

# Thomas J. Ross

## List of Publications by Year in descending order

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83  
papers

8,664  
citations

109321

35  
h-index

64796

79  
g-index

86  
all docs

86  
docs citations

86  
times ranked

9050  
citing authors

#	ARTICLE	IF	CITATIONS
1	Not all smokers are alike: the hidden cost of sustained attention during nicotine abstinence. <i>Neuropsychopharmacology</i> , 2022, 47, 1633-1642.	5.4	0
2	Time-Varying Functional Connectivity Decreases as a Function of Acute Nicotine Abstinence. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021, 6, 459-469.	1.5	3
3	Schizophrenia Patients Show Largely Similar Salience Signaling Compared to Healthy Controls in an Observational Task Environment. <i>Brain Sciences</i> , 2021, 11, 1610.	2.3	0
4	Short-term nicotine deprivation alters dorsal anterior cingulate glutamate concentration and concomitant cingulate-cortical functional connectivity. <i>Neuropsychopharmacology</i> , 2020, 45, 1920-1930.	5.4	12
5	Nicotine dependence (trait) and acute nicotinic stimulation (state) modulate attention but not inhibitory control: converging fMRI evidence from Go/NoGo and Flanker tasks. <i>Neuropsychopharmacology</i> , 2020, 45, 857-865.	5.4	14
6	Transcranial Direct Current Stimulation Applied to the Dorsolateral and Ventromedial Prefrontal Cortices in Smokers Modifies Cognitive Circuits Implicated in the Nicotine Withdrawal Syndrome. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2020, 5, 448-460.	1.5	8
7	Habenular and striatal activity during performance feedback are differentially linked with state-like and trait-like aspects of tobacco use disorder. <i>Science Advances</i> , 2019, 5, eaax2084.	10.3	16
8	Triple Network Resting State Connectivity Predicts Distress Tolerance and Is Associated with Cocaine Use. <i>Journal of Clinical Medicine</i> , 2019, 8, 2135.	2.4	17
9	Evidence of subgroups in smokers as revealed in clinical measures and evaluated by neuroimaging data: a preliminary study. <i>Addiction Biology</i> , 2019, 24, 777-786.	2.6	7
10	Report of transient events in a cocaine-dependent volunteer who received iTBS. <i>Brain Stimulation</i> , 2018, 11, 631-633.	1.6	3
11	Nicotine Abstinence Influences the Calculation of Salience in Discrete Insular Circuits. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2018, 3, 150-159.	1.5	41
12	Long-term effects of prenatal drug exposure on the neural correlates of memory at encoding and retrieval. <i>Neurotoxicology and Teratology</i> , 2018, 65, 70-77.	2.4	6
13	Striatal activity correlates with stimulant-like effects of alcohol in healthy volunteers. <i>Neuropsychopharmacology</i> , 2018, 43, 2532-2538.	5.4	22
14	Distress tolerance among substance users is associated with functional connectivity between prefrontal regions during a distress tolerance task. <i>Addiction Biology</i> , 2017, 22, 1378-1390.	2.6	30
15	Load-dependent hyperdeactivation of the default mode network in people with schizophrenia. <i>Schizophrenia Research</i> , 2017, 185, 190-196.	2.0	19
16	Neural Signatures of Cognitive Flexibility and Reward Sensitivity Following Nicotinic Receptor Stimulation in Dependent Smokers. <i>JAMA Psychiatry</i> , 2017, 74, 632.	11.0	38
17	Graph theory reveals amygdala modules consistent with its anatomical subdivisions. <i>Scientific Reports</i> , 2017, 7, 14392.	3.3	16
18	Dissociable Effects of Cocaine Dependence on Reward Processes: The Role of Acute Cocaine and Craving. <i>Neuropsychopharmacology</i> , 2017, 42, 736-747.	5.4	8

