Nora D Volkow

List of Publications by Year in Descending Order

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	Socioeconomic status, BMI, and brain development in children.. *Translational Psychiatry*, **2022**, 12, 33	8.6	2
227	COVID infection severity in children under 5 years old before and after Omicron emergence in the US. **2022**,		13
226	Elevated transferrin saturation in individuals with alcohol use disorder: Association with HFE polymorphism and alcohol withdrawal severity.. *Addiction Biology*, **2022**, 27, e13144	4.6	1
225	Comparison of outcomes from COVID infection in pediatric and adult patients before and after the emergence of Omicron. **2022**,		16
224	COVID infection rates, clinical outcomes, and racial/ethnic and gender disparities before and after Omicron emerged in the US. **2022**,		4
223	Protracted abstinence in males with an opioid use disorder: partial recovery of nucleus accumbens function.. *Translational Psychiatry*, **2022**, 12, 81	8.6	0
222	Prevention, treatment and care of substance use disorders in times of COVID-19.. *World Psychiatry*, **2022**, 21, 323-324	14.4	
221	Neuropsychosocial markers of binge drinking in young adults. *Molecular Psychiatry*, **2021**, 26, 4931-4943	15.1	5
220	Nutritional Ketosis as a Potential Treatment for Alcohol Use Disorder.. *Frontiers in Psychiatry*, **2021**, 12, 781668	5	2
219	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. *World Psychiatry*, **2021**,	14.4	18
218	Ketogenic diet reduces alcohol withdrawal symptoms in humans and alcohol intake in rodents. *Science Advances*, **2021**, 7,	14.3	11
217	Cocaine Reduces the Neuronal Population While Upregulating Dopamine D2-Receptor-Expressing Neurons in Brain Reward Regions: Sex-Effects. *Frontiers in Pharmacology*, **2021**, 12, 624127	5.6	5
216	The epidemic of fentanyl misuse and overdoses: challenges and strategies. *World Psychiatry*, **2021**, 20, 195-196	14.4	10
215	To end the opioid crisis, we must address painful social disparities. *Drug and Alcohol Dependence*, **2021**, 222, 108678	4.9	5
214	Associations of family income with cognition and brain structure in USA children: prevention implications. *Molecular Psychiatry*, **2021**,	15.1	11
213	Cannabis Affects Cerebellar Volume and Sleep Differently in Men and Women. *Frontiers in Psychiatry*, **2021**, 12, 643193	5	2
212	Sensory cue reactivity: Sensitization in alcohol use disorder and obesity. *Neuroscience and Biobehavioral Reviews*, **2021**, 124, 326-357	9	3

211	Remembering Mary Jeanne Kreek and her many contributions to addiction science. *Nature Neuroscience*, **2021**, 24, 899-900	25.5	1
210	Extended-Release Buprenorphine and Its Evaluation With Patient-Reported Outcomes. *JAMA Network Open*, **2021**, 4, e219708	10.4	1
209	Associations of Suicidality Trends With Cannabis Use as a Function of Sex and Depression Status. *JAMA Network Open*, **2021**, 4, e2113025	10.4	11
208	Conscious and unconscious brain responses to food and cocaine cues. *Brain Imaging and Behavior*, **2021**, 15, 311-319	4.1	4
207	The changing opioid crisis: development, challenges and opportunities. *Molecular Psychiatry*, **2021**, 26, 218-233	15.1	56
206	Increased risk of COVID-19 infection and mortality in people with mental disorders: analysis from electronic health records in the United States. *World Psychiatry*, **2021**, 20, 124-130	14.4	246
205	Brain Connectivity, and Hormonal and Behavioral Correlates of Sustained Weight Loss in Obese Patients after Laparoscopic Sleeve Gastrectomy. *Cerebral Cortex*, **2021**, 31, 1284-1295	5.1	7
204	Increased transcription of TSPO, HDAC2, and HDAC6 in the amygdala of males with alcohol use disorder. *Brain and Behavior*, **2021**, 11, e01961	3.4	7
203	Multi-Agency Development of Medical Countermeasures Against Opioid-Induced Respiratory Depression. *Clinical Pharmacology and Therapeutics*, **2021**, 109, 576-577	6.1	0
202	Lessons From the 1918 Flu Pandemic: A Novel Etiologic Subtype of ADHD?. *Journal of the American Academy of Child and Adolescent Psychiatry*, **2021**, 60, 1-2	7.2	4
