

Gene-Jack Wang

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276
papers

30,525
citations

86
h-index

170
g-index

287
ext. papers

33,769
ext. citations

5.9
avg, IF

6.7
L-index

#	Paper	IF	Citations
276	Brain dopamine and obesity. <i>Lancet, The</i> , 2001 , 357, 354-7	40	1365
275	Distribution volume ratios without blood sampling from graphical analysis of PET data. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1996 , 16, 834-40	7.3	1209
274	Cocaine cues and dopamine in dorsal striatum: mechanism of craving in cocaine addiction. <i>Journal of Neuroscience</i> , 2006 , 26, 6583-8	6.6	886
273	Reward, dopamine and the control of food intake: implications for obesity. <i>Trends in Cognitive Sciences</i> , 2011 , 15, 37-46	14	875
272	Association of dopamine transporter reduction with psychomotor impairment in methamphetamine abusers. <i>American Journal of Psychiatry</i> , 2001 , 158, 377-82	11.9	768
271	Low level of brain dopamine D2 receptors in methamphetamine abusers: association with metabolism in the orbitofrontal cortex. <i>American Journal of Psychiatry</i> , 2001 , 158, 2015-21	11.9	740
270	Decreased dopamine D2 receptor availability is associated with reduced frontal metabolism in cocaine abusers. <i>Synapse</i> , 1993 , 14, 169-77	2.4	724
269	Dopamine transporter occupancies in the human brain induced by therapeutic doses of oral methylphenidate. <i>American Journal of Psychiatry</i> , 1998 , 155, 1325-31	11.9	718
268	Loss of dopamine transporters in methamphetamine abusers recovers with protracted abstinence. <i>Journal of Neuroscience</i> , 2001 , 21, 9414-8	6.6	596
267	Addiction: beyond dopamine reward circuitry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 15037-42	11.5	594
266	The addicted human brain: insights from imaging studies. <i>Journal of Clinical Investigation</i> , 2003 , 111, 1444-51	15.9	588
265	Therapeutic doses of oral methylphenidate significantly increase extracellular dopamine in the human brain. <i>Journal of Neuroscience</i> , 2001 , 21, RC121	6.6	511
264	Dopamine in drug abuse and addiction: results of imaging studies and treatment implications. <i>Archives of Neurology</i> , 2007 , 64, 1575-9		456
263	Decreases in dopamine receptors but not in dopamine transporters in alcoholics. <i>Alcoholism: Clinical and Experimental Research</i> , 1996 , 20, 1594-8	3.7	436
262	Low dopamine striatal D2 receptors are associated with prefrontal metabolism in obese subjects: possible contributing factors. <i>NeuroImage</i> , 2008 , 42, 1537-43	7.9	421
261	Evaluating dopamine reward pathway in ADHD: clinical implications. <i>JAMA - Journal of the American Medical Association</i> , 2009 , 302, 1084-91	27.4	417
260	Similarity between obesity and drug addiction as assessed by neurofunctional imaging: a concept review. <i>Journal of Addictive Diseases</i> , 2004 , 23, 39-53	1.7	398