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19	Physiological characterization of a robust survival rodent fMRI method. <i>Magnetic Resonance Imaging</i> , 2017, 35, 54-60.	1.8	46
20	Combining Multiple Resting-State fMRI Features during Classification: Optimized Frameworks and Their Application to Nicotine Addiction. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 362.	2.0	24
21	Functional Connectivity Hubs and Networks in the Awake Marmoset Brain. <i>Frontiers in Integrative Neuroscience</i> , 2016, 10, 9.	2.1	22
22	A novel method to induce nicotine dependence by intermittent drug delivery using osmotic minipumps. <i>Pharmacology Biochemistry and Behavior</i> , 2016, 142, 79-84.	2.9	13
23	Insula Demonstrates a Non-Linear Response to Varying Demand for Cognitive Control and Weaker Resting Connectivity With the Executive Control Network in Smokers. <i>Neuropsychopharmacology</i> , 2016, 41, 2557-2565.	5.4	39
24	Hyperdeactivation of the Default Mode Network in People With Schizophrenia When Focusing Attention in Space. <i>Schizophrenia Bulletin</i> , 2016, 42, 1158-1166.	4.3	15
25	Multivariate classification of smokers and nonsmokers using SVM+RFE on structural MRI images. <i>Human Brain Mapping</i> , 2015, 36, 4869-4879.	3.6	44
26	Probing the Dynamic Updating of Value in Schizophrenia Using a Sensory-Specific Satiety Paradigm. <i>Schizophrenia Bulletin</i> , 2015, 41, 1115-1122.	4.3	12
27	Greater externalizing personality traits predict less error-related insula and anterior cingulate cortex activity in acutely abstinent cigarette smokers. <i>Addiction Biology</i> , 2015, 20, 377-389.	2.6	24
28	Reward Anticipation Is Differentially Modulated by Varenicline and Nicotine in Smokers. <i>Neuropsychopharmacology</i> , 2015, 40, 2038-2046.	5.4	32
29	Prenatal drug exposure to illicit drugs alters working memory-related brain activity and underlying network properties in adolescence. <i>Neurotoxicology and Teratology</i> , 2015, 48, 69-77.	2.4	18
30	Machine learning classification of resting state functional connectivity predicts smoking status. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 425.	2.0	63
31	Temporal Difference Error Prediction Signal Dysregulation in Cocaine Dependence. <i>Neuropsychopharmacology</i> , 2014, 39, 1732-1742.	5.4	25
32	Abstinence from Cocaine and Sucrose Self-Administration Reveals Altered Mesocorticolimbic Circuit Connectivity by Resting State MRI. <i>Brain Connectivity</i> , 2014, 4, 499-510.	1.7	31
33	Gender differences in neural-behavioral response to self-observation during a novel fMRI social stress task. <i>Neuropsychologia</i> , 2014, 53, 257-263.	1.6	33
34	Intrinsic resting-state activity predicts working memory brain activation and behavioral performance. <i>Human Brain Mapping</i> , 2013, 34, 3204-3215.	3.6	186
35	Insula's functional connectivity with ventromedial prefrontal cortex mediates the impact of trait alexithymia on state tobacco craving. <i>Psychopharmacology</i> , 2013, 228, 143-155.	3.1	80
36	Prefrontal white matter impairment in substance users depends upon the catechol-o-methyl transferase (COMT) val158met polymorphism. <i>NeuroImage</i> , 2013, 69, 62-69.	4.2	23