201	COVID-19 risk and outcomes in patients with substance use disorders: analyses from electronic health records in the United States. *Molecular Psychiatry*, **2021**, 26, 30-39	15.1	200
200	TSPO polymorphism in individuals with alcohol use disorder: Association with cholesterol levels and withdrawal severity. *Addiction Biology*, **2021**, 26, e12838	4.6	3
199	Drug repurposing for opioid use disorders: integration of computational prediction, clinical corroboration, and mechanism of action analyses. *Molecular Psychiatry*, **2021**, 26, 5286-5296	15.1	4
198	Accelerated Aging of the Amygdala in Alcohol Use Disorders: Relevance to the Dark Side of Addiction. *Cerebral Cortex*, **2021**, 31, 3254-3265	5.1	3
197	Choosing appropriate language to reduce the stigma around mental illness and substance use disorders. *Neuropsychopharmacology*, **2021**, 46, 2230-2232	8.7	5
196	Sleep disturbances are associated with cortical and subcortical atrophy in alcohol use disorder. *Translational Psychiatry*, **2021**, 11, 428	8.6	2
195	Addiction should be treated, not penalized. *Neuropsychopharmacology*, **2021**, 46, 2048-2050	8.7	4
194	Relationship between BMI and alcohol consumption levels in decision making. *International Journal of Obesity*, **2021**, 45, 2455-2463	5.5	1

193	Ca channel blockade reduces cocaine vasoconstriction and neurotoxicity in the prefrontal cortex. *Translational Psychiatry*, **2021**, 11, 459	8.6	3
192	Naloxone precipitated withdrawal increases dopamine release in the dorsal striatum of opioid dependent men. *Translational Psychiatry*, **2021**, 11, 445	8.6	4
191	Research on substance use disorders during the COVID-19 pandemic. *Journal of Substance Abuse Treatment*, **2021**, 129, 108385	4.2	3
190	Brain opioid segments and striatal patterns of dopamine release induced by naloxone and morphine. *Human Brain Mapping*, **2021**,	5.9	1
189	Epistatic evidence for gender-dependant slow neurotransmission signalling in substance use disorders: PPP1R12B versus PPP1R1B. *EBioMedicine*, **2020**, 61, 103066	8.8	2
188	Personality traits in substance use disorders and obesity when compared to healthy controls. *Addiction*, **2020**, 115, 2130-2139	4.6	3
187	Brain Network Segregation and Glucose Energy Utilization: Relevance for Age-Related Differences in Cognitive Function. *Cerebral Cortex*, **2020**, 30, 5930-5942	5.1	7
186	Neuroimaging of inflammation in alcohol use disorder: a review. *Science China Information Sciences*, **2020**, 63, 1	3.4	6
185	Stigma and the Toll of Addiction. *New England Journal of Medicine*, **2020**, 382, 1289-1290	59.2	52
184	America opioid crisis: the need for an integrated public health approach. *Translational Psychiatry*, **2020**, 10, 167	8.6	26
183	Importance of a standard unit dose for cannabis research. *Addiction*, **2020**, 115, 1219-1221	4.6	14
182	Personalizing the Treatment of Substance Use Disorders. *American Journal of Psychiatry*, **2020**, 177, 113-116	11.6	38
181	Sleep inconsistency between weekends and weekdays is associated with changes in brain function during task and rest. *Sleep*, **2020**, 43,	1.1	9
180	Opioid use disorder. *Nature Reviews Disease Primers*, **2020**, 6, 3	51.1	95
179	Inhibition of food craving is a metabolically active process in the brain in obese men. *International Journal of Obesity*, **2020**, 44, 590-600	5.5	8
178	Translating Opioid Pharmacology From Bench to Bedside, and Back. *Biological Psychiatry*, **2020**, 87, 4-5	7.9	3
177	Elevated thalamic glutamate levels and reduced water diffusivity in alcohol use disorder: Association with impulsivity. *Psychiatry Research - Neuroimaging*, **2020**, 305, 111185	2.9	4
176	Cocaine-induced ischemia in prefrontal cortex is associated with escalation of cocaine intake in rodents. *Molecular Psychiatry*, **2020**, 25, 1759-1776	15.1	12

175	Drugs, sleep, and the addicted brain. *Neuropsychopharmacology*, **2020**, 45, 3-5	8.7	36