259	Effects of modafinil on dopamine and dopamine transporters in the male human brain: clinical implications. <i>JAMA - Journal of the American Medical Association</i> , 2009 , 301, 1148-54	27.4	395
258	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, 610-24	3.1	386
257	Addiction circuitry in the human brain. <i>Annual Review of Pharmacology and Toxicology</i> , 2012 , 52, 321-36	17.9	384
256	Profound decreases in dopamine release in striatum in detoxified alcoholics: possible orbitofrontal involvement. <i>Journal of Neuroscience</i> , 2007 , 27, 12700-6	6.6	362
255	"Nonhedonic" food motivation in humans involves dopamine in the dorsal striatum and methylphenidate amplifies this effect. <i>Synapse</i> , 2002 , 44, 175-80	2.4	349
254	Long-term frontal brain metabolic changes in cocaine abusers. <i>Synapse</i> , 1992 , 11, 184-90	2.4	344
253	Association of methylphenidate-induced craving with changes in right striato-orbitofrontal metabolism in cocaine abusers: implications in addiction. <i>American Journal of Psychiatry</i> , 1999 , 156, 19-26	11.9	338
252	βAmyloid accumulation in the human brain after one night of sleep deprivation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 4483-4488	11.5	333
251	Energetic cost of brain functional connectivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 13642-7	11.5	331
250	Imaging endogenous dopamine competition with [¹¹ C]raclopride in the human brain. <i>Synapse</i> , 1994 , 16, 255-62	2.4	321
249	Addiction: decreased reward sensitivity and increased expectation sensitivity conspire to overwhelm the brain's control circuit. <i>BioEssays</i> , 2010 , 32, 748-55	4.1	304
248	Exposure to appetitive food stimuli markedly activates the human brain. <i>NeuroImage</i> , 2004 , 21, 1790-7	7.9	303
247	Expectation enhances the regional brain metabolic and the reinforcing effects of stimulants in cocaine abusers. <i>Journal of Neuroscience</i> , 2003 , 23, 11461-8	6.6	263
246	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, 3932-9	6.6	262
245	Imaging the effects of methylphenidate on brain dopamine: new model on its therapeutic actions for attention-deficit/hyperactivity disorder. <i>Biological Psychiatry</i> , 2005 , 57, 1410-5	7.9	260
244	The addictive dimensionality of obesity. <i>Biological Psychiatry</i> , 2013 , 73, 811-8	7.9	255
243	Severity of neuropsychological impairment in cocaine and alcohol addiction: association with metabolism in the prefrontal cortex. <i>Neuropsychologia</i> , 2004 , 42, 1447-58	3.2	254
242	Gastric distention activates satiety circuitry in the human brain. <i>NeuroImage</i> , 2008 , 39, 1824-31	7.9	253

241	Regional brain metabolic activation during craving elicited by recall of previous drug experiences. <i>Life Sciences</i> , 1999 , 64, 775-84	6.8	249
240	Relationship between blockade of dopamine transporters by oral methylphenidate and the increases in extracellular dopamine: therapeutic implications. <i>Synapse</i> , 2002 , 43, 181-7	2.4	236
239	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	11.9	232
238	Imaging studies on the role of dopamine in cocaine reinforcement and addiction in humans. <i>Journal of Psychopharmacology</i> , 1999 , 13, 337-45	4.6	228
237	Cognitive control of drug craving inhibits brain reward regions in cocaine abusers. <i>NeuroImage</i> , 2010 , 49, 2536-43	7.9	221
236	Enhanced striatal dopamine release during food stimulation in binge eating disorder. <i>Obesity</i> , 2011 , 19, 1601-8	8	212
235	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, 1173-80	11.9	207
234	Higher cortical and lower subcortical metabolism in detoxified methamphetamine abusers. <i>American Journal of Psychiatry</i> , 2001 , 158, 383-9	11.9	207
233	Brain DA D2 receptors predict reinforcing effects of stimulants in humans: replication study. <i>Synapse</i> , 2002 , 46, 79-82	2.4	199
232	Dopamine D2 receptor availability in opiate-dependent subjects before and after naloxone-precipitated withdrawal. <i>Neuropsychopharmacology</i> , 1997 , 16, 174-82	8.7	197
231	The role of dopamine in motivation for food in humans: implications for obesity. <i>Expert Opinion on Therapeutic Targets</i> , 2002 , 6, 601-9	6.4	196
230	Brain dopamine transporter levels in treatment and drug naïve adults with ADHD. <i>NeuroImage</i> , 2007 , 34, 1182-90	7.9	194
229	Partial recovery of brain metabolism in methamphetamine abusers after protracted abstinence. <i>American Journal of Psychiatry</i> , 2004 , 161, 242-8	11.9	191
228	Brain monoamine oxidase A activity predicts trait aggression. <i>Journal of Neuroscience</i> , 2008 , 28, 5099-104	6.6	184
227	Dopamine increases in striatum do not elicit craving in cocaine abusers unless they are coupled with cocaine cues. <i>NeuroImage</i> , 2008 , 39, 1266-73	7.9	183
226	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, 1249-54	11.5	180
225	Monoamine oxidase and cigarette smoking. <i>NeuroToxicology</i> , 2003 , 24, 75-82	4.4	178
224	Decreased brain dopaminergic transporters in HIV-associated dementia patients. <i>Brain</i> , 2004 , 127, 2452-8	11.2	172

