

Nora D Volkow

List of Publications by Year in descending order

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244
papers

53,843
citations

4584

88
h-index

1551

223
g-index

249
all docs

249
docs citations

249
times ranked

38995
citing authors

#	ARTICLE	IF	CITATIONS
1	Neurocircuitry of Addiction. <i>Neuropsychopharmacology</i> , 2010, 35, 217-238.	2.8	4,187
2	The Neural Basis of Addiction: A Pathology of Motivation and Choice. <i>American Journal of Psychiatry</i> , 2005, 162, 1403-1413.	4.0	2,651
3	Drug Addiction and Its Underlying Neurobiological Basis: Neuroimaging Evidence for the Involvement of the Frontal Cortex. <i>American Journal of Psychiatry</i> , 2002, 159, 1642-1652.	4.0	2,353
4	Neurobiology of addiction: a neurocircuitry analysis. <i>Lancet Psychiatry</i> , 2016, 3, 760-773.	3.7	2,225
5	Dysfunction of the prefrontal cortex in addiction: neuroimaging findings and clinical implications. <i>Nature Reviews Neuroscience</i> , 2011, 12, 652-669.	4.9	2,029
6	Brain dopamine and obesity. <i>Lancet</i> , 2001, 357, 354-357.	6.3	1,599
7	Distribution Volume Ratios without Blood Sampling from Graphical Analysis of PET Data. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1996, 16, 834-840.	2.4	1,351
8	Graphical Analysis of Reversible Radioligand Binding from Time-Activity Measurements Applied to [¹¹ C-Methyl]-(α)-Cocaine PET Studies in Human Subjects. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1990, 10, 740-747.	2.4	1,295
9	Neurobiologic Advances from the Brain Disease Model of Addiction. <i>New England Journal of Medicine</i> , 2016, 374, 363-371.	13.9	1,244
10	Addiction, a Disease of Compulsion and Drive: Involvement of the Orbitofrontal Cortex. <i>Cerebral Cortex</i> , 2000, 10, 318-325.	1.6	1,062
11	Opioid Abuse in Chronic Pain – Misconceptions and Mitigation Strategies. <i>New England Journal of Medicine</i> , 2016, 374, 1253-1263.	13.9	970
12	How can drug addiction help us understand obesity?. <i>Nature Neuroscience</i> , 2005, 8, 555-560.	7.1	967
13	The Brain on Drugs: From Reward to Addiction. <i>Cell</i> , 2015, 162, 712-725.	13.5	957
14	Low Level of Brain Dopamine D2Receptors in Methamphetamine Abusers: Association With Metabolism in the Orbitofrontal Cortex. <i>American Journal of Psychiatry</i> , 2001, 158, 2015-2021.	4.0	840
15	Decreased dopamine D2 receptor availability is associated with reduced frontal metabolism in cocaine abusers. <i>Synapse</i> , 1993, 14, 169-177.	0.6	836
16	Medication-Assisted Therapies – Tackling the Opioid-Overdose Epidemic. <i>New England Journal of Medicine</i> , 2014, 370, 2063-2066.	13.9	836
17	Dopamine Transporter Occupancies in the Human Brain Induced by Therapeutic Doses of Oral Methylphenidate. <i>American Journal of Psychiatry</i> , 1998, 155, 1325-1331.	4.0	826
18	The addicted human brain: insights from imaging studies. <i>Journal of Clinical Investigation</i> , 2003, 111, 1444-1451.	3.9	742

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19	Addiction: Beyond dopamine reward circuitry. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 15037-15042.	3.3	733
20	Overlapping neuronal circuits in addiction and obesity: evidence of systems pathology. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 3191-3200.	1.8	700
21	The dopamine motive system: implications for drug and food addiction. Nature Reviews Neuroscience, 2017, 18, 741-752.	4.9	658
22	Effects of Cannabis Use on Human Behavior, Including Cognition, Motivation, and Psychosis: A Review. JAMA Psychiatry, 2016, 73, 292.	6.0	621
23	Therapeutic Doses of Oral Methylphenidate Significantly Increase Extracellular Dopamine in the Human Brain. Journal of Neuroscience, 2001, 21, RC121-RC121.	1.7	605
24	Collision of the COVID-19 and Addiction Epidemics. Annals of Internal Medicine, 2020, 173, 61-62.	2.0	587
25	Functional connectivity density mapping. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9885-9890.	3.3	546
26	Is Methylphenidate Like Cocaine?. Archives of General Psychiatry, 1995, 52, 456.	13.8	539
27	Decreases in Dopamine Receptors but not in Dopamine Transporters in Alcoholics. Alcoholism: Clinical and Experimental Research, 1996, 20, 1594-1598.	1.4	530
28	Evaluating Dopamine Reward Pathway in ADHD. JAMA - Journal of the American Medical Association, 2009, 302, 1084.	3.8	518
29	The conception of the ABCD study: From substance use to a broad NIH collaboration. Developmental Cognitive Neuroscience, 2018, 32, 4-7.	1.9	516
30	Etiologic Subtypes of Attention-Deficit/Hyperactivity Disorder: Brain Imaging, Molecular Genetic and Environmental Factors and the Dopamine Hypothesis. Neuropsychology Review, 2007, 17, 39-59.	2.5	510
31	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.	4.8	491
32	Low dopamine striatal D2 receptors are associated with prefrontal metabolism in obese subjects: Possible contributing factors. NeuroImage, 2008, 42, 1537-1543.	2.1	488
33	Addiction Circuitry in the Human Brain. Annual Review of Pharmacology and Toxicology, 2012, 52, 321-336.	4.2	461
34	Similarity Between Obesity and Drug Addiction as Assessed by Neurofunctional Imaging. Journal of Addictive Diseases, 2004, 23, 39-53.	0.8	458
35	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.	4.1	455
36	Energetic cost of brain functional connectivity. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13642-13647.	3.3	445