174	Opportunities for Research on the Treatment of Substance Use Disorders in the Context of COVID-19. *JAMA Psychiatry*, **2020**,	14.5	19
173	The Neuroscience of Drug Reward and Addiction. *Physiological Reviews*, **2019**, 99, 2115-2140	47.9	115
172	ADGRL3 (LPHN3) variants predict substance use disorder. *Translational Psychiatry*, **2019**, 9, 42	8.6	13
171	Brain default-mode network dysfunction in addiction. *NeuroImage*, **2019**, 200, 313-331	7.9	97
170	Management of opioid use disorder in the USA: present status and future directions. *Lancet, The*, **2019**, 393, 1760-1772	40	159
169	The role of neurologists in tackling the opioid epidemic. *Nature Reviews Neurology*, **2019**, 15, 301-305	15	16
168	Expectation effects on brain dopamine responses to methylphenidate in cocaine use disorder. *Translational Psychiatry*, **2019**, 9, 93	8.6	12
167	Correspondence between cerebral glucose metabolism and BOLD reveals relative power and cost in human brain. *Nature Communications*, **2019**, 10, 690	17.4	35
166	Ghrelin reductions following bariatric surgery were associated with decreased resting state activity in the hippocampus. *International Journal of Obesity*, **2019**, 43, 842-851	5.5	33
165	Structural changes in brain regions involved in executive-control and self-referential processing after sleeve gastrectomy in obese patients. *Brain Imaging and Behavior*, **2019**, 13, 830-840	4.1	24
164	The NIH Common Fund/Roadmap Epigenomics Program: Successes of a comprehensive consortium. *Science Advances*, **2019**, 5, eaaw6507	14.3	18
163	Association Between Reduced Brain Glucose Metabolism and Cortical Thickness in Alcoholics: Evidence of Neurotoxicity. *International Journal of Neuropsychopharmacology*, **2019**, 22, 548-559	5.8	12
162	Opioid-galanin receptor heteromers mediate the dopaminergic effects of opioids. *Journal of Clinical Investigation*, **2019**, 129, 2730-2744	15.9	20
161	Detecting neuroinflammation in the brain following chronic alcohol exposure in rats: A comparison between in vivo and in vitro TSPO radioligand binding. *European Journal of Neuroscience*, **2019**, 50, 1831-1842	3.5	14
160	Neural correlates of visual attention in alcohol use disorder. *Drug and Alcohol Dependence*, **2019**, 194, 430-437	4.9	14
159	Neurofunctional Domains Derived From Deep Behavioral Phenotyping in Alcohol Use Disorder. *American Journal of Psychiatry*, **2019**, 176, 744-753	11.9	46
158	Prevention and Treatment of Opioid Misuse and Addiction: A Review. *JAMA Psychiatry*, **2019**, 76, 208-216	14.5	217

157	Hemodynamic and neuronal responses to cocaine differ in awake versus anesthetized animals: Optical brain imaging study. *NeuroImage*, **2019**, 188, 188-197	7.9	8
156	Enhanced neuronal and blunted hemodynamic reactivity to cocaine in the prefrontal cortex following extended cocaine access: optical imaging study in anesthetized rats. *Addiction Biology*, **2019**, 24, 485-497	4.6	6
155	Cocaine Decreases Spontaneous Neuronal Activity and Increases Low-Frequency Neuronal and Hemodynamic Cortical Oscillations. *Cerebral Cortex*, **2019**, 29, 1594-1606	5.1	3
154	Medication development in opioid addiction: Meaningful clinical end points. *Science Translational Medicine*, **2018**, 10,	17.5	25
153	The conception of the ABCD study: From substance use to a broad NIH collaboration. *Developmental Cognitive Neuroscience*, **2018**, 32, 4-7	5.5	253
152	Use and Misuse of Opioids in Chronic Pain. *Annual Review of Medicine*, **2018**, 69, 451-465	17.4	118
151	An Autonomic Network: Synchrony Between Slow Rhythms of Pulse and Brain Resting State Is Associated with Personality and Emotions. *Cerebral Cortex*, **2018**, 28, 3356-3371	5.1	16
150	Methylation of the dopamine transporter gene in blood is associated with striatal dopamine transporter availability in ADHD: A preliminary study. *European Journal of Neuroscience*, **2018**, 48, 1884-1895	3.5	17
149	Bariatric surgery in obese patients reduced resting connectivity of brain regions involved with self-referential processing. *Human Brain Mapping*, **2018**, 39, 4755-4765	5.9	28