223	Brain dopamine is associated with eating behaviors in humans. <i>International Journal of Eating Disorders</i> , 2003 , 33, 136-42	6.3	172
222	Effects of cell phone radiofrequency signal exposure on brain glucose metabolism. <i>JAMA - Journal of the American Medical Association</i> , 2011 , 305, 808-13	27.4	171
221	Role of dopamine in the therapeutic and reinforcing effects of methylphenidate in humans: results from imaging studies. <i>European Neuropsychopharmacology</i> , 2002 , 12, 557-66	1.2	158
220	Evidence that sleep deprivation downregulates dopamine D2R in ventral striatum in the human brain. <i>Journal of Neuroscience</i> , 2012 , 32, 6711-7	6.6	151
219	Sleep deprivation decreases binding of [11C]raclopride to dopamine D2/D3 receptors in the human brain. <i>Journal of Neuroscience</i> , 2008 , 28, 8454-61	6.6	148
218	Slow recovery of human brain MAO B after L-deprenyl (Selegeline) withdrawal. <i>Synapse</i> , 1994 , 18, 86-93	2.4	144
217	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, 841-9	6.6	143
216	The neuropsychology of cocaine addiction: recent cocaine use masks impairment. <i>Neuropsychopharmacology</i> , 2009 , 34, 1112-22	8.7	140
215	Methylphenidate and cocaine have a similar in vivo potency to block dopamine transporters in the human brain. <i>Life Sciences</i> , 1999 , 65, PL7-12	6.8	139
214	Effects of blood flow on [11C]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	7.3	139
213	Effects of alcohol detoxification on dopamine D2 receptors in alcoholics: a preliminary study. <i>Psychiatry Research - Neuroimaging</i> , 2002 , 116, 163-72	2.9	137
212	Motivated attention to cocaine and emotional cues in abstinent and current cocaine users--an ERP study. <i>European Journal of Neuroscience</i> , 2011 , 33, 1716-23	3.5	135
211	Addiction changes orbitofrontal gyrus function: involvement in response inhibition. <i>NeuroReport</i> , 2001 , 12, 2595-9	1.7	135
210	Effects of route of administration on cocaine induced dopamine transporter blockade in the human brain. <i>Life Sciences</i> , 2000 , 67, 1507-15	6.8	134
209	A strategy for removing the bias in the graphical analysis method. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2001 , 21, 307-20	7.3	133
208	Gastric stimulation in obese subjects activates the hippocampus and other regions involved in brain reward circuitry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 15641-5	11.5	132
207	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	11.5	131
206	Effects of crack cocaine on neurocognitive function. <i>Psychiatry Research</i> , 1996 , 60, 167-76	9.9	124