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37	Role of Dopamine, the Frontal Cortex and Memory Circuits in Drug Addiction: Insight from Imaging Studies. <i>Neurobiology of Learning and Memory</i> , 2002, 78, 610-624.	1.0	441
38	Profound Decreases in Dopamine Release in Striatum in Detoxified Alcoholics: Possible Orbitofrontal Involvement. <i>Journal of Neuroscience</i> , 2007, 27, 12700-12706.	1.7	425
39	The Role of Science in Addressing the Opioid Crisis. <i>New England Journal of Medicine</i> , 2017, 377, 391-394.	13.9	424
40	Addiction: Decreased reward sensitivity and increased expectation sensitivity conspire to overwhelm the brain's control circuit. <i>BioEssays</i> , 2010, 32, 748-755.	1.2	404
41	Long-Term frontal brain metabolic changes in cocaine abusers. <i>Synapse</i> , 1992, 11, 184-190.	0.6	402
42	?Nonhedonic? food motivation in humans involves dopamine in the dorsal striatum and methylphenidate amplifies this effect. <i>Synapse</i> , 2002, 44, 175-180.	0.6	400
43	Prevention and Treatment of Opioid Misuse and Addiction. <i>JAMA Psychiatry</i> , 2019, 76, 208.	6.0	388
44	Imaging endogenous dopamine competition with [11C]raclopride in the human brain. <i>Synapse</i> , 1994, 16, 255-262.	0.6	362
45	The Neuroscience of Drug Reward and Addiction. <i>Physiological Reviews</i> , 2019, 99, 2115-2140.	13.1	349
46	Cerebral Blood Flow in Chronic Cocaine Users: A Study with Positron Emission Tomography. <i>British Journal of Psychiatry</i> , 1988, 152, 641-648.	1.7	346
47	Exposure to appetitive food stimuli markedly activates the human brain. <i>NeuroImage</i> , 2004, 21, 1790-1797.	2.1	330
48	The Addictive Dimensionality of Obesity. <i>Biological Psychiatry</i> , 2013, 73, 811-818.	0.7	314
49	Expectation Enhances the Regional Brain Metabolic and the Reinforcing Effects of Stimulants in Cocaine Abusers. <i>Journal of Neuroscience</i> , 2003, 23, 11461-11468.	1.7	293
50	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> , 2005, 25, 3932-3939.	1.7	285
51	Opioid use disorder. <i>Nature Reviews Disease Primers</i> , 2020, 6, 3.	18.1	278
52	Management of opioid use disorder in the USA: present status and future directions. <i>Lancet, The</i> , 2019, 393, 1760-1772.	6.3	277
53	Inverse Association Between BMI and Prefrontal Metabolic Activity in Healthy Adults. <i>Obesity</i> , 2009, 17, 60-65.	1.5	276
54	Relationship between blockade of dopamine transporters by oral methylphenidate and the increases in extracellular dopamine: Therapeutic implications. <i>Synapse</i> , 2002, 43, 181-187.	0.6	273

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55	Association Between Age-Related Decline in Brain Dopamine Activity and Impairment in Frontal and Cingulate Metabolism. <i>American Journal of Psychiatry</i> , 2000, 157, 75-80.	4.0	261
56	Enhanced Striatal Dopamine Release During Food Stimulation in Binge Eating Disorder. <i>Obesity</i> , 2011, 19, 1601-1608.	1.5	260
57	Brain DA D2 receptors predict reinforcing effects of stimulants in humans: Replication study. <i>Synapse</i> , 2002, 46, 79-82.	0.6	242
58	Evidence That Methylphenidate Enhances the Saliency of a Mathematical Task by Increasing Dopamine in the Human Brain. <i>American Journal of Psychiatry</i> , 2004, 161, 1173-1180.	4.0	241
59	Dopamine D2 Receptor Availability in Opiate-Dependent Subjects before and after Naloxone-Precipitated Withdrawal. <i>Neuropsychopharmacology</i> , 1997, 16, 174-182.	2.8	240
60	Is Decreased Prefrontal Cortical Sensitivity to Monetary Reward Associated With Impaired Motivation and Self-Control in Cocaine Addiction?. <i>American Journal of Psychiatry</i> , 2007, 164, 43-51.	4.0	229
61	Dopamine increases in striatum do not elicit craving in cocaine abusers unless they are coupled with cocaine cues. <i>NeuroImage</i> , 2008, 39, 1266-1273.	2.1	208
62	Brain default-mode network dysfunction in addiction. <i>NeuroImage</i> , 2019, 200, 313-331.	2.1	208
63	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> , 2009, 106, 1249-1254.	3.3	207
64	Evidence That Sleep Deprivation Downregulates Dopamine D2R in Ventral Striatum in the Human Brain. <i>Journal of Neuroscience</i> , 2012, 32, 6711-6717.	1.7	203
65	Brain dopamine is associated with eating behaviors in humans. <i>International Journal of Eating Disorders</i> , 2003, 33, 136-142.	2.1	197
66	The changing opioid crisis: development, challenges and opportunities. <i>Molecular Psychiatry</i> , 2021, 26, 218-233.	4.1	197
67	Use and Misuse of Opioids in Chronic Pain. <i>Annual Review of Medicine</i> , 2018, 69, 451-465.	5.0	190
68	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> , 2012, 32, 841-849.	1.7	181
69	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> , 2014, 111, E3149-56.	3.3	180
70	A novel strategy for the treatment of cocaine addiction. , 1998, 30, 119-129.		177
71	Glutamate Modulation of Dopamine Measured in Vivo with Positron Emission Tomography (PET) and 11C-Raclopride in Normal Human Subjects. <i>Neuropsychopharmacology</i> , 1998, 18, 18-25.	2.8	174
72	Sleep Deprivation Decreases Binding of [¹¹ C]Raclopride to Dopamine D ₂ /D ₃ Receptors in the Human Brain. <i>Journal of Neuroscience</i> , 2008, 28, 8454-8461.	1.7	168

