

# Nora D Volkow

## List of Publications by Citations

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228  
papers

41,727  
citations

84  
h-index

204  
g-index

249  
ext. papers

48,264  
ext. citations

9.5  
avg, IF

8.3  
L-index

#	Paper	IF	Citations
228	Neurocircuitry of addiction. <i>Neuropsychopharmacology</i> , <b>2010</b> , 35, 217-38	8.7	3389
227	The neural basis of addiction: a pathology of motivation and choice. <i>American Journal of Psychiatry</i> , <b>2005</b> , 162, 1403-13	11.9	2315
226	Drug addiction and its underlying neurobiological basis: neuroimaging evidence for the involvement of the frontal cortex. <i>American Journal of Psychiatry</i> , <b>2002</b> , 159, 1642-52	11.9	1986
225	Dysfunction of the prefrontal cortex in addiction: neuroimaging findings and clinical implications. <i>Nature Reviews Neuroscience</i> , <b>2011</b> , 12, 652-69	13.5	1586
224	Neurobiology of addiction: a neurocircuitry analysis. <i>Lancet Psychiatry</i> , <b>2016</b> , 3, 760-773	23.3	1384
223	Brain dopamine and obesity. <i>Lancet, The</i> , <b>2001</b> , 357, 354-7	40	1365
222	Distribution volume ratios without blood sampling from graphical analysis of PET data. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1996</b> , 16, 834-40	7.3	1209
221	Graphical analysis of reversible radioligand binding from time-activity measurements applied to [N-11C-methyl]-(-)-cocaine PET studies in human subjects. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1990</b> , 10, 740-7	7.3	1125
220	Neurobiologic Advances from the Brain Disease Model of Addiction. <i>New England Journal of Medicine</i> , <b>2016</b> , 374, 363-71	59.2	892
219	Addiction, a disease of compulsion and drive: involvement of the orbitofrontal cortex. <i>Cerebral Cortex</i> , <b>2000</b> , 10, 318-25	5.1	886
218	How can drug addiction help us understand obesity?. <i>Nature Neuroscience</i> , <b>2005</b> , 8, 555-60	25.5	852
217	Low level of brain dopamine D2 receptors in methamphetamine abusers: association with metabolism in the orbitofrontal cortex. <i>American Journal of Psychiatry</i> , <b>2001</b> , 158, 2015-21	11.9	740
216	Decreased dopamine D2 receptor availability is associated with reduced frontal metabolism in cocaine abusers. <i>Synapse</i> , <b>1993</b> , 14, 169-77	2.4	724
215	Opioid Abuse in Chronic Pain--Misconceptions and Mitigation Strategies. <i>New England Journal of Medicine</i> , <b>2016</b> , 374, 1253-63	59.2	722
214	Dopamine transporter occupancies in the human brain induced by therapeutic doses of oral methylphenidate. <i>American Journal of Psychiatry</i> , <b>1998</b> , 155, 1325-31	11.9	718
213	The Brain on Drugs: From Reward to Addiction. <i>Cell</i> , <b>2015</b> , 162, 712-25	56.2	705
212	Medication-assisted therapies--tackling the opioid-overdose epidemic. <i>New England Journal of Medicine</i> , <b>2014</b> , 370, 2063-6	59.2	664