205	Dopamine transporters in striatum correlate with deactivation in the default mode network during visuospatial attention. <i>PLoS ONE</i> , 2009 , 4, e6102	3.7	114
204	Food restriction markedly increases dopamine D2 receptor (D2R) in a rat model of obesity as assessed with in-vivo muPET imaging ([¹¹ C] raclopride) and in-vitro ([³ H] spiperone) autoradiography. <i>Synapse</i> , 2008 , 62, 50-61	2.4	114
203	Imaging of brain dopamine pathways: implications for understanding obesity. <i>Journal of Addiction Medicine</i> , 2009 , 3, 8-18	3.8	113
202	Decreased brain dopamine transporters are related to cognitive deficits in HIV patients with or without cocaine abuse. <i>NeuroImage</i> , 2008 , 42, 869-78	7.9	112
201	Stimulant-induced enhanced sexual desire as a potential contributing factor in HIV transmission. <i>American Journal of Psychiatry</i> , 2007 , 164, 157-60	11.9	109
200	Measuring age-related changes in dopamine D2 receptors with ¹¹ C-raclopride and ¹⁸ F-N-methylspiperidol. <i>Psychiatry Research - Neuroimaging</i> , 1996 , 67, 11-6	2.9	109
199	Brain glucose metabolism in violent psychiatric patients: a preliminary study. <i>Psychiatry Research - Neuroimaging</i> , 1995 , 61, 243-53	2.9	108
198	Enhanced resting activity of the oral somatosensory cortex in obese subjects. <i>NeuroReport</i> , 2002 , 13, 1151-5	1.7	107
197	Distribution and pharmacokinetics of methamphetamine in the human body: clinical implications. <i>PLoS ONE</i> , 2010 , 5, e15269	3.7	104
196	Evidence that brain MAO A activity does not correspond to MAO A genotype in healthy male subjects. <i>Biological Psychiatry</i> , 2007 , 62, 355-8	7.9	103
195	Oral methylphenidate normalizes cingulate activity in cocaine addiction during a salient cognitive task. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 16667-72	11.5	95
194	DRD2 gene transfer into the nucleus accumbens core of the alcohol preferring and nonpreferring rats attenuates alcohol drinking. <i>Alcoholism: Clinical and Experimental Research</i> , 2004 , 28, 720-8	3.7	90
193	Effects of expectation on the brain metabolic responses to methylphenidate and to its placebo in non-drug abusing subjects. <i>NeuroImage</i> , 2006 , 32, 1782-92	7.9	89
192	Unique distribution of aromatase in the human brain: in vivo studies with PET and [N-methyl- ¹¹ C]vorozole. <i>Synapse</i> , 2010 , 64, 801-7	2.4	87
191	6-[¹⁸ F]Fluoro-A-85380, a new PET tracer for the nicotinic acetylcholine receptor: studies in the human brain and in vivo demonstration of specific binding in white matter. <i>Synapse</i> , 2004 , 53, 184-9	2.4	86
190	Cannabis Addiction and the Brain: a Review. <i>Journal of NeuroImmune Pharmacology</i> , 2018 , 13, 438-452	6.9	85
189	Overlapping patterns of brain activation to food and cocaine cues in cocaine abusers: association to striatal D2/D3 receptors. <i>Human Brain Mapping</i> , 2015 , 36, 120-36	5.9	83
188	Incentive motivation is associated with striatal dopamine asymmetry. <i>Biological Psychology</i> , 2008 , 77, 98-101	3.2	83