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73	Acute effects of ethanol on regional brain glucose metabolism and transport. <i>Psychiatry Research - Neuroimaging</i> , 1990, 35, 39-48.	0.9	163
74	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> , 2009, 106, 9453-9458.	3.3	157
75	Slow recovery of human brain MAO B after L-Deprenyl (Selegeline) withdrawal. <i>Synapse</i> , 1994, 18, 86-93.	0.6	155
76	Effects of Blood Flow on [¹¹ C]Raclopride Binding in the Brain: Model Simulations and Kinetic Analysis of PET Data. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1994, 14, 995-1010.	2.4	150
77	Helping to End Addiction Over the Long-term. <i>JAMA - Journal of the American Medical Association</i> , 2018, 320, 129.	3.8	134
78	Dopamine-transporter occupancy after intravenous doses of cocaine and methylphenidate in mice and humans. <i>Psychopharmacology</i> , 1999, 146, 93-100.	1.5	128
79	Mapping muscarinic receptors in human and baboon brain using [N-11C-methyl]-benztropine. <i>Synapse</i> , 1990, 5, 213-223.	0.6	118
80	GABAergic attenuation of cocaine-induced dopamine release and locomotor activity. <i>Synapse</i> , 1997, 25, 393-398.	0.6	118
81	Dopaminergic Response to Drug Words in Cocaine Addiction. <i>Journal of Neuroscience</i> , 2009, 29, 6001-6006.	1.7	117
82	Stigma and the Toll of Addiction. <i>New England Journal of Medicine</i> , 2020, 382, 1289-1290.	13.9	112
83	Cocaine Addiction. <i>Journal of Addictive Diseases</i> , 1996, 15, 55-71.	0.8	110
84	Effects of expectation on the brain metabolic responses to methylphenidate and to its placebo in non-drug abusing subjects. <i>NeuroImage</i> , 2006, 32, 1782-1792.	2.1	106
85	Imaging the Brain Marijuana Receptor: Development of a Radioligand that Binds to Cannabinoid CB1 Receptors In Vivo. <i>Journal of Neurochemistry</i> , 1998, 70, 417-423.	2.1	105
86	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> , 2022, 21, 124-132.	4.8	105
87	Overlapping patterns of brain activation to food and cocaine cues in cocaine abusers. <i>Human Brain Mapping</i> , 2015, 36, 120-136.	1.9	102
88	Long-Term Stimulant Treatment Affects Brain Dopamine Transporter Level in Patients with Attention Deficit Hyperactive Disorder. <i>PLoS ONE</i> , 2013, 8, e63023.	1.1	99
89	Low doses of alcohol substantially decrease glucose metabolism in the human brain. <i>NeuroImage</i> , 2006, 29, 295-301.	2.1	98
90	Dr. Volkow and Associates Reply. <i>American Journal of Psychiatry</i> , 1991, 148, 1759-b-1760.	4.0	97

