
93	Testâ€retest reliability and postprandial time course of the neural responses to visual food stimuli. FASEB Journal, 2016, 30, 1161.4.	0.5	0
94	MON-099 Age-Related Differences in Appetite Regulation among Adults with Obesity: More Than Just Hunger and PYY and Ghrelin? Oh My!. Journal of the Endocrine Society, 2019, 3, .	0.2	0