148	Helping to End Addiction Over the Long-term: The Research Plan for the NIH HEAL Initiative. *JAMA - Journal of the American Medical Association*, **2018**, 320, 129-130	27.4	88
147	Ketogenic Diet Suppresses Alcohol Withdrawal Syndrome in Rats. *Alcoholism: Clinical and Experimental Research*, **2018**, 42, 270-277	3.7	17
146	Neuroethics for the National Institutes of Health BRAIN Initiative. *Journal of Neuroscience*, **2018**, 38, 10583-10585	6.6	16
145	Influence of alcoholism and cholesterol on TSPO binding in brain: PET [C]PBR28 studies in humans and rodents. *Neuropsychopharmacology*, **2018**, 43, 1832-1839	8.7	44
144	Synchronized Astrocytic Ca Responses in Neurovascular Coupling during Somatosensory Stimulation and for the Resting State. *Cell Reports*, **2018**, 23, 3878-3890	10.6	33
143	Neurochemical and metabolic effects of acute and chronic alcohol in the human brain: Studies with positron emission tomography. *Neuropharmacology*, **2017**, 122, 175-188	5.5	56
142	New Repeat Polymorphism in the Gene Predicts Striatal Dopamine D2/D3 Receptor Availability and Stimulant-Induced Dopamine Release in the Healthy Human Brain. *Journal of Neuroscience*, **2017**, 37, 4982-4991	6.6	13
141	Drug use disorders: impact of a public health rather than a criminal justice approach. *World Psychiatry*, **2017**, 16, 213-214	14.4	44
140	Dynamic brain glucose metabolism identifies anti-correlated cortical-cerebellar networks at rest. *Journal of Cerebral Blood Flow and Metabolism*, **2017**, 37, 3659-3670	7.3	31

139	The Role of Science in Addressing the Opioid Crisis. *New England Journal of Medicine*, **2017**, 377, 391-394	59.2	311
138	The dopamine motive system: implications for drug and food addiction. *Nature Reviews Neuroscience*, **2017**, 18, 741-752	13.5	449
137	Striatal Dopamine D2/D3 Receptor Availability Varies Across Smoking Status. *Neuropsychopharmacology*, **2017**, 42, 2325-2332	8.7	19
136	Cerebrovascular adaptations to cocaine-induced transient ischemic attacks in the rodent brain. *JCI Insight*, **2017**, 2, e90809	9.9	13
135	Neurobiologic Advances from the Brain Disease Model of Addiction. *New England Journal of Medicine*, **2016**, 374, 363-71	59.2	892
134	Cocaine-Induced Abnormal Cerebral Hemodynamic Responses to Forepaw Stimulation Assessed by Integrated Multi-wavelength Spectroimaging and Laser Speckle Contrast Imaging. *IEEE Journal of Selected Topics in Quantum Electronics*, **2016**, 22,	3.8	14
133	Chronic cocaine disrupts neurovascular networks and cerebral function: optical imaging studies in rodents. *Journal of Biomedical Optics*, **2016**, 21, 26006	3.5	18
132	Effects of Cannabis Use on Human Behavior, Including Cognition, Motivation, and Psychosis: A Review. *JAMA Psychiatry*, **2016**, 73, 292-7	14.5	455
131	Mitigation Strategies for Opioid Abuse. *New England Journal of Medicine*, **2016**, 375, 96	59.2	3
130	Opioid Abuse in Chronic Pain--Misconceptions and Mitigation Strategies. *New England Journal of Medicine*, **2016**, 374, 1253-63	59.2	722
129	Cannabis Abusers Show Hypofrontality and Blunted Brain Responses to a Stimulant Challenge in Females but not in Males. *Neuropsychopharmacology*, **2016**, 41, 2596-605	8.7	47
128	Neurobiology of addiction: a neurocircuitry analysis. *Lancet Psychiatry,the*, **2016**, 3, 760-773	23.3	1384
127	Alcohol decreases baseline brain glucose metabolism more in heavy drinkers than controls but has no effect on stimulation-induced metabolic increases. *Journal of Neuroscience*, **2015**, 35, 3248-55	6.6	31
126	The Brain on Drugs: From Reward to Addiction. *Cell*, **2015**, 162, 712-25	56.2	705
125	Overlapping patterns of brain activation to food and cocaine cues in cocaine abusers: association to striatal D2/D3 receptors. *Human Brain Mapping*, **2015**, 36, 120-36	5.9	83
124	Beliefs modulate the effects of drugs on the human brain. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 2301-2	11.5	4