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91	Synergistic interactions between nicotine and cocaine or methylphenidate depend on the dose of dopamine transporter inhibitor. <i>Synapse</i> , 2000, 38, 432-437.	0.6	91
92	Neurofunctional Domains Derived From Deep Behavioral Phenotyping in Alcohol Use Disorder. <i>American Journal of Psychiatry</i> , 2019, 176, 744-753.	4.0	91
93	Amphetamine induced decreases in (18F)-N-methylspiroperidol binding in the baboon brain using positron emission tomography (PET). <i>Synapse</i> , 1991, 7, 324-327.	0.6	90
94	Cardiovascular effects of methylphenidate in humans are associated with increases of dopamine in brain and of epinephrine in plasma. <i>Psychopharmacology</i> , 2003, 166, 264-270.	1.5	89
95	Acute alcohol intoxication decreases glucose metabolism but increases acetate uptake in the human brain. <i>NeuroImage</i> , 2013, 64, 277-283.	2.1	88
96	Regional Brain Metabolism During Alcohol Intoxication. <i>Alcoholism: Clinical and Experimental Research</i> , 2000, 24, 822-829.	1.4	85
97	Neurochemical and metabolic effects of acute and chronic alcohol in the human brain: Studies with positron emission tomography. <i>Neuropharmacology</i> , 2017, 122, 175-188.	2.0	85
98	Personalizing the Treatment of Substance Use Disorders. <i>American Journal of Psychiatry</i> , 2020, 177, 113-116.	4.0	84
99	Regional Brain Metabolic Response to Lorazepam in Subjects at Risk for Alcoholism. <i>Alcoholism: Clinical and Experimental Research</i> , 1995, 19, 510-516.	1.4	82
100	Regional Brain Metabolic Response to Lorazepam in Alcoholics during Early and Late Alcohol Detoxification. <i>Alcoholism: Clinical and Experimental Research</i> , 1997, 21, 1278-1284.	1.4	82
101	Acute Cocaine Induces Fast Activation of D1 Receptor and Progressive Deactivation of D2 Receptor Striatal Neurons: <i>In Vivo</i> Optical Microprobe [Ca ²⁺] _i Imaging. <i>Journal of Neuroscience</i> , 2011, 31, 13180-13190.	1.7	82
102	Drug use disorders: impact of a public health rather than a criminal justice approach. <i>World Psychiatry</i> , 2017, 16, 213-214.	4.8	74
103	Drugs, sleep, and the addicted brain. <i>Neuropsychopharmacology</i> , 2020, 45, 3-5.	2.8	73
104	Design and synthesis of the CB1 selective cannabinoid antagonist AM281: A potential human SPECT ligand. <i>AAPS PharmSci</i> , 1999, 1, 39-45.	1.3	71
105	[11]Cocaine: PET studies of cocaine pharmacokinetics, dopamine transporter availability and dopamine transporter occupancy. <i>Nuclear Medicine and Biology</i> , 2001, 28, 561-572.	0.3	71
106	Mapping nicotinic acetylcholine receptors with PET. , 1996, 24, 403-407.		70
107	Cannabinoid receptor-mediated inhibition of acetylcholine release from hippocampal and cortical synaptosomes. <i>British Journal of Pharmacology</i> , 2000, 131, 645-650.	2.7	68
108	Chronic Cocaine Dampens Dopamine Signaling during Cocaine Intoxication and Unbalances D ₁ over D ₂ Receptor Signaling. <i>Journal of Neuroscience</i> , 2013, 33, 15827-15836.	1.7	67

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109	Genomic Features of the Human Dopamine Transporter Gene and Its Potential Epigenetic States: Implications for Phenotypic Diversity. PLoS ONE, 2010, 5, e11067.	1.1	66
110	Correspondence between cerebral glucose metabolism and BOLD reveals relative power and cost in human brain. Nature Communications, 2019, 10, 690.	5.8	62
111	Choosing appropriate language to reduce the stigma around mental illness and substance use disorders. Neuropsychopharmacology, 2021, 46, 2230-2232.	2.8	62
112	Measuring dopamine transporter occupancy by cocaine in vivo: Radiotracer considerations. , 1998, 28, 111-116.		61
113	Cocaine Increases the Intracellular Calcium Concentration in Brain Independently of Its Cerebrovascular Effects. Journal of Neuroscience, 2006, 26, 11522-11531.	1.7	61
114	Brain lesions disrupting addiction map to a common human brain circuit. Nature Medicine, 2022, 28, 1249-1255.	15.2	61
115	Behavioral and Cardiovascular Effects of Intravenous Methylphenidate in Normal Subjects and Cocaine Abusers. European Addiction Research, 1997, 3, 49-54.	1.3	60
116	Cannabis Abusers Show Hypofrontality and Blunted Brain Responses to a Stimulant Challenge in Females but not in Males. Neuropsychopharmacology, 2016, 41, 2596-2605.	2.8	59
117	Influence of alcoholism and cholesterol on TSPO binding in brain: PET [11C]PBR28 studies in humans and rodents. Neuropsychopharmacology, 2018, 43, 1832-1839.	2.8	57
118	Synchronized Astrocytic Ca ²⁺ Responses in Neurovascular Coupling during Somatosensory Stimulation and for the Resting State. Cell Reports, 2018, 23, 3878-3890.	2.9	55
119	America's opioid crisis: the need for an integrated public health approach. Translational Psychiatry, 2020, 10, 167.	2.4	55
120	Locomotor activity and occupancy of brain cannabinoid CB1 receptors by the antagonist/inverse agonist AM281. Synapse, 2000, 38, 477-482.	0.6	53
121	Associations of family income with cognition and brain structure in USA children: prevention implications. Molecular Psychiatry, 2021, 26, 6619-6629.	4.1	53
122	Genotype and Ancestry Modulate Brain's DAT Availability in Healthy Humans. PLoS ONE, 2011, 6, e22754.	1.1	52
123	Adopting the "cascade of care" framework: an opportunity to close the implementation gap in addiction care?. Addiction, 2016, 111, 2079-2081.	1.7	51
124	Concentration and occupancy of dopamine transporters in cocaine abusers with [11C]cocaine and PET. Synapse, 1997, 27, 347-356.	0.6	50
125	Alcohol Intoxication Induces Greater Reductions in Brain Metabolism in Male Than in Female Subjects. Alcoholism: Clinical and Experimental Research, 2003, 27, 909-917.	1.4	50
126	Ghrelin reductions following bariatric surgery were associated with decreased resting state activity in the hippocampus. International Journal of Obesity, 2019, 43, 842-851.	1.6	50