211	Overlapping neuronal circuits in addiction and obesity: evidence of systems pathology. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2008</b> , 363, 3191-200	5.8	595
210	Addiction: beyond dopamine reward circuitry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 15037-42	11.5	594
209	The addicted human brain: insights from imaging studies. <i>Journal of Clinical Investigation</i> , <b>2003</b> , 111, 1444-51	15.9	588
208	Therapeutic doses of oral methylphenidate significantly increase extracellular dopamine in the human brain. <i>Journal of Neuroscience</i> , <b>2001</b> , 21, RC121	6.6	511
207	Functional connectivity density mapping. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 9885-90	11.5	461
206	Effects of Cannabis Use on Human Behavior, Including Cognition, Motivation, and Psychosis: A Review. <i>JAMA Psychiatry</i> , <b>2016</b> , 73, 292-7	14.5	455
205	The dopamine motive system: implications for drug and food addiction. <i>Nature Reviews Neuroscience</i> , <b>2017</b> , 18, 741-752	13.5	449
204	Is methylphenidate like cocaine? Studies on their pharmacokinetics and distribution in the human brain. <i>Archives of General Psychiatry</i> , <b>1995</b> , 52, 456-63		440
203	Decreases in dopamine receptors but not in dopamine transporters in alcoholics. <i>Alcoholism: Clinical and Experimental Research</i> , <b>1996</b> , 20, 1594-8	3.7	436
202	Low dopamine striatal D2 receptors are associated with prefrontal metabolism in obese subjects: possible contributing factors. <i>NeuroImage</i> , <b>2008</b> , 42, 1537-43	7.9	421
201	Evaluating dopamine reward pathway in ADHD: clinical implications. <i>JAMA - Journal of the American Medical Association</i> , <b>2009</b> , 302, 1084-91	27.4	417
200	Etiologic subtypes of attention-deficit/hyperactivity disorder: brain imaging, molecular genetic and environmental factors and the dopamine hypothesis. <i>Neuropsychology Review</i> , <b>2007</b> , 17, 39-59	7.7	416
199	Similarity between obesity and drug addiction as assessed by neurofunctional imaging: a concept review. <i>Journal of Addictive Diseases</i> , <b>2004</b> , 23, 39-53	1.7	398
198	Role of dopamine, the frontal cortex and memory circuits in drug addiction: insight from imaging studies. <i>Neurobiology of Learning and Memory</i> , <b>2002</b> , 78, 610-24	3.1	386
197	Addiction circuitry in the human brain. <i>Annual Review of Pharmacology and Toxicology</i> , <b>2012</b> , 52, 321-36	17.9	384
196	Profound decreases in dopamine release in striatum in detoxified alcoholics: possible orbitofrontal involvement. <i>Journal of Neuroscience</i> , <b>2007</b> , 27, 12700-6	6.6	362
195	"Nonhedonic" food motivation in humans involves dopamine in the dorsal striatum and methylphenidate amplifies this effect. <i>Synapse</i> , <b>2002</b> , 44, 175-80	2.4	349
194	Long-term frontal brain metabolic changes in cocaine abusers. <i>Synapse</i> , <b>1992</b> , 11, 184-90	2.4	344