123	BMI modulates calorie-dependent dopamine changes in accumbens from glucose intake. *PLoS ONE*, **2014**, 9, e101585	3.7	30
122	Decreased dopamine brain reactivity in marijuana abusers is associated with negative emotionality and addiction severity. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, E3149-56	11.5	131

121	Medication-assisted therapies--tackling the opioid-overdose epidemic. *New England Journal of Medicine*, **2014**, 370, 2063-6	59.2	664
120	The addictive dimensionality of obesity. *Biological Psychiatry*, **2013**, 73, 811-8	7.9	255
119	Acute alcohol intoxication decreases glucose metabolism but increases acetate uptake in the human brain. *NeuroImage*, **2013**, 64, 277-83	7.9	70
118	Chronic cocaine dampens dopamine signaling during cocaine intoxication and unbalances D1 over D2 receptor signaling. *Journal of Neuroscience*, **2013**, 33, 15827-36	6.6	48
117	Energetic cost of brain functional connectivity. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 13642-7	11.5	331
116	Long-term stimulant treatment affects brain dopamine transporter level in patients with attention deficit hyperactive disorder. *PLoS ONE*, **2013**, 8, e63023	3.7	69
115	Addiction circuitry in the human brain. *Annual Review of Pharmacology and Toxicology*, **2012**, 52, 321-36	17.9	384
114	New medications for substance use disorders: challenges and opportunities. *Neuropsychopharmacology*, **2012**, 37, 290-2	8.7	47
113	Methylphenidate-elicited dopamine increases in ventral striatum are associated with long-term symptom improvement in adults with attention deficit hyperactivity disorder. *Journal of Neuroscience*, **2012**, 32, 841-9	6.6	143
112	Evidence that sleep deprivation downregulates dopamine D2R in ventral striatum in the human brain. *Journal of Neuroscience*, **2012**, 32, 6711-7	6.6	151
111	Imaging separation of neuronal from vascular effects of cocaine on rat cortical brain in vivo. *NeuroImage*, **2011**, 54, 1130-9	7.9	30
110	Dysfunction of the prefrontal cortex in addiction: neuroimaging findings and clinical implications. *Nature Reviews Neuroscience*, **2011**, 12, 652-69	13.5	1586
109	Enhanced striatal dopamine release during food stimulation in binge eating disorder. *Obesity*, **2011**, 19, 1601-8	8	212
108	Addiction: beyond dopamine reward circuitry. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 15037-42	11.5	594
107	Acute cocaine induces fast activation of D1 receptor and progressive deactivation of D2 receptor striatal neurons: in vivo optical microprobe [Ca2+]i imaging. *Journal of Neuroscience*, **2011**, 31, 13180-90	6.6	57
106	Genotype and ancestry modulate brain DAT availability in healthy humans. *PLoS ONE*, **2011**, 6, e22754	3.7	46
105	Genomic features of the human dopamine transporter gene and its potential epigenetic States: implications for phenotypic diversity. *PLoS ONE*, **2010**, 5, e11067	3.7	57
104	Functional connectivity density mapping. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 9885-90	11.5	461

103	Neurocircuitry of addiction. *Neuropsychopharmacology*, **2010**, 35, 217-38	8.7	3389
102	Addiction: decreased reward sensitivity and increased expectation sensitivity conspire to overwhelm the brain control circuit. *BioEssays*, **2010**, 32, 748-55	4.1	304
101	Anterior cingulate cortex hypoactivations to an emotionally salient task in cocaine addiction. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 9453-8	11.5	139
100	Evidence of gender differences in the ability to inhibit brain activation elicited by food stimulation. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 1249-54	11.5	180
99	Dopaminergic response to drug words in cocaine addiction. *Journal of Neuroscience*, **2009**, 29, 6001-6	6.6	104
98	Evaluating dopamine reward pathway in ADHD: clinical implications. *JAMA - Journal of the American Medical Association*, **2009**, 302, 1084-91	27.4	417
97	Inverse association between BMI and prefrontal metabolic activity in healthy adults. *Obesity*, **2009**, 17, 60-5	8	246
