

# Elliot A Stein

## List of Publications by Year in descending order

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Version: 2024-02-01

56  
papers

5,221  
citations

147801

31  
h-index

168389

53  
g-index

58  
all docs

58  
docs citations

58  
times ranked

5310  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Rat brains also have a default mode network. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 3979-3984.	7.1	509
3	Nicotine-Induced Limbic Cortical Activation in the Human Brain: A Functional MRI Study. <i>American Journal of Psychiatry</i> , 1998, 155, 1009-1015.	7.2	442
4	Resting state functional connectivity in addiction: Lessons learned and a road ahead. <i>NeuroImage</i> , 2012, 62, 2281-2295.	4.2	421
5	Cognitive Mechanisms of Nicotine on Visual Attention. <i>Neuron</i> , 2002, 36, 539-548.	8.1	298
6	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
7	Neuroanatomical dissociation between bottom-up and top-down processes of visuospatial selective attention. <i>NeuroImage</i> , 2006, 32, 842-853.	4.2	205
8	Large-Scale Brain Network Coupling Predicts Acute Nicotine Abstinence Effects on Craving and Cognitive Function. <i>JAMA Psychiatry</i> , 2014, 71, 523.	11.0	202
9	Transcranial electrical and magnetic stimulation (tES and TMS) for addiction medicine: A consensus paper on the present state of the science and the road ahead. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 104, 118-140.	6.1	198
10	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
11	Factors underlying prefrontal and insula structural alterations in smokers. <i>NeuroImage</i> , 2011, 54, 42-48.	4.2	168
12	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
13	Resting-state functional connectivity and nicotine addiction: prospects for biomarker development. <i>Annals of the New York Academy of Sciences</i> , 2015, 1349, 64-82.	3.8	133
14	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
15	Interactions between the Salience and Default-Mode Networks Are Disrupted in Cocaine Addiction. <i>Journal of Neuroscience</i> , 2015, 35, 8081-8090.	3.6	108
16	Constituents and functional implications of the rat default mode network. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E4541-7.	7.1	90
17	Chronic cigarette smoking is linked with structural alterations in brain regions showing acute nicotinic drug-induced functional modulations. <i>Behavioral and Brain Functions</i> , 2016, 12, 16.	3.3	88
18	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

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19	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
20	Functional connectivity with the retrosplenial cortex predicts cognitive aging in rats. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12286-12291.	7.1	69
21	Brain lesions disrupting addiction map to a common human brain circuit. <i>Nature Medicine</i> , 2022, 28, 1249-1255.	30.7	61
22	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
23	Acute Nicotine Differentially Impacts Anticipatory Valence- and Magnitude-Related Striatal Activity. <i>Biological Psychiatry</i> , 2013, 73, 280-288.	1.3	55
24	Resting state functional connectivity: Its physiological basis and application in neuropharmacology. <i>Neuropharmacology</i> , 2014, 84, 79-89.	4.1	53
25	Converging Structural and Functional Evidence for a Rat Salience Network. <i>Biological Psychiatry</i> , 2020, 88, 867-878.	1.3	51
26	Neurobiological Impact of Nicotinic Acetylcholine Receptor Agonists: An Activation Likelihood Estimation Meta-Analysis of Pharmacologic Neuroimaging Studies. <i>Biological Psychiatry</i> , 2015, 78, 711-720.	1.3	46
27	Physiological characterization of a robust survival rodent fMRI method. <i>Magnetic Resonance Imaging</i> , 2017, 35, 54-60.	1.8	46
28	Registering and analyzing rat fMRI data in the stereotaxic framework by exploiting intrinsic anatomical features. <i>Magnetic Resonance Imaging</i> , 2010, 28, 146-152.	1.8	44
29	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
30	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
31	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
32	CYP2A6 Genetic Variation Alters Striatal-Cingulate Circuits, Network Hubs, and Executive Processing in Smokers. <i>Biological Psychiatry</i> , 2017, 81, 554-563.	1.3	35
33	Heroin addiction engages negative emotional learning brain circuits in rats. <i>Journal of Clinical Investigation</i> , 2019, 129, 2480-2484.	8.2	35
34	Reward Anticipation Is Differentially Modulated by Varenicline and Nicotine in Smokers. <i>Neuropsychopharmacology</i> , 2015, 40, 2038-2046.	5.4	32
35	Functional Neurocircuits and Neuroimaging Biomarkers of Tobacco Use Disorder. <i>Trends in Molecular Medicine</i> , 2018, 24, 129-143.	6.7	32
36	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

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37	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
38	Individual differences in amygdala reactivity following nicotinic receptor stimulation in abstinent smokers. <i>NeuroImage</i> , 2013, 66, 585-593.	4.2	23
39	Dorsolateral caudate nucleus differentiates cocaine from natural reward-associated contextual cues. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 4093-4098.	7.1	21
40	Whole brain dynamics during optogenetic self-stimulation of the medial prefrontal cortex in mice. <i>Communications Biology</i> , 2021, 4, 66.	4.4	19
41	Intrinsic Insular-Frontal Networks Predict Future Nicotine Dependence Severity. <i>Journal of Neuroscience</i> , 2019, 39, 5028-5037.	3.6	18
42	Graph theory reveals amygdala modules consistent with its anatomical subdivisions. <i>Scientific Reports</i> , 2017, 7, 14392.	3.3	16
43	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
44	Intrinsic differences in insular circuits moderate the negative association between nicotine dependence and cingulate-striatal connectivity strength. <i>Neuropsychopharmacology</i> , 2020, 45, 1042-1049.	5.4	14
45	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
46	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
47	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
48	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
49	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
50	Nicotine addiction: Translational insights from circuit neuroscience. <i>Pharmacology Biochemistry and Behavior</i> , 2021, 204, 173171.	2.9	7
51	Recognition Memory is Associated with Distinct Patterns of Regional Gray Matter Volumes in Young and Aged Monkeys. <i>Cerebral Cortex</i> , 2022, 32, 933-948.	2.9	4
52	Nicotinic receptor modulation of the default mode network. <i>Psychopharmacology</i> , 2021, 238, 589-597.	3.1	3
53	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
54	Networks Associated with Reward. , 2016, , 1-27.		3

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55	Misconfigured striatal connectivity profiles in smokers. <i>Neuropsychopharmacology</i> , 2022, 47, 2081-2089.	5.4	1
56	Not all smokers are alike: the hidden cost of sustained attention during nicotine abstinence. <i>Neuropsychopharmacology</i> , 2022, 47, 1633-1642.	5.4	0