193	Energetic cost of brain functional connectivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 13642-7	11.5	331
192	Imaging endogenous dopamine competition with [ <sup>11</sup> C]raclopride in the human brain. <i>Synapse</i> , <b>1994</b> , 16, 255-62	2.4	321
191	The Role of Science in Addressing the Opioid Crisis. <i>New England Journal of Medicine</i> , <b>2017</b> , 377, 391-394	59.2	311
190	Addiction: decreased reward sensitivity and increased expectation sensitivity conspire to overwhelm the brain's control circuit. <i>BioEssays</i> , <b>2010</b> , 32, 748-55	4.1	304
189	Exposure to appetitive food stimuli markedly activates the human brain. <i>NeuroImage</i> , <b>2004</b> , 21, 1790-7	7.9	303
188	Cerebral blood flow in chronic cocaine users: a study with positron emission tomography. <i>British Journal of Psychiatry</i> , <b>1988</b> , 152, 641-8	5.4	287
187	Expectation enhances the regional brain metabolic and the reinforcing effects of stimulants in cocaine abusers. <i>Journal of Neuroscience</i> , <b>2003</b> , 23, 11461-8	6.6	263
186	Activation of orbital and medial prefrontal cortex by methylphenidate in cocaine-addicted subjects but not in controls: relevance to addiction. <i>Journal of Neuroscience</i> , <b>2005</b> , 25, 3932-9	6.6	262
185	The addictive dimensionality of obesity. <i>Biological Psychiatry</i> , <b>2013</b> , 73, 811-8	7.9	255
184	The conception of the ABCD study: From substance use to a broad NIH collaboration. <i>Developmental Cognitive Neuroscience</i> , <b>2018</b> , 32, 4-7	5.5	253
183	Inverse association between BMI and prefrontal metabolic activity in healthy adults. <i>Obesity</i> , <b>2009</b> , 17, 60-5	8	246
182	Increased risk of COVID-19 infection and mortality in people with mental disorders: analysis from electronic health records in the United States. <i>World Psychiatry</i> , <b>2021</b> , 20, 124-130	14.4	246
181	Relationship between blockade of dopamine transporters by oral methylphenidate and the increases in extracellular dopamine: therapeutic implications. <i>Synapse</i> , <b>2002</b> , 43, 181-7	2.4	236
180	Association between age-related decline in brain dopamine activity and impairment in frontal and cingulate metabolism. <i>American Journal of Psychiatry</i> , <b>2000</b> , 157, 75-80	11.9	232
179	Prevention and Treatment of Opioid Misuse and Addiction: A Review. <i>JAMA Psychiatry</i> , <b>2019</b> , 76, 208-216	64.5	217
178	Enhanced striatal dopamine release during food stimulation in binge eating disorder. <i>Obesity</i> , <b>2011</b> , 19, 1601-8	8	212
177	Evidence that methylphenidate enhances the saliency of a mathematical task by increasing dopamine in the human brain. <i>American Journal of Psychiatry</i> , <b>2004</b> , 161, 1173-80	11.9	207
176	Is decreased prefrontal cortical sensitivity to monetary reward associated with impaired motivation and self-control in cocaine addiction?. <i>American Journal of Psychiatry</i> , <b>2007</b> , 164, 43-51	11.9	204

175	COVID-19 risk and outcomes in patients with substance use disorders: analyses from electronic health records in the United States. <i>Molecular Psychiatry</i> , <b>2021</b> , 26, 30-39	15.1	200
174	Brain DA D2 receptors predict reinforcing effects of stimulants in humans: replication study. <i>Synapse</i> , <b>2002</b> , 46, 79-82	2.4	199
173	Dopamine D2 receptor availability in opiate-dependent subjects before and after naloxone-precipitated withdrawal. <i>Neuropsychopharmacology</i> , <b>1997</b> , 16, 174-82	8.7	197
172	Dopamine increases in striatum do not elicit craving in cocaine abusers unless they are coupled with cocaine cues. <i>NeuroImage</i> , <b>2008</b> , 39, 1266-73	7.9	183
171	Evidence of gender differences in the ability to inhibit brain activation elicited by food stimulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 1249-54	11.5	180
170	Brain dopamine is associated with eating behaviors in humans. <i>International Journal of Eating Disorders</i> , <b>2003</b> , 33, 136-42	6.3	172
169	Management of opioid use disorder in the USA: present status and future directions. <i>Lancet, The</i> , <b>2019</b> , 393, 1760-1772	40	159
168	Evidence that sleep deprivation downregulates dopamine D2R in ventral striatum in the human brain. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 6711-7	6.6	151
167	Sleep deprivation decreases binding of [ <sup>11</sup> C]raclopride to dopamine D2/D3 receptors in the human brain. <i>Journal of Neuroscience</i> , <b>2008</b> , 28, 8454-61	6.6	148
166	Slow recovery of human brain MAO B after L-deprenyl (Selegeline) withdrawal. <i>Synapse</i> , <b>1994</b> , 18, 86-93	2.4	144
165	Methylphenidate-elicited dopamine increases in ventral striatum are associated with long-term symptom improvement in adults with attention deficit hyperactivity disorder. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 841-9	6.6	143
164	Glutamate modulation of dopamine measured in vivo with positron emission tomography (PET) and <sup>11</sup> C-raclopride in normal human subjects. <i>Neuropsychopharmacology</i> , <b>1998</b> , 18, 18-25	8.7	143
163	A novel strategy for the treatment of cocaine addiction. <i>Synapse</i> , <b>1998</b> , 30, 119-29	2.4	142
162	Anterior cingulate cortex hypoactivations to an emotionally salient task in cocaine addiction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 9453-8	11.5	139
161	Effects of blood flow on [ <sup>11</sup> C]raclopride binding in the brain: model simulations and kinetic analysis of PET data. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1994</b> , 14, 995-1010	7.3	139
160	Acute effects of ethanol on regional brain glucose metabolism and transport. <i>Psychiatry Research - Neuroimaging</i> , <b>1990</b> , 35, 39-48	2.9	137
159	Decreased dopamine brain reactivity in marijuana abusers is associated with negative emotionality and addiction severity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, E3149-56	11.5	131
158	Use and Misuse of Opioids in Chronic Pain. <i>Annual Review of Medicine</i> , <b>2018</b> , 69, 451-465	17.4	118