187	Methylphenidate decreased the amount of glucose needed by the brain to perform a cognitive task. <i>PLoS ONE</i> , 2008 , 3, e2017	3.7	82
186	Fast uptake and long-lasting binding of methamphetamine in the human brain: comparison with cocaine. <i>NeuroImage</i> , 2008 , 43, 756-63	7.9	78
185	Low doses of alcohol substantially decrease glucose metabolism in the human brain. <i>NeuroImage</i> , 2006 , 29, 295-301	7.9	78
184	Impaired insight in cocaine addiction: laboratory evidence and effects on cocaine-seeking behaviour. <i>Brain</i> , 2010 , 133, 1484-93	11.2	76
183	Enhanced choice for viewing cocaine pictures in cocaine addiction. <i>Biological Psychiatry</i> , 2009 , 66, 169-76	7.9	76
182	Cardiovascular effects of methylphenidate in humans are associated with increases of dopamine in brain and of epinephrine in plasma. <i>Psychopharmacology</i> , 2003 , 166, 264-70	4.7	74
181	Regional Brain Metabolism During Alcohol Intoxication. <i>Alcoholism: Clinical and Experimental Research</i> , 2000 , 24, 822-829	3.7	73
180	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	3.7	71
179	Low monoamine oxidase B in peripheral organs in smokers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 11600-5	11.5	71
178	Regional brain metabolic response to lorazepam in subjects at risk for alcoholism. <i>Alcoholism: Clinical and Experimental Research</i> , 1995 , 19, 510-6	3.7	71
177	Acute alcohol intoxication decreases glucose metabolism but increases acetate uptake in the human brain. <i>NeuroImage</i> , 2013 , 64, 277-83	7.9	70
176	Positron emission tomography and single-photon emission computed tomography in substance abuse research. <i>Seminars in Nuclear Medicine</i> , 2003 , 33, 114-28	5.4	70
175	Long-term stimulant treatment affects brain dopamine transporter level in patients with attention deficit hyperactive disorder. <i>PLoS ONE</i> , 2013 , 8, e63023	3.7	69
174	Age-related changes in brain: II. Positron emission tomography of frontal and temporal lobe glucose metabolism in normal subjects. <i>Psychiatric Quarterly</i> , 1995 , 66, 357-70	4.1	68
173	Reduced metabolism in brain "control networks" following cocaine-cues exposure in female cocaine abusers. <i>PLoS ONE</i> , 2011 , 6, e16573	3.7	66
172	D-cycloserine accelerates the extinction of cocaine-induced conditioned place preference in C57bL/c mice. <i>Behavioural Brain Research</i> , 2009 , 199, 345-9	3.4	63
171	Whole-brain circuit dissection in free-moving animals reveals cell-specific mesocorticolimbic networks. <i>Journal of Clinical Investigation</i> , 2013 , 123, 5342-50	15.9	62
170	[(11)C]Cocaine: PET studies of cocaine pharmacokinetics, dopamine transporter availability and dopamine transporter occupancy. <i>Nuclear Medicine and Biology</i> , 2001 , 28, 561-72	2.1	59

169	Depression of thalamic metabolism by lorazepam is associated with sleepiness. <i>Neuropsychopharmacology</i> , 1995 , 12, 123-32	8.7	59
168	Hyperstimulation of striatal D2 receptors with sleep deprivation: Implications for cognitive impairment. <i>NeuroImage</i> , 2009 , 45, 1232-40	7.9	57
167	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	5.5	56
166	Imaging the norepinephrine transporter in humans with (S,S)-[11C]O-methyl reboxetine and PET: problems and progress. <i>Nuclear Medicine and Biology</i> , 2007 , 34, 667-79	2.1	56
165	Socioeconomic status is associated with striatal dopamine D2/D3 receptors in healthy volunteers but not in cocaine abusers. <i>Neuroscience Letters</i> , 2016 , 617, 27-31	3.3	55
164	Neural mechanisms of anger regulation as a function of genetic risk for violence. <i>Emotion</i> , 2009 , 9, 385-391	4.1	55
163	Measuring dopamine transporter occupancy by cocaine in vivo: radiotracer considerations. <i>Synapse</i> , 1998 , 28, 111-6	2.4	53
162	Maintenance of brain monoamine oxidase B inhibition in smokers after overnight cigarette abstinence. <i>American Journal of Psychiatry</i> , 2000 , 157, 1864-6	11.9	53
161	Behavioral and Cardiovascular Effects of Intravenous Methylphenidate in Normal Subjects and Cocaine Abusers. <i>European Addiction Research</i> , 1997 , 3, 49-54	4.6	52
160	Leptin receptor deficiency is associated with upregulation of cannabinoid 1 receptors in limbic brain regions. <i>Synapse</i> , 2008 , 62, 637-42	2.4	50
159	Recovery of dopamine transporters with methamphetamine detoxification is not linked to changes in dopamine release. <i>NeuroImage</i> , 2015 , 121, 20-8	7.9	49
158	A pattern of perseveration in cocaine addiction may reveal neurocognitive processes implicit in the Wisconsin Card Sorting Test. <i>Neuropsychologia</i> , 2011 , 49, 1660-9	3.2	47
157	Moderate doses of alcohol disrupt the functional organization of the human brain. <i>Psychiatry Research - Neuroimaging</i> , 2008 , 162, 205-13	2.9	47
156	Evaluation of age-related changes in serotonin 5-HT ₂ and dopamine D2 receptor availability in healthy human subjects. <i>Life Sciences</i> , 1995 , 56, PL249-53	6.8	47
155	Cannabis Abusers Show Hypofrontality and Blunted Brain Responses to a Stimulant Challenge in Females but not in Males. <i>Neuropsychopharmacology</i> , 2016 , 41, 2596-605	8.7	47
154	DRD4 genotype predicts longevity in mouse and human. <i>Journal of Neuroscience</i> , 2013 , 33, 286-91	6.6	45
153	The slow and long-lasting blockade of dopamine transporters in human brain induced by the new antidepressant drug radafaxine predict poor reinforcing effects. <i>Biological Psychiatry</i> , 2005 , 57, 640-6	7.9	45
152	Dopamine-related frontostriatal abnormalities in obesity and binge-eating disorder: emerging evidence for developmental psychopathology. <i>International Review of Psychiatry</i> , 2012 , 24, 211-8	3.6	44