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37	Acute Nicotine Differentially Impacts Anticipatory Valence- and Magnitude-Related Striatal Activity. <i>Biological Psychiatry</i> , 2013, 73, 280-288.	1.3	55
38	Down-Regulation of Amygdala and Insula Functional Circuits by Varenicline and Nicotine in Abstinent Cigarette Smokers. <i>Biological Psychiatry</i> , 2013, 74, 538-546.	1.3	120
39	Individual differences in amygdala reactivity following nicotinic receptor stimulation in abstinent smokers. <i>NeuroImage</i> , 2013, 66, 585-593.	4.2	23
40	A preliminary study suggests that nicotine and prefrontal dopamine affect cortico-striatal areas in smokers with performance feedback. <i>Genes, Brain and Behavior</i> , 2013, 12, 554-563.	2.2	7
41	The Roles of Reward, Default, and Executive Control Networks in Set-Shifting Impairments in Schizophrenia. <i>PLoS ONE</i> , 2013, 8, e57257.	2.5	109
42	Chronic Exposure to Nicotine Is Associated with Reduced Reward-Related Activity in the Striatum but not the Midbrain. <i>Biological Psychiatry</i> , 2012, 71, 206-213.	1.3	59
43	fMRI response in the medial prefrontal cortex predicts cocaine but not sucrose self-administration history. <i>NeuroImage</i> , 2012, 62, 1857-1866.	4.2	19
44	Anatomical differences and network characteristics underlying smoking cue reactivity. <i>NeuroImage</i> , 2011, 54, 131-141.	4.2	84
45	Factors underlying prefrontal and insula structural alterations in smokers. <i>NeuroImage</i> , 2011, 54, 42-48.	4.2	168
46	Diffeomorphic Image Registration of Diffusion MRI Using Spherical Harmonics. <i>IEEE Transactions on Medical Imaging</i> , 2011, 30, 747-758.	8.9	21
47	Unbiased Group-Wise Image Registration: Applications in Brain Fiber Tract Atlas Construction and Functional Connectivity Analysis. <i>Journal of Medical Systems</i> , 2011, 35, 921-928.	3.6	1
48	Chronic smoking, but not acute nicotine administration, modulates neural correlates of working memory. <i>Psychopharmacology</i> , 2011, 213, 29-42.	3.1	31
49	Single subject task-related BOLD signal artifact in a real-time fMRI feedback paradigm. <i>Human Brain Mapping</i> , 2011, 32, 592-600.	3.6	11
50	Nicotine Enhances but Does Not Normalize Visual Sustained Attention and the Associated Brain Network in Schizophrenia. <i>Schizophrenia Bulletin</i> , 2011, 37, 416-425.	4.3	57
51	Nicotine modulation of information processing is not limited to input (attention) but extends to output (intention). <i>Psychopharmacology</i> , 2010, 209, 291-302.	3.1	16
52	A new approach to estimating the signal dimension of concatenated resting-state functional MRI data sets. <i>Magnetic Resonance Imaging</i> , 2010, 28, 1344-1352.	1.8	5
53	A genetically modulated, intrinsic cingulate circuit supports human nicotine addiction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 13509-13514.	7.1	154
54	Abnormal Responses to Monetary Outcomes in Cortex, but not in the Basal Ganglia, in Schizophrenia. <i>Neuropsychopharmacology</i> , 2010, 35, 2427-2439.	5.4	137