157	The Neuroscience of Drug Reward and Addiction. <i>Physiological Reviews</i> , <b>2019</b> , 99, 2115-2140	47.9	115
156	GABAergic attenuation of cocaine-induced dopamine release and locomotor activity. <i>Synapse</i> , <b>1997</b> , 25, 393-8	2.4	112
155	Dopamine-transporter occupancy after intravenous doses of cocaine and methylphenidate in mice and humans. <i>Psychopharmacology</i> , <b>1999</b> , 146, 93-100	4.7	109
154	Mapping muscarinic receptors in human and baboon brain using [N-11C-methyl]-benztropine. <i>Synapse</i> , <b>1990</b> , 5, 213-23	2.4	108
153	Dopaminergic response to drug words in cocaine addiction. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 6001-6	6.6	104
152	Brain default-mode network dysfunction in addiction. <i>NeuroImage</i> , <b>2019</b> , 200, 313-331	7.9	97
151	Opioid use disorder. <i>Nature Reviews Disease Primers</i> , <b>2020</b> , 6, 3	51.1	95
150	Imaging the brain marijuana receptor: development of a radioligand that binds to cannabinoid CB1 receptors in vivo. <i>Journal of Neurochemistry</i> , <b>1998</b> , 70, 417-23	6	93
149	Effects of expectation on the brain metabolic responses to methylphenidate and to its placebo in non-drug abusing subjects. <i>NeuroImage</i> , <b>2006</b> , 32, 1782-92	7.9	89
148	Helping to End Addiction Over the Long-term: The Research Plan for the NIH HEAL Initiative. <i>JAMA - Journal of the American Medical Association</i> , <b>2018</b> , 320, 129-130	27.4	88
147	Dr. Volkow and Associates Reply. <i>American Journal of Psychiatry</i> , <b>1991</b> , 148, 1759-b-1760	11.9	87
146	Synergistic interactions between nicotine and cocaine or methylphenidate depend on the dose of dopamine transporter inhibitor. <i>Synapse</i> , <b>2000</b> , 38, 432-7	2.4	85
145	Overlapping patterns of brain activation to food and cocaine cues in cocaine abusers: association to striatal D2/D3 receptors. <i>Human Brain Mapping</i> , <b>2015</b> , 36, 120-36	5.9	83
144	Cocaine addiction: hypothesis derived from imaging studies with PET. <i>Journal of Addictive Diseases</i> , <b>1996</b> , 15, 55-71	1.7	82
143	Amphetamine induced decreases in (18F)-N-methylspiroperidol binding in the baboon brain using positron emission tomography (PET). <i>Synapse</i> , <b>1991</b> , 7, 324-7	2.4	80
142	Low doses of alcohol substantially decrease glucose metabolism in the human brain. <i>NeuroImage</i> , <b>2006</b> , 29, 295-301	7.9	78
141	Cardiovascular effects of methylphenidate in humans are associated with increases of dopamine in brain and of epinephrine in plasma. <i>Psychopharmacology</i> , <b>2003</b> , 166, 264-70	4.7	74
140	Regional Brain Metabolism During Alcohol Intoxication. <i>Alcoholism: Clinical and Experimental Research</i> , <b>2000</b> , 24, 822-829	3.7	73