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127	New Medications for Substance Use Disorders: Challenges and Opportunities. <i>Neuropsychopharmacology</i> , 2012, 37, 290-292.	2.8	49
128	Bariatric surgery in obese patients reduced resting connectivity of brain regions involved with self-referential processing. <i>Human Brain Mapping</i> , 2018, 39, 4755-4765.	1.9	46
129	Dynamic brain glucose metabolism identifies anti-correlated cortical-cerebellar networks at rest. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 3659-3670.	2.4	45
130	Imaging separation of neuronal from vascular effects of cocaine on rat cortical brain in vivo. <i>NeuroImage</i> , 2011, 54, 1130-1139.	2.1	44
131	Associations of Suicidality Trends With Cannabis Use as a Function of Sex and Depression Status. <i>JAMA Network Open</i> , 2021, 4, e2113025.	2.8	44
132	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> , 2015, 35, 3248-3255.	1.7	43
133	Changes in brain functional homogeneity in subjects with Alzheimer's disease. <i>Psychiatry Research - Neuroimaging</i> , 2002, 114, 39-50.	0.9	41
134	Ketogenic diet reduces alcohol withdrawal symptoms in humans and alcohol intake in rodents. <i>Science Advances</i> , 2021, 7, .	4.7	41
135	Opioid-galanin receptor heteromers mediate the dopaminergic effects of opioids. <i>Journal of Clinical Investigation</i> , 2019, 129, 2730-2744.	3.9	41
136	Socioeconomic status, BMI, and brain development in children. <i>Translational Psychiatry</i> , 2022, 12, 33.	2.4	41
137	Regional distribution and kinetics of haloperidol binding in human brain: A pet study with [¹⁸ F]haloperidol. <i>Synapse</i> , 1992, 11, 10-19.	0.6	38
138	Medication development in opioid addiction: Meaningful clinical end points. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	38
139	BMI Modulates Calorie-Dependent Dopamine Changes in Accumbens from Glucose Intake. <i>PLoS ONE</i> , 2014, 9, e101585.	1.1	37
140	Opportunities for Research on the Treatment of Substance Use Disorders in the Context of COVID-19. <i>JAMA Psychiatry</i> , 2021, 78, 357.	6.0	36
141	Methylation of the dopamine transporter gene in blood is associated with striatal dopamine transporter availability in ADHD: A preliminary study. <i>European Journal of Neuroscience</i> , 2018, 48, 1884-1895.	1.2	35
142	The NIH Common Fund/Roadmap Epigenomics Program: Successes of a comprehensive consortium. <i>Science Advances</i> , 2019, 5, eaaw6507.	4.7	34
143	The epidemic of fentanyl misuse and overdoses: challenges and strategies. <i>World Psychiatry</i> , 2021, 20, 195-196.	4.8	34
144	Differential effects of anesthetics on cocaine's pharmacokinetic and pharmacodynamic effects in brain. <i>European Journal of Neuroscience</i> , 2009, 30, 1565-1575.	1.2	32

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145	Quantitative autoradiography of cocaine binding sites in human brain postmortem. <i>Synapse</i> , 1992, 10, 126-130.	0.6	31
146	Brain Network Segregation and Glucose Energy Utilization: Relevance for Age-Related Differences in Cognitive Function. <i>Cerebral Cortex</i> , 2020, 30, 5930-5942.	1.6	31
147	Sensitivity of striatal [¹¹ C]cocaine binding to decreases in synaptic dopamine. <i>Synapse</i> , 1995, 20, 137-144.	0.6	30
148	Cocaine doses equivalent to those abused by humans occupy most of the dopamine transporters. , 1996, 24, 399-402.		30
149	Distribution of tracer levels of cocaine in the human brain as assessed with averaged [¹¹ C]cocaine images. , 1999, 31, 290-296.		30
150	Importance of a standard unit dose for cannabis research. <i>Addiction</i> , 2020, 115, 1219-1221.	1.7	30
151	Studies with Differentially Labeled [¹¹ C]Cocaine, [¹¹ C]Norcocaine, [¹¹ C]Benzoylecgonine, and [¹¹ C]and [¹⁸ F]Fluorococaine to Probe the Extent to Which [¹¹ C]Cocaine Metabolites Contribute to PET Images of the Baboon Brain. <i>Journal of Neurochemistry</i> , 1994, 62, 1154-1162.	2.1	29
152	Ketogenic Diet Suppresses Alcohol Withdrawal Syndrome in Rats. <i>Alcoholism: Clinical and Experimental Research</i> , 2018, 42, 270-277.	1.4	29
153	ADGRL3 (LPHN3) variants predict substance use disorder. <i>Translational Psychiatry</i> , 2019, 9, 42.	2.4	29
154	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> , 2019, 13, 830-840.	1.1	28
155	The dopamine transporter gene SLC6A3: multidisease risks. <i>Molecular Psychiatry</i> , 2022, 27, 1031-1046.	4.1	28
156	Evaluation of the importance of rebinding to receptors in slowing the approach to equilibrium of high-affinity PET and SPECT radiotracers. , 1998, 28, 167-175.		27
157	Occupancy of brain nicotinic acetylcholine receptors by nicotine doses equivalent to those obtained when smoking a cigarette. , 2000, 35, 234-237.		24
158	Effects of Endogenous Neurotransmitters on the in vivo Binding of Dopamine and 5-HT Radiotracers in Mice. <i>Neuropsychopharmacology</i> , 2001, 25, 679-689.	2.8	23
159	An Autonomic Network: Synchrony Between Slow Rhythms of Pulse and Brain Resting State Is Associated with Personality and Emotions. <i>Cerebral Cortex</i> , 2018, 28, 3356-3371.	1.6	23
160	Cocaine-induced ischemia in prefrontal cortex is associated with escalation of cocaine intake in rodents. <i>Molecular Psychiatry</i> , 2020, 25, 1759-1776.	4.1	23
161	Striatal Dopamine D2/D3 Receptor Availability Varies Across Smoking Status. <i>Neuropsychopharmacology</i> , 2017, 42, 2325-2332.	2.8	22
162	Association Between Reduced Brain Glucose Metabolism and Cortical Thickness in Alcoholics: Evidence of Neurotoxicity. <i>International Journal of Neuropsychopharmacology</i> , 2019, 22, 548-559.	1.0	22

