Marco Leyton

List of Publications by Year in descending order

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112 papers	6,227 citations	87401 40 h-index	81351 76 g-index
120 all docs	120 docs citations	120 times ranked	7382 citing authors

#	Article	IF	Citations
1	Cocaine cueâ€induced mesocorticolimbic activation in cocaine users: Effects of personality traits, lifetime drug use, and acute stimulant ingestion. Addiction Biology, 2022, 27, e13094.	1.4	3
2	A three-factor model of common early onset psychiatric disorders: temperament, adversity, and dopamine. Neuropsychopharmacology, 2022, 47, 752-758.	2.8	3
3	Do stimulant medications produce sensitization in humans?. Neuroscience and Biobehavioral Reviews, 2022, 137, 104657.	2.9	0
4	Does stimulant drugâ€“induced sensitization occur in primates?. Journal of Psychiatry and Neuroscience, 2022, 47, E148-E152.	1.4	2
5	Neural alterations of emotion processing in atypical trajectories of psychotic-like experiences. NPJ Schizophrenia, 2022, 8, .	2.0	2
6	Why did the kitten cross the road? A meditation on positive versus negative reinforcement in addiction. Journal of Psychiatry and Neuroscience, 2021, 46, E184-E185.	1.4	2
7	Externalizing Risk Pathways for Adolescent Substance Use and Its Developmental Onset: A Canadian Birth Cohort Study: Trajectoires de comportements extÃ©riorisÃ©s et le risque pour lâ€™initiation et lâ€™usage de substances des adolescents : Une Ã©tude de cohorte de naissance canadienne. Canadian Journal of Psychiatry, 2021, 66, 887-896.	0.9	7
8	Metabotropic glutamate type 5 receptor binding availability during dextroamphetamine sensitization in mice and humans. Journal of Psychiatry and Neuroscience, 2021, 46, E1-E13.	1.4	7
9	Ubiquitous Dopamine Deficit Hypotheses in Cocaine Use Disorder Lack Support. American Journal of Psychiatry, 2021, 178, 469-469.	4.0	1
10	PET Imaging of Type 5 Metabotropic Glutamate Receptors. Neuromethods, 2021, , 39-56.	0.2	2
11	Neuroimaging of Obsessive-Compulsive Disorder: Insights into Serotonergic Mechanisms. , 2021, , 457-478.		1
12	The Netrin-1/DCC guidance system: dopamine pathway maturation and psychiatric disorders emerging in adolescence. Molecular Psychiatry, 2020, 25, 297-307.	4.1	61
13	Dopaminergic Plasticity in the Bilateral Hippocampus Following Threat Reversal in Humans. Scientific Reports, 2020, 10, 7627.	1.6	3
14	mGlu5 receptor availability in youth at risk for addictions: effects of vulnerability traits and cannabis use. Neuropsychopharmacology, 2020, 45, 1817-1825.	2.8	7
15	Extra-striatal D2/3 receptor availability in youth at risk for addiction. Neuropsychopharmacology, 2020, 45, 1498-1505.	2.8	13
16	Radiosynthesis of the diastereomerically pure (E)â€[¹¹C]ABP688. Journal of Labelled Compounds and Radiopharmaceuticals, 2019, 62, 860-864.	0.5	1
17	Sex differences in [11C]ABP688 binding: a positron emission tomography study of mGlu5 receptors. European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 1179-1183.	3.3	34
18	Neural function in DCC mutation carriers with and without mirror movements. Annals of Neurology, 2019, 85, 433-442.	2.8	12