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55	Mesocorticolimbic circuits are impaired in chronic cocaine users as demonstrated by resting-state functional connectivity. <i>NeuroImage</i> , 2010, 53, 593-601.	4.2	280
56	Magnetic Resonance Imaging of Pharmacological Systems. , 2010, , 91-104.		0
57	Group-Wise Diffeomorphic Diffusion Tensor Image Registration. <i>Lecture Notes in Computer Science</i> , 2010, 13, 598-606.	1.3	1
58	Performance Effects of Nicotine during Selective Attention, Divided Attention, and Simple Stimulus Detection: An fMRI Study. <i>Cerebral Cortex</i> , 2009, 19, 1990-2000.	2.9	79
59	Patients with Schizophrenia have a Reduced Neural Response to Both Unpredictable and Predictable Primary Reinforcers. <i>Neuropsychopharmacology</i> , 2009, 34, 1567-1577.	5.4	166
60	Association of Nicotine Addiction and Nicotine's Actions With Separate Cingulate Cortex Functional Circuits. <i>Archives of General Psychiatry</i> , 2009, 66, 431.	12.3	238
61	Lower glutamate levels in rostral anterior cingulate of chronic cocaine users – A 1H-MRS study using TE-averaged PRESS at 3ÅT with an optimized quantification strategy. <i>Psychiatry Research - Neuroimaging</i> , 2009, 174, 171-176.	1.8	63
62	Implicit reference-based group-wise image registration and its application to structural and functional MRI. <i>NeuroImage</i> , 2009, 47, 1341-1351.	4.2	67
63	Diffusion MRI Registration Using Orientation Distribution Functions. <i>Lecture Notes in Computer Science</i> , 2009, 21, 626-637.	1.3	22
64	Divided versus selective attention: Evidence for common processing mechanisms. <i>Brain Research</i> , 2008, 1215, 137-146.	2.2	33
65	Group independent component analysis reveals consistent resting-state networks across multiple sessions. <i>Brain Research</i> , 2008, 1239, 141-151.	2.2	117
66	Nicotine Enhances Visuospatial Attention by Deactivating Areas of the Resting Brain Default Network. <i>Journal of Neuroscience</i> , 2007, 27, 3477-3489.	3.6	184
67	Cingulate Activation Increases Dynamically with Response Speed under Stimulus Unpredictability. <i>Cerebral Cortex</i> , 2007, 17, 1664-1671.	2.9	191
68	Dimensionality estimation for group fMRI data reduction at multiple levels. , 2007, , .		0
69	Neuroanatomical dissociation between bottom–up and top–down processes of visuospatial selective attention. <i>NeuroImage</i> , 2006, 32, 842-853.	4.2	205
70	Head motion suppression using real-time feedback of motion information and its effects on task performance in fMRI. <i>NeuroImage</i> , 2005, 27, 153-162.	4.2	44
71	Neural correlates of high and craving during cocaine self-administration using BOLD fMRI. <i>NeuroImage</i> , 2005, 26, 1097-1108.	4.2	220
72	Comparability of functional MRI response in young and old during inhibition. <i>NeuroReport</i> , 2004, 15, 129-133.	1.2	40

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73	Multiple Neuronal Networks Mediate Sustained Attention. <i>Journal of Cognitive Neuroscience</i> , 2003, 15, 1028-1038.	2.3	280
74	A midline dissociation between error-processing and response-conflict monitoring. <i>NeuroImage</i> , 2003, 20, 1132-1139.	4.2	275
75	Cingulate Hypoactivity in Cocaine Users During a GO-NOGO Task as Revealed by Event-Related Functional Magnetic Resonance Imaging. <i>Journal of Neuroscience</i> , 2003, 23, 7839-7843.	3.6	518
76	Dissociable Executive Functions in the Dynamic Control of Behavior: Inhibition, Error Detection, and Correction. <i>NeuroImage</i> , 2002, 17, 1820-1829.	4.2	870
77	Cognitive Mechanisms of Nicotine on Visual Attention. <i>Neuron</i> , 2002, 36, 539-548.	8.1	298
78	Temporal Dynamics of Brain Activity in Human Memory Processes. <i>Nonlinear Dynamics, Psychology, and Life Sciences</i> , 2002, 6, 323-334.	0.2	2
79	Amygdala response to both positively and negatively valenced stimuli. <i>NeuroReport</i> , 2001, 12, 2779-2783.	1.2	262
80	Cue-Induced Cocaine Craving: Neuroanatomical Specificity for Drug Users and Drug Stimuli. <i>American Journal of Psychiatry</i> , 2000, 157, 1789-1798.	7.2	878
81	Right hemispheric dominance of inhibitory control: An event-related functional MRI study. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 8301-8306.	7.1	1,261
82	An extension to laser-induced fluorescence measures multiple velocity components simultaneously. <i>Review of Scientific Instruments</i> , 1996, 67, 3117-3121.	1.3	0
83	Slowing down of an ion beam in a background plasma. <i>Physics of Plasmas</i> , 1996, 3, 2824-2826.	1.9	2