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163	The role of neurologists in tackling the opioid epidemic. <i>Nature Reviews Neurology</i> , 2019, 15, 301-305.	4.9	22
164	Chronic cocaine disrupts neurovascular networks and cerebral function: optical imaging studies in rodents. <i>Journal of Biomedical Optics</i> , 2016, 21, 026006.	1.4	21
165	Measurements of human brain ethanolT2 by spectroscopic imaging at 4 T. <i>Magnetic Resonance in Medicine</i> , 2000, 44, 35-40.	1.9	20
166	Neuroethics for the National Institutes of Health BRAIN Initiative. <i>Journal of Neuroscience</i> , 2018, 38, 10583-10585.	1.7	20
167	Detecting neuroinflammation in the brain following chronic alcohol exposure in rats: A comparison between in vivo and in vitro TSPO radioligand binding. <i>European Journal of Neuroscience</i> , 2019, 50, 1831-1842.	1.2	20
168	Cocaine-Induced Abnormal Cerebral Hemodynamic Responses to Forepaw Stimulation Assessed by Integrated Multi-Wavelength Spectroimaging and Laser Speckle Contrast Imaging. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016, 22, 146-153.	1.9	19
169	Brain Connectivity, and Hormonal and Behavioral Correlates of Sustained Weight Loss in Obese Patients after Laparoscopic Sleeve Gastrectomy. <i>Cerebral Cortex</i> , 2021, 31, 1284-1295.	1.6	19
170	Drug repurposing for opioid use disorders: integration of computational prediction, clinical corroboration, and mechanism of action analyses. <i>Molecular Psychiatry</i> , 2021, 26, 5286-5296.	4.1	19
171	Regional Cerebral Metabolism in Female Alcoholics of Moderate Severity Does Not Differ From That of Controls. <i>Alcoholism: Clinical and Experimental Research</i> , 1998, 22, 1850-1854.	1.4	18
172	Sleep inconsistency between weekends and weekdays is associated with changes in brain function during task and rest. <i>Sleep</i> , 2020, 43, .	0.6	18
173	Effects of Electroconvulsive Therapy on Brain Glucose Metabolism: A Preliminary Study. <i>Convulsive Therapy</i> , 1988, 4, 199-205.	0.1	18
174	Positron Emission Tomography Studies of Dopamine-Enhancing Drugs. <i>Journal of Clinical Pharmacology</i> , 1999, 39, 13S-16S.	1.0	17
175	Expectation effects on brain dopamine responses to methylphenidate in cocaine use disorder. <i>Translational Psychiatry</i> , 2019, 9, 93.	2.4	17
176	Nutritional Ketosis as a Potential Treatment for Alcohol Use Disorder. <i>Frontiers in Psychiatry</i> , 2021, 12, 781668.	1.3	17
177	Comparison of two PET radioligands for imaging extrastriatal dopamine receptors in the human brain. <i>Synapse</i> , 1993, 15, 246-249.	0.6	16
178	Direct approach for attenuating cocaine's effects on extracellular dopamine: Targeting the dopamine transporter. , 1997, 26, 423-427.		16
179	Cocaine Reduces the Neuronal Population While Upregulating Dopamine D2-Receptor-Expressing Neurons in Brain Reward Regions: Sex-Effects. <i>Frontiers in Pharmacology</i> , 2021, 12, 624127.	1.6	16
180	Addiction should be treated, not penalized. <i>Neuropsychopharmacology</i> , 2021, 46, 2048-2050.	2.8	16