96	Differential effects of anesthetics on cocaine pharmacokinetic and pharmacodynamic effects in brain. *European Journal of Neuroscience*, **2009**, 30, 1565-75	3.5	28
95	Dopamine increases in striatum do not elicit craving in cocaine abusers unless they are coupled with cocaine cues. *NeuroImage*, **2008**, 39, 1266-73	7.9	183
94	Low dopamine striatal D2 receptors are associated with prefrontal metabolism in obese subjects: possible contributing factors. *NeuroImage*, **2008**, 42, 1537-43	7.9	421
93	Sleep deprivation decreases binding of [11C]raclopride to dopamine D2/D3 receptors in the human brain. *Journal of Neuroscience*, **2008**, 28, 8454-61	6.6	148
92	Overlapping neuronal circuits in addiction and obesity: evidence of systems pathology. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2008**, 363, 3191-200	5.8	595
91	Etiologic subtypes of attention-deficit/hyperactivity disorder: brain imaging, molecular genetic and environmental factors and the dopamine hypothesis. *Neuropsychology Review*, **2007**, 17, 39-59	7.7	416
90	Is decreased prefrontal cortical sensitivity to monetary reward associated with impaired motivation and self-control in cocaine addiction?. *American Journal of Psychiatry*, **2007**, 164, 43-51	11.9	204
89	Profound decreases in dopamine release in striatum in detoxified alcoholics: possible orbitofrontal involvement. *Journal of Neuroscience*, **2007**, 27, 12700-6	6.6	362
88	Cocaine increases the intracellular calcium concentration in brain independently of its cerebrovascular effects. *Journal of Neuroscience*, **2006**, 26, 11522-31	6.6	47
87	Low doses of alcohol substantially decrease glucose metabolism in the human brain. *NeuroImage*, **2006**, 29, 295-301	7.9	78
86	Effects of expectation on the brain metabolic responses to methylphenidate and to its placebo in non-drug abusing subjects. *NeuroImage*, **2006**, 32, 1782-92	7.9	89

85	Activation of orbital and medial prefrontal cortex by methylphenidate in cocaine-addicted subjects but not in controls: relevance to addiction. *Journal of Neuroscience*, **2005**, 25, 3932-9	6.6	262
84	How can drug addiction help us understand obesity?. *Nature Neuroscience*, **2005**, 8, 555-60	25.5	852
83	The neural basis of addiction: a pathology of motivation and choice. *American Journal of Psychiatry*, **2005**, 162, 1403-13	11.9	2315
82	Similarity between obesity and drug addiction as assessed by neurofunctional imaging: a concept review. *Journal of Addictive Diseases*, **2004**, 23, 39-53	1.7	398
81	Evidence that methylphenidate enhances the saliency of a mathematical task by increasing dopamine in the human brain. *American Journal of Psychiatry*, **2004**, 161, 1173-80	11.9	207
80	Exposure to appetitive food stimuli markedly activates the human brain. *NeuroImage*, **2004**, 21, 1790-7	7.9	303
79	The addicted human brain: insights from imaging studies. *Journal of Clinical Investigation*, **2003**, 111, 1444-51	15.9	588
78	Expectation enhances the regional brain metabolic and the reinforcing effects of stimulants in cocaine abusers. *Journal of Neuroscience*, **2003**, 23, 11461-8	6.6	263
77	Cardiovascular effects of methylphenidate in humans are associated with increases of dopamine in brain and of epinephrine in plasma. *Psychopharmacology*, **2003**, 166, 264-70	4.7	74
76	Positron emission tomography and its use to image the occupancy of drug binding sites. *Drug Development Research*, **2003**, 59, 194-207	5.1	10
75	Brain dopamine is associated with eating behaviors in humans. *International Journal of Eating Disorders*, **2003**, 33, 136-42	6.3	172
74	Alcohol Intoxication Induces Greater Reductions in Brain Metabolism in Male Than in Female Subjects. *Alcoholism: Clinical and Experimental Research*, **2003**, 27, 909-917	3.7	42
73	Changes in brain functional homogeneity in subjects with Alzheimer's disease. *Psychiatry Research - Neuroimaging*, **2002**, 114, 39-50	2.9	33
72	Relationship between blockade of dopamine transporters by oral methylphenidate and the increases in extracellular dopamine: therapeutic implications. *Synapse*, **2002**, 43, 181-7	2.4	236