151	Influence of alcoholism and cholesterol on TSPO binding in brain: PET [C]PBR28 studies in humans and rodents. <i>Neuropsychopharmacology</i> , 2018 , 43, 1832-1839	8.7	44
150	Evidence that formulations of the selective MAO-B inhibitor, selegiline, which bypass first-pass metabolism, also inhibit MAO-A in the human brain. <i>Neuropsychopharmacology</i> , 2015 , 40, 650-7	8.7	43
149	Chronic forced exercise during adolescence decreases cocaine conditioned place preference in Lewis rats. <i>Behavioural Brain Research</i> , 2010 , 215, 77-82	3.4	43
148	Striatal dopamine D2 receptor availability predicts the thalamic and medial prefrontal responses to reward in cocaine abusers three years later. <i>Synapse</i> , 2010 , 64, 397-402	2.4	43
147	Concentration and occupancy of dopamine transporters in cocaine abusers with [11C]cocaine and PET. <i>Synapse</i> , 1997 , 27, 347-56	2.4	43
146	Association of body mass and brain activation during gastric distention: implications for obesity. <i>PLoS ONE</i> , 2009 , 4, e6847	3.7	43
145	Methylphenidate attenuates limbic brain inhibition after cocaine-cues exposure in cocaine abusers. <i>PLoS ONE</i> , 2010 , 5, e11509	3.7	43
144	Monoamine oxidase: radiotracer chemistry and human studies. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2015 , 58, 51-64	1.9	42
143	PET imaging predicts future body weight and cocaine preference. <i>NeuroImage</i> , 2012 , 59, 1508-13	7.9	42
142	Alcohol Intoxication Induces Greater Reductions in Brain Metabolism in Male Than in Female Subjects. <i>Alcoholism: Clinical and Experimental Research</i> , 2003 , 27, 909-917	3.7	42
141	Gastric bypass increases ethanol and water consumption in diet-induced obese rats. <i>Obesity Surgery</i> , 2012 , 22, 1884-92	3.7	41
140	Reversible inhibitors of monoamine oxidase-A (RIMAs): robust, reversible inhibition of human brain MAO-A by CX157. <i>Neuropsychopharmacology</i> , 2010 , 35, 623-31	8.7	39
139	Imaging studies of cocaine in the human brain and studies of the cocaine addict. <i>Annals of the New York Academy of Sciences</i> , 1997 , 820, 41-54; discussion 54-5	6.5	38
138	Effects of low-field magnetic stimulation on brain glucose metabolism. <i>NeuroImage</i> , 2010 , 51, 623-8	7.9	37
137	The effects of two highly selective dopamine D3 receptor antagonists (SB-277011A and NGB-2904) on food self-administration in a rodent model of obesity. <i>Pharmacology Biochemistry and Behavior</i> , 2008 , 89, 499-507	3.9	37
136	Reproducibility of repeated measures of deuterium substituted [11C]L-deprenyl ([11C]L-deprenyl-D2) binding in the human brain. <i>Nuclear Medicine and Biology</i> , 2000 , 27, 43-9	2.1	37
135	Comparison of two pet radioligands for imaging extrastriatal dopamine transporters in human brain. <i>Life Sciences</i> , 1995 , 57, PL187-91	6.8	37
134	Enhanced midbrain response at 6-month follow-up in cocaine addiction, association with reduced drug-related choice. <i>Addiction Biology</i> , 2012 , 17, 1013-25	4.6	36