#	ARTICLE	IF	CITATIONS
181	Cerebrovascular adaptations to cocaine-induced transient ischemic attacks in the rodent brain. JCI Insight, 2017, 2, e90809.	2.3	16
182	Intimate combination of low- and high-resolution image data: I. real-space PET and 1H2O MRI, PETAMRI. Magnetic Resonance in Medicine, 1999, 42, 345-360.	1.9	15
183	New Repeat Polymorphism in the <i>AKT1</i> 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.	1.7	15
184	Emergency Department Visits From Edible Versus Inhalable Cannabis. Annals of Internal Medicine, 2019, 170, 569.	2.0	15
185	Neural correlates of visual attention in alcohol use disorder. Drug and Alcohol Dependence, 2019, 194, 430-437.	1.6	15
186	Inhibition of food craving is a metabolically active process in the brain in obese men. International Journal of Obesity, 2020, 44, 590-600.	1.6	15
187	Neuropsychosocial markers of binge drinking in young adults. Molecular Psychiatry, 2020, 26, 4931-4943.	4.1	15
188	Naloxone precipitated withdrawal increases dopamine release in the dorsal striatum of opioid dependent men. Translational Psychiatry, 2021, 11, 445.	2.4	15
189	Research on substance use disorders during the COVID-19 pandemic. Journal of Substance Abuse Treatment, 2021, 129, 108385.	1.5	15
190	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.	1.4	14
191	Accelerated Aging of the Amygdala in Alcohol Use Disorders: Relevance to the Dark Side of Addiction. Cerebral Cortex, 2021, 31, 3254-3265.	1.6	14
192	Haloperidol blocks the uptake of [18F]N-methylspiroperidol by extrastriatal dopamine receptors in schizophrenic patients. Synapse, 1995, 19, 14-17.	0.6	13
193	Effect of amphetamine-induced dopamine release on radiotracer binding to D1 and D2 receptors in rat brain striatal slices. Naunyn-Schmiedeberg's Archives of Pharmacology, 2000, 362, 413-418.	1.4	13
194	Positron emission tomography and its use to image the occupancy of drug binding sites. Drug Development Research, 2003, 59, 194-207.	1.4	13
195	Hemodynamic and neuronal responses to cocaine differ in awake versus anesthetized animals: Optical brain imaging study. NeuroImage, 2019, 188, 188-197.	2.1	13
196	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.	1.4	13
197	Need for comprehensive and timely data to address the opioid overdose epidemic without a blindfold. Addiction, 2022, 117, 2132-2134.	1.7	13
198	Brain Activity in Amblyopia. American Orthoptic Journal, 1991, 41, 56-66.	0.3	12

#	ARTICLE	IF	CITATIONS
199	Disparities in sleep duration among American children: effects of race and ethnicity, income, age, and sex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	12
200	Extended-Release Buprenorphine and Its Evaluation With Patient-Reported Outcomes. <i>JAMA Network Open</i> , 2021, 4, e219708.	2.8	11
201	Ca ²⁺ channel blockade reduces cocaine's vasoconstriction and neurotoxicity in the prefrontal cortex. <i>Translational Psychiatry</i> , 2021, 11, 459.	2.4	11
202	Sex differences in methylphenidate-induced dopamine increases in ventral striatum. <i>Molecular Psychiatry</i> , 2022, 27, 939-946.	4.1	11
203	Brain opioid segments and striatal patterns of dopamine release induced by naloxone and morphine. <i>Human Brain Mapping</i> , 2022, 43, 1419-1430.	1.9	11
204	Elevated thalamic glutamate levels and reduced water diffusivity in alcohol use disorder: Association with impulsivity. <i>Psychiatry Research - Neuroimaging</i> , 2020, 305, 111185.	0.9	10
205	Neuroimaging of inflammation in alcohol use disorder: a review. <i>Science China Information Sciences</i> , 2020, 63, 1.	2.7	10
206	Sensory cue reactivity: Sensitization in alcohol use disorder and obesity. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 124, 326-357.	2.9	10
207	Sleep disturbances are associated with cortical and subcortical atrophy in alcohol use disorder. <i>Translational Psychiatry</i> , 2021, 11, 428.	2.4	10
208	Attempts to replicate the claim of James' at NSLS beam line X12B. <i>Synchrotron Radiation News</i> , 1999, 12, 34-36.	0.2	9
209	Sensitivity of binding of high-affinity dopamine receptor radioligands to increased synaptic dopamine. <i>Synapse</i> , 2000, 38, 483-488.	0.6	9
210	Increased transcription of <i>TSPO</i> , <i>HDAC2</i> , and <i>HDAC6</i> in the amygdala of males with alcohol use disorder. <i>Brain and Behavior</i> , 2021, 11, e01961.	1.0	9
211	<i>TSPO</i> polymorphism in individuals with alcohol use disorder: Association with cholesterol levels and withdrawal severity. <i>Addiction Biology</i> , 2021, 26, e12838.	1.4	9
212	To end the opioid crisis, we must address painful social disparities. <i>Drug and Alcohol Dependence</i> , 2021, 222, 108678.	1.6	9
213	Cannabis Affects Cerebellar Volume and Sleep Differently in Men and Women. <i>Frontiers in Psychiatry</i> , 2021, 12, 643193.	1.3	9
214	Resting brain metabolic activity in a 4 Tesla magnetic field. <i>Magnetic Resonance in Medicine</i> , 2000, 44, 701-705.	1.9	8
215	Lessons From the 1918 Flu Pandemic: A Novel Etiologic Subtype of ADHD?. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2021, 60, 1-2.	0.3	8
216	Conscious and unconscious brain responses to food and cocaine cues. <i>Brain Imaging and Behavior</i> , 2021, 15, 311-319.	1.1	7