139	Regional Brain Metabolic Response to Lorazepam in Alcoholics during Early and Late Alcohol Detoxification. <i>Alcoholism: Clinical and Experimental Research</i> , <b>1997</b> , 21, 1278-1284	3.7	71
138	Regional brain metabolic response to lorazepam in subjects at risk for alcoholism. <i>Alcoholism: Clinical and Experimental Research</i> , <b>1995</b> , 19, 510-6	3.7	71
137	Acute alcohol intoxication decreases glucose metabolism but increases acetate uptake in the human brain. <i>NeuroImage</i> , <b>2013</b> , 64, 277-83	7.9	70
136	Long-term stimulant treatment affects brain dopamine transporter level in patients with attention deficit hyperactive disorder. <i>PLoS ONE</i> , <b>2013</b> , 8, e63023	3.7	69
135	Mapping nicotinic acetylcholine receptors with PET. <i>Synapse</i> , <b>1996</b> , 24, 403-7	2.4	64
134	[(11)]Cocaine: PET studies of cocaine pharmacokinetics, dopamine transporter availability and dopamine transporter occupancy. <i>Nuclear Medicine and Biology</i> , <b>2001</b> , 28, 561-72	2.1	59
133	Design and synthesis of the CB1 selective cannabinoid antagonist AM281: a potential human SPECT ligand. <i>AAPS PharmSci</i> , <b>1999</b> , 1, E4		59
132	Genomic features of the human dopamine transporter gene and its potential epigenetic States: implications for phenotypic diversity. <i>PLoS ONE</i> , <b>2010</b> , 5, e11067	3.7	57
131	Acute cocaine induces fast activation of D1 receptor and progressive deactivation of D2 receptor striatal neurons: in vivo optical microprobe [Ca <sup>2+</sup> ] <sub>i</sub> imaging. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 13180-90	6.6	57
130	Cannabinoid receptor-mediated inhibition of acetylcholine release from hippocampal and cortical synaptosomes. <i>British Journal of Pharmacology</i> , <b>2000</b> , 131, 645-50	8.6	57
129	Neurochemical and metabolic effects of acute and chronic alcohol in the human brain: Studies with positron emission tomography. <i>Neuropharmacology</i> , <b>2017</b> , 122, 175-188	5.5	56
128	The changing opioid crisis: development, challenges and opportunities. <i>Molecular Psychiatry</i> , <b>2021</b> , 26, 218-233	15.1	56
127	Measuring dopamine transporter occupancy by cocaine in vivo: radiotracer considerations. <i>Synapse</i> , <b>1998</b> , 28, 111-6	2.4	53
126	Stigma and the Toll of Addiction. <i>New England Journal of Medicine</i> , <b>2020</b> , 382, 1289-1290	59.2	52
125	Behavioral and Cardiovascular Effects of Intravenous Methylphenidate in Normal Subjects and Cocaine Abusers. <i>European Addiction Research</i> , <b>1997</b> , 3, 49-54	4.6	52
124	Locomotor activity and occupancy of brain cannabinoid CB1 receptors by the antagonist/inverse agonist AM281. <i>Synapse</i> , <b>2000</b> , 38, 477-82	2.4	52
123	Chronic cocaine dampens dopamine signaling during cocaine intoxication and unbalances D1 over D2 receptor signaling. <i>Journal of Neuroscience</i> , <b>2013</b> , 33, 15827-36	6.6	48
122	New medications for substance use disorders: challenges and opportunities. <i>Neuropsychopharmacology</i> , <b>2012</b> , 37, 290-2	8.7	47