133	Leptin increases striatal dopamine D2 receptor binding in leptin-deficient obese (ob/ob) mice. <i>Synapse</i> , 2010 , 64, 503-10	2.4	36
132	Impaired periamygdaloid-cortex prodynorphin is characteristic of opiate addiction and depression. <i>Journal of Clinical Investigation</i> , 2013 , 123, 5334-41	15.9	36
131	Correspondence between cerebral glucose metabolism and BOLD reveals relative power and cost in human brain. <i>Nature Communications</i> , 2019 , 10, 690	17.4	35
130	Cocaine abusers do not show loss of dopamine transporters with age. <i>Life Sciences</i> , 1997 , 61, 1059-65	6.8	35
129	Abnormal frontostriatal tracts in young male tobacco smokers. <i>NeuroImage</i> , 2018 , 183, 346-355	7.9	34
128	Sensitivity to monetary reward is most severely compromised in recently abstaining cocaine addicted individuals: a cross-sectional ERP study. <i>Psychiatry Research - Neuroimaging</i> , 2012 , 203, 75-82	2.9	34
127	Daily treadmill exercise attenuates cocaine cue-induced reinstatement and cocaine induced locomotor response but increases cocaine-primed reinstatement. <i>Behavioural Brain Research</i> , 2013 , 239, 8-14	3.4	34
126	D-cycloserine facilitates extinction of cocaine self-administration in rats. <i>Synapse</i> , 2011 , 65, 938-44	2.4	34
125	Dr. Volkow and Colleagues Reply. <i>American Journal of Psychiatry</i> , 2000 , 157, 1709-1710	11.9	34
124	PET imaging in clinical drug abuse research. <i>Current Pharmaceutical Design</i> , 2005 , 11, 3203-19	3.3	34
123	Molecular Imaging of Opioid and Dopamine Systems: Insights Into the Pharmacogenetics of Opioid Use Disorders. <i>Frontiers in Psychiatry</i> , 2019 , 10, 626	5	33
122	Ghrelin reductions following bariatric surgery were associated with decreased resting state activity in the hippocampus. <i>International Journal of Obesity</i> , 2019 , 43, 842-851	5.5	33
121	Chronic mild stress increases alcohol intake in mice with low dopamine D2 receptor levels. <i>Behavioral Neuroscience</i> , 2013 , 127, 95-105	2.1	33
120	Changes in brain functional homogeneity in subjects with Alzheimer's disease. <i>Psychiatry Research - Neuroimaging</i> , 2002 , 114, 39-50	2.9	33
119	Relationship between ethanol-induced changes in brain regional metabolism and its motor, behavioural and cognitive effects. <i>Alcohol and Alcoholism</i> , 2004 , 39, 53-8	3.5	33
118	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	7.3	31
117	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, 3248-55	6.6	31
116	Aromatase imaging with [N-methyl-11C]vorozole PET in healthy men and women. <i>Journal of Nuclear Medicine</i> , 2015 , 56, 580-5	8.9	31

115	BMI modulates calorie-dependent dopamine changes in accumbens from glucose intake. <i>PLoS ONE</i> , 2014 , 9, e101585	3.7	30
114	Predominance of D2 receptors in mediating dopamine effects in brain metabolism: effects of alcoholism. <i>Journal of Neuroscience</i> , 2013 , 33, 4527-35	6.6	29
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