

# Betty Jo Salmeron

## List of Publications by Year in descending order

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64  
papers

4,695  
citations

147801

31  
h-index

138484

58  
g-index

71  
all docs

71  
docs citations

71  
times ranked

5454  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Neural correlates of high and craving during cocaine self-administration using BOLD fMRI. <i>NeuroImage</i> , 2005, 26, 1097-1108.	4.2	220
5	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
6	Mega-Analysis of Gray Matter Volume in Substance Dependence: General and Substance-Specific Regional Effects. <i>American Journal of Psychiatry</i> , 2019, 176, 119-128.	7.2	190
7	Impaired Functional Connectivity Within and Between Frontostriatal Circuits and Its Association With Compulsive Drug Use and Trait Impulsivity in Cocaine Addiction. <i>JAMA Psychiatry</i> , 2015, 72, 584.	11.0	177
8	Factors underlying prefrontal and insula structural alterations in smokers. <i>NeuroImage</i> , 2011, 54, 42-48.	4.2	168
9	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
10	Cocaine administration decreases functional connectivity in human primary visual and motor cortex as detected by functional MRI. <i>Magnetic Resonance in Medicine</i> , 2000, 43, 45-51.	3.0	156
11	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
12	Imaging Genetics and Genomics in Psychiatry: A Critical Review of Progress and Potential. <i>Biological Psychiatry</i> , 2017, 82, 165-175.	1.3	144
13	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
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	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
16	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
17	Anatomical differences and network characteristics underlying smoking cue reactivity. <i>NeuroImage</i> , 2011, 54, 131-141.	4.2	84
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	Effects of Methylphenidate on Functional MRI Blood-Oxygen-Level-Dependent Contrast. <i>American Journal of Psychiatry</i> , 2000, 157, 1697-1699.	7.2	71
20	Compulsive drug use is associated with imbalance of orbitofrontal- and prelimbic-striatal circuits in punishment-resistant individuals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 9066-9071.	7.1	66
21	Lower glutamate levels in rostral anterior cingulate of chronic cocaine users – A 1H-MRS study using TE-averaged PRESS at 3T with an optimized quantification strategy. <i>Psychiatry Research - Neuroimaging</i> , 2009, 174, 171-176.	1.8	63
22	Cortico-Amygdala Coupling as a Marker of Early Relapse Risk in Cocaine-Addicted Individuals. <i>Frontiers in Psychiatry</i> , 2014, 5, 16.	2.6	63
23	Saliency and default mode network dysregulation in chronic cocaine users predict treatment outcome. <i>Brain</i> , 2017, 140, 1513-1524.	7.6	62
24	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
25	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
26	Acute Nicotine Differentially Impacts Anticipatory Valence- and Magnitude-Related Striatal Activity. <i>Biological Psychiatry</i> , 2013, 73, 280-288.	1.3	55
27	Complexity of oxytocin's effects in a chronic cocaine dependent population. <i>European Neuropsychopharmacology</i> , 2014, 24, 1483-1491.	0.7	44
28	Pharmacological applications of magnetic resonance imaging. <i>Psychopharmacology Bulletin</i> , 2002, 36, 102-29.	0.0	42
29	Nicotine Abstinence Influences the Calculation of Saliency 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	Accelerated Intermittent Theta-Burst Stimulation as a Treatment for Cocaine Use Disorder: A Proof-of-Concept Study. <i>Frontiers in Neuroscience</i> , 2019, 13, 1147.	2.8	37
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	Reward Anticipation Is Differentially Modulated by Varenicline and Nicotine in Smokers. <i>Neuropsychopharmacology</i> , 2015, 40, 2038-2046.	5.4	32
35	Temporal Difference Error Prediction Signal Dysregulation in Cocaine Dependence. <i>Neuropsychopharmacology</i> , 2014, 39, 1732-1742.	5.4	25
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	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
38	Individual differences in amygdala reactivity following nicotinic receptor stimulation in abstinent smokers. <i>NeuroImage</i> , 2013, 66, 585-593.	4.2	23
39	Nicotine Enhances Alerting, but not Executive, Attention in Smokers and Nonsmokers. <i>Nicotine and Tobacco Research</i> , 2013, 15, 277-281.	2.6	21
40	Memory ability and hippocampal volume in adolescents with prenatal drug exposure. <i>Neurotoxicology and Teratology</i> , 2012, 34, 434-441.	2.4	20
41	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
42	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
43	Relations among prospective memory, cognitive abilities, and brain structure in adolescents who vary in prenatal drug exposure. <i>Journal of Experimental Child Psychology</i> , 2014, 127, 144-162.	1.4	14
44	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
45	Functional connectivity of dorsolateral prefrontal cortex predicts cocaine relapse: implications for neuromodulation treatment. <i>Brain Communications</i> , 2021, 3, fcab120.	3.3	14
46	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
47	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
48	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
49	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
50	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
51	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
52	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
53	Repetitive Transcranial Magnetic Stimulation Delivered With an H-Coil to the Right Insula Reduces Functional Connectivity Between Insula and Medial Prefrontal Cortex. <i>Neuromodulation</i> , 2020, 23, 384-392.	0.8	5
54	Report of transient events in a cocaine-dependent volunteer who received iTBS. <i>Brain Stimulation</i> , 2018, 11, 631-633.	1.6	3

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55	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
56	Measuring the Effect of Transcranial Direct Current Stimulation (tDCS) on Large-Scale Brain Networks With Simultaneous Functional Magnetic Resonance Imaging (fMRI). <i>Biological Psychiatry</i> , 2020, 87, S412.	1.3	2
57	Interpretation of prenatal drug exposure functional imaging data. <i>Neurotoxicology and Teratology</i> , 2015, 52, 58-59.	2.4	1
58	The Emotional Nature of Rescue Medicine Assessments. <i>American Journal of Bioethics</i> , 2015, 15, 27-29.	0.9	1
59	Brief rTMS delivered by H-Coil to a healthy volunteer induced delayed, transient hypomanic symptoms: A case report. <i>Brain Stimulation</i> , 2017, 10, 992-993.	1.6	0
60	Heterogeneity Exists in Healthy Populations as Well as in Neuropsychiatric Disorders. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021, 6, 501-502.	1.5	0
61	Pharmacological Applications of fMRI. , 2006, , 444-467.		0
62	Applications of MRI to Psychopharmacology. , 2011, , 671-686.		0
63	Applications of MRI to Psychopharmacology. , 2015, , 505-524.		0
64	Not all smokers are alike: the hidden cost of sustained attention during nicotine abstinence. <i>Neuropsychopharmacology</i> , 2022, 47, 1633-1642.	5.4	0