121	Cocaine increases the intracellular calcium concentration in brain independently of its cerebrovascular effects. <i>Journal of Neuroscience</i> , <b>2006</b> , 26, 11522-31	6.6	47
120	Cannabis Abusers Show Hypofrontality and Blunted Brain Responses to a Stimulant Challenge in Females but not in Males. <i>Neuropsychopharmacology</i> , <b>2016</b> , 41, 2596-605	8.7	47
119	Genotype and ancestry modulate brain DAT availability in healthy humans. <i>PLoS ONE</i> , <b>2011</b> , 6, e22754	3.7	46
118	Neurofunctional Domains Derived From Deep Behavioral Phenotyping in Alcohol Use Disorder. <i>American Journal of Psychiatry</i> , <b>2019</b> , 176, 744-753	11.9	46
117	Drug use disorders: impact of a public health rather than a criminal justice approach. <i>World Psychiatry</i> , <b>2017</b> , 16, 213-214	14.4	44
116	Influence of alcoholism and cholesterol on TSPO binding in brain: PET [C]PBR28 studies in humans and rodents. <i>Neuropsychopharmacology</i> , <b>2018</b> , 43, 1832-1839	8.7	44
115	Concentration and occupancy of dopamine transporters in cocaine abusers with [11C]cocaine and PET. <i>Synapse</i> , <b>1997</b> , 27, 347-56	2.4	43
114	Alcohol Intoxication Induces Greater Reductions in Brain Metabolism in Male Than in Female Subjects. <i>Alcoholism: Clinical and Experimental Research</i> , <b>2003</b> , 27, 909-917	3.7	42
113	Personalizing the Treatment of Substance Use Disorders. <i>American Journal of Psychiatry</i> , <b>2020</b> , 177, 113-116	11.6	38
112	Regional distribution and kinetics of haloperidol binding in human brain: a PET study with [18F]haloperidol. <i>Synapse</i> , <b>1992</b> , 11, 10-9	2.4	36
111	Drugs, sleep, and the addicted brain. <i>Neuropsychopharmacology</i> , <b>2020</b> , 45, 3-5	8.7	36
110	Correspondence between cerebral glucose metabolism and BOLD reveals relative power and cost in human brain. <i>Nature Communications</i> , <b>2019</b> , 10, 690	17.4	35
109	Ghrelin reductions following bariatric surgery were associated with decreased resting state activity in the hippocampus. <i>International Journal of Obesity</i> , <b>2019</b> , 43, 842-851	5.5	33
108	Changes in brain functional homogeneity in subjects with Alzheimer disease. <i>Psychiatry Research - Neuroimaging</i> , <b>2002</b> , 114, 39-50	2.9	33
107	Synchronized Astrocytic Ca Responses in Neurovascular Coupling during Somatosensory Stimulation and for the Resting State. <i>Cell Reports</i> , <b>2018</b> , 23, 3878-3890	10.6	33
106	Dynamic brain glucose metabolism identifies anti-correlated cortical-cerebellar networks at rest. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2017</b> , 37, 3659-3670	7.3	31
105	Alcohol decreases baseline brain glucose metabolism more in heavy drinkers than controls but has no effect on stimulation-induced metabolic increases. <i>Journal of Neuroscience</i> , <b>2015</b> , 35, 3248-55	6.6	31
104	BMI modulates calorie-dependent dopamine changes in accumbens from glucose intake. <i>PLoS ONE</i> , <b>2014</b> , 9, e101585	3.7	30