71	"Nonhedonic" food motivation in humans involves dopamine in the dorsal striatum and methylphenidate amplifies this effect. *Synapse*, **2002**, 44, 175-80	2.4	349
70	Brain DA D2 receptors predict reinforcing effects of stimulants in humans: replication study. *Synapse*, **2002**, 46, 79-82	2.4	199
69	Drug addiction and its underlying neurobiological basis: neuroimaging evidence for the involvement of the frontal cortex. *American Journal of Psychiatry*, **2002**, 159, 1642-52	11.9	1986
68	Role of dopamine, the frontal cortex and memory circuits in drug addiction: insight from imaging studies. *Neurobiology of Learning and Memory*, **2002**, 78, 610-24	3.1	386

67	Effects of endogenous neurotransmitters on the in vivo binding of dopamine and 5-HT radiotracers in mice. *Neuropsychopharmacology*, **2001**, 25, 679-89	8.7	21
66	Low level of brain dopamine D2 receptors in methamphetamine abusers: association with metabolism in the orbitofrontal cortex. *American Journal of Psychiatry*, **2001**, 158, 2015-21	11.9	740
65	[(11)]Cocaine: PET studies of cocaine pharmacokinetics, dopamine transporter availability and dopamine transporter occupancy. *Nuclear Medicine and Biology*, **2001**, 28, 561-72	2.1	59
64	Brain dopamine and obesity. *Lancet, The*, **2001**, 357, 354-7	40	1365
63	Therapeutic doses of oral methylphenidate significantly increase extracellular dopamine in the human brain. *Journal of Neuroscience*, **2001**, 21, RC121	6.6	511
62	Occupancy of brain nicotinic acetylcholine receptors by nicotine doses equivalent to those obtained when smoking a cigarette. *Synapse*, **2000**, 35, 234-7	2.4	22
61	Measurements of human brain ethanol T(2) by spectroscopic imaging at 4 T. *Magnetic Resonance in Medicine*, **2000**, 44, 35-40	4.4	14
60	Resting brain metabolic activity in a 4 tesla magnetic field. *Magnetic Resonance in Medicine*, **2000**, 44, 701-5	4.4	7
59	Synergistic interactions between nicotine and cocaine or methylphenidate depend on the dose of dopamine transporter inhibitor. *Synapse*, **2000**, 38, 432-7	2.4	85
58	Locomotor activity and occupancy of brain cannabinoid CB1 receptors by the antagonist/inverse agonist AM281. *Synapse*, **2000**, 38, 477-82	2.4	52
57	Sensitivity of binding of high-affinity dopamine receptor radioligands to increased synaptic dopamine. *Synapse*, **2000**, 38, 483-8	2.4	9
56	Cannabinoid receptor-mediated inhibition of acetylcholine release from hippocampal and cortical synaptosomes. *British Journal of Pharmacology*, **2000**, 131, 645-50	8.6	57
55	Regional Brain Metabolism During Alcohol Intoxication. *Alcoholism: Clinical and Experimental Research*, **2000**, 24, 822-829	3.7	73
54	4.0 T Water Proton T1 Relaxation Times in Normal Human Brain and During Acute Ethanol Intoxication. *Alcoholism: Clinical and Experimental Research*, **2000**, 24, 830-836	3.7	9
53	Effect of amphetamine-induced dopamine release on radiotracer binding to D1 and D2 receptors in rat brain striatal slices. *Naunyn-Schmiedebergs Archives of Pharmacology*, **2000**, 362, 413-8	3.4	13
52	Association between age-related decline in brain dopamine activity and impairment in frontal and cingulate metabolism. *American Journal of Psychiatry*, **2000**, 157, 75-80	11.9	232
51	Addiction, a disease of compulsion and drive: involvement of the orbitofrontal cortex. *Cerebral Cortex*, **2000**, 10, 318-25	5.1	886
50	Regional Brain Metabolism During Alcohol Intoxication **2000**, 24, 822		2

49	Attempts to replicate the claim of James Q at NSLS beam line X12B. *Synchrotron Radiation News*, **1999**, 12, 34-36	0.6	7
48	Dopamine-transporter occupancy after intravenous doses of cocaine and methylphenidate in mice and humans. *Psychopharmacology*, **1999**, 146, 93-100	4.7	109
47	Distribution of tracer levels of cocaine in the human brain as assessed with averaged [11C]cocaine images. *Synapse*, **1999**, 31, 290-6	2.4	24
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