#	ARTICLE	IF	CITATIONS
217	Monitoring the Brain's Response to Alcohol With Positron Emission Tomography. <i>Alcohol Health and Research World</i> , 1995, 19, 296-299.	0.2	7
218	Beliefs modulate the effects of drugs on the human brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2301-2302.	3.3	6
219	Personality traits in substance use disorders and obesity when compared to healthy controls. <i>Addiction</i> , 2020, 115, 2130-2139.	1.7	6
220	Protracted abstinence in males with an opioid use disorder: partial recovery of nucleus accumbens function. <i>Translational Psychiatry</i> , 2022, 12, 81.	2.4	6
221	Coordinating cannabis data collection globally: Policy implications. <i>Addiction</i> , 2021, , .	1.7	6
222	Prevention, treatment and care of substance use disorders in times of <scp>COVID</scp>â€19. <i>World Psychiatry</i> , 2022, 21, 323-324.	4.8	6
223	Cocaine Decreases Spontaneous Neuronal Activity and Increases Low-Frequency Neuronal and Hemodynamic Cortical Oscillations. <i>Cerebral Cortex</i> , 2019, 29, 1594-1606.	1.6	5
224	How Academic Medicine Can Help Confront the Opioid Crisis. <i>Academic Medicine</i> , 2022, 97, 171-174.	0.8	5
225	Relationship between BMI and alcohol consumption levels in decision making. <i>International Journal of Obesity</i> , 2021, 45, 2455-2463.	1.6	5
226	Ketamine use disorder: preclinical, clinical, and neuroimaging evidence to support proposed mechanisms of actions. <i>Intelligent Medicine</i> , 2022, 2, 61-68.	1.6	5
227	Habenular connectivity predict weight loss and negative emotional-related eating behavior after laparoscopic sleeve gastrectomy. <i>Cerebral Cortex</i> , 2023, 33, 2037-2047.	1.6	5
228	Mitigation Strategies for Opioid Abuse. <i>New England Journal of Medicine</i> , 2016, 375, 95-96.	13.9	4
229	Epistatic evidence for gender-dependant slow neurotransmission signalling in substance use disorders: PPP1R12B versus PPP1R1B. <i>EBioMedicine</i> , 2020, 61, 103066.	2.7	4
230	Memantine Attenuates Cocaine and neuroHIV Neurotoxicity in the Medial Prefrontal Cortex. <i>Frontiers in Pharmacology</i> , 2022, 13, .	1.6	4
231	Cortical D1 and D2 dopamine receptor availability modulate methylphenidate-induced changes in brain activity and functional connectivity. <i>Communications Biology</i> , 2022, 5, .	2.0	4
232	Translating Opioid Pharmacology From Bench to Bedside, and Back. <i>Biological Psychiatry</i> , 2020, 87, 4-5.	0.7	3
233	Cocaine's effects on the reactivity of the medial prefrontal cortex to ventral tegmental area stimulation: optical imaging study in mice. <i>Addiction</i> , 2022, 117, 2242-2253.	1.7	3
234	Habenular and mediodorsal thalamic connectivity predict persistent weight loss after laparoscopic sleeve gastrectomy. <i>Obesity</i> , 2022, 30, 172-182.	1.5	3

#	ARTICLE	IF	CITATIONS
235	Perspectives on Reward Circuitry, Neurobiology, Genetics and Pathology: Dopamine and Addiction. <i>Molecular Psychiatry</i> , 2001, 6, S1-S1.	4.1	2
236	Multi-Agency Development of Medical Countermeasures Against Opioid-Induced Respiratory Depression. <i>Clinical Pharmacology and Therapeutics</i> , 2021, 109, 576-577.	2.3	2
237	Remembering Mary Jeanne Kreek and her many contributions to addiction science. <i>Nature Neuroscience</i> , 2021, 24, 899-900.	7.1	2
238	GABAergic attenuation of cocaine-induced dopamine release and locomotor activity. , 1997, 25, 393.		2
239	Regional Brain Metabolic Response to Lorazepam in Alcoholics during Early and Late Alcohol Detoxification. , 1997, 21, 1278.		2
240	Regional Brain Metabolism During Alcohol Intoxication. , 2000, 24, 822.		2
241	Elevated transferrin saturation in individuals with alcohol use disorder: Association with HFE polymorphism and alcohol withdrawal severity. <i>Addiction Biology</i> , 2022, 27, e13144.	1.4	2
242	The NIH Blueprint for Neuroscience Research Seeks Community Input on Future Neuroscience Investments. <i>Journal of Neuroscience</i> , 2019, 39, 774-775.	1.7	1
243	GABAergic attenuation of cocaine-induced dopamine release and locomotor activity. , 1997, 25, 393.		1
244	Effect of detoxification on N3 sleep correlates with brain functional but not structural changes in alcohol use disorder. <i>Drug and Alcohol Dependence</i> , 2022, 238, 109545.	1.6	0