103	Imaging separation of neuronal from vascular effects of cocaine on rat cortical brain in vivo. <i>NeuroImage</i> , <b>2011</b> , 54, 1130-9	7.9	30
102	Quantitative autoradiography of cocaine binding sites in human brain postmortem. <i>Synapse</i> , <b>1992</b> , 10, 126-30	2.4	29
101	Bariatric surgery in obese patients reduced resting connectivity of brain regions involved with self-referential processing. <i>Human Brain Mapping</i> , <b>2018</b> , 39, 4755-4765	5.9	28
100	Differential effects of anesthetics on cocaine's pharmacokinetic and pharmacodynamic effects in brain. <i>European Journal of Neuroscience</i> , <b>2009</b> , 30, 1565-75	3.5	28
99	Sensitivity of striatal [ <sup>11</sup> C]cocaine binding to decreases in synaptic dopamine. <i>Synapse</i> , <b>1995</b> , 20, 137-44	2.4	28
98	Cocaine doses equivalent to those abused by humans occupy most of the dopamine transporters. <i>Synapse</i> , <b>1996</b> , 24, 399-402	2.4	28
97	America's opioid crisis: the need for an integrated public health approach. <i>Translational Psychiatry</i> , <b>2020</b> , 10, 167	8.6	26
96	Studies with differentially labeled [ <sup>11</sup> C]cocaine, [ <sup>11</sup> C]norcocaine, [ <sup>11</sup> C]benzoylecgonine, and [ <sup>11</sup> C]- and 4[ <sup>18</sup> F]fluorococaine to probe the extent to which [ <sup>11</sup> C]cocaine metabolites contribute to PET images of the baboon brain. <i>Journal of Neurochemistry</i> , <b>1994</b> , 62, 1154-62	6	26
95	Medication development in opioid addiction: Meaningful clinical end points. <i>Science Translational Medicine</i> , <b>2018</b> , 10,	17.5	25
94	Structural changes in brain regions involved in executive-control and self-referential processing after sleeve gastrectomy in obese patients. <i>Brain Imaging and Behavior</i> , <b>2019</b> , 13, 830-840	4.1	24
93	Evaluation of the importance of rebinding to receptors in slowing the approach to equilibrium of high-affinity PET and SPECT radiotracers. <i>Synapse</i> , <b>1998</b> , 28, 167-75	2.4	24
92	Distribution of tracer levels of cocaine in the human brain as assessed with averaged [ <sup>11</sup> C]cocaine images. <i>Synapse</i> , <b>1999</b> , 31, 290-6	2.4	24
91	Occupancy of brain nicotinic acetylcholine receptors by nicotine doses equivalent to those obtained when smoking a cigarette. <i>Synapse</i> , <b>2000</b> , 35, 234-7	2.4	22
90	Effects of endogenous neurotransmitters on the in vivo binding of dopamine and 5-HT radiotracers in mice. <i>Neuropsychopharmacology</i> , <b>2001</b> , 25, 679-89	8.7	21
89	Opioid-galanin receptor heteromers mediate the dopaminergic effects of opioids. <i>Journal of Clinical Investigation</i> , <b>2019</b> , 129, 2730-2744	15.9	20
88	Striatal Dopamine D2/D3 Receptor Availability Varies Across Smoking Status. <i>Neuropsychopharmacology</i> , <b>2017</b> , 42, 2325-2332	8.7	19
87	Opportunities for Research on the Treatment of Substance Use Disorders in the Context of COVID-19. <i>JAMA Psychiatry</i> , <b>2020</b> ,	14.5	19
86	Chronic cocaine disrupts neurovascular networks and cerebral function: optical imaging studies in rodents. <i>Journal of Biomedical Optics</i> , <b>2016</b> , 21, 26006	3.5	18

85	The NIH Common Fund/Roadmap Epigenomics Program: Successes of a comprehensive consortium. <i>Science Advances</i> , <b>2019</b> , 5, eaaw6507	14.3	18
84	Increased risk for COVID-19 breakthrough infection in fully vaccinated patients with substance use disorders in the United States between December 2020 and August 2021. <i>World Psychiatry</i> , <b>2021</b> ,	14.4	18
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