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19	Dopamine Signaling Modulates the Stability and Integration of Intrinsic Brain Networks. Cerebral Cortex, 2019, 29, 397-409.	1.6	83
20	Effect of (Z)-isomer content on [11C]ABP688 binding potential in humans. European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 1175-1178.	3.3	10
21	Mesolimbic connectivity signatures of impulsivity and BMI in early adolescence. Appetite, 2019, 132, 25-36.	1.8	11
22	Cannabis legalization: Did we make a mistake? Update 2019. Journal of Psychiatry and Neuroscience, 2019, 44, 291-293.	1.4	30
23	Brain serotonin synthesis capacity in obsessive-compulsive disorder: effects of cognitive behavioral therapy and sertraline. Translational Psychiatry, 2018, 8, 82.	2.4	41
24	Neurobiological Correlates and Predictors of Two Distinct Personality Trait Pathways to Escalated Alcohol Use. EBioMedicine, 2018, 27, 86-93.	2.7	6
25	Mesocorticolimbic Connectivity and Volumetric Alterations inDCCMutation Carriers. Journal of Neuroscience, 2018, 38, 4655-4665.	1.7	23
26	Are people with psychiatric disorders violent?. Journal of Psychiatry and Neuroscience, 2018, 43, 220-222.	1.4	2
27	Testâ€“retest variability of [¹¹C]ABP688 estimates of metabotropic glutamate receptor subtype 5 availability in humans. Synapse, 2018, 72, e22041.	0.6	17
28	Cocaine Cue-Induced Dopamine Release in Recreational Cocaine Users. Scientific Reports, 2017, 7, 46665.	1.6	27
29	Altered dopamine transmission as a familial risk trait for addictions. Current Opinion in Behavioral Sciences, 2017, 13, 130-138.	2.0	10
30	1.28 Early Cannabis Use Initiation at 12â€“14 Years Old Associated With Thinner Frontal and Temporal Cortical Thickness. Journal of the American Academy of Child and Adolescent Psychiatry, 2017, 56, S161.	0.3	0
31	<scp>P</scp>osterior dopamine D2/3 receptors and brain network functional connectivity. Synapse, 2017, 71, e21993.	0.6	28
32	Dopamine and light: effects on facial emotion recognition. Journal of Psychopharmacology, 2017, 31, 1225-1233.	2.0	5
33	Neuroimaging tests for clinical psychiatry: Are we there yet?. Journal of Psychiatry and Neuroscience, 2017, 42, 219-221.	1.4	2
34	Differential Associations between Cortical Thickness and Striatal Dopamine in Treatment-NaÃ¯ve Adults with ADHD vs. Healthy Controls. Frontiers in Human Neuroscience, 2017, 11, 421.	1.0	13
35	Is there a relation between novelty seeking, striatal dopamine release and frontal cortical thickness?. PLoS ONE, 2017, 12, e0174219.	1.1	16
36	Effects of delaying binge drinking on adolescent brain development: a longitudinal neuroimaging study. BMC Psychiatry, 2016, 16, 445.	1.1	22

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37	The Effects of Acute Dopamine Precursor Depletion on the Reinforcing Value of Exercise in Anorexia Nervosa. PLoS ONE, 2016, 11, e0145894.	1.1	24
38	Cocaine cueâ€“induced dopamine release in the human prefrontal cortex. Journal of Psychiatry and Neuroscience, 2016, 41, 322-330.	1.4	47
39	Legalizing marijuana. Journal of Psychiatry and Neuroscience, 2016, 41, 75-76.	1.4	5
40	Striatal D1 and D2 signaling differentially predict learning from positive and negative outcomes. NeuroImage, 2015, 109, 95-101.	2.1	131
41	The Effects of Acute Dopamine Precursor Depletion on the Cognitive Control Functions of Performance Monitoring and Conflict Processing: An Event-Related Potential (ERP) Study. PLoS ONE, 2015, 10, e0140770.	1.1	17
42	Impulsive actions and choices in laboratory animals and humans: effects of high vs. low dopamine states produced by systemic treatments given to neurologically intact subjects. Frontiers in Behavioral Neuroscience, 2014, 8, 432.	1.0	44
43	Differential Striatal Dopamine Responses Following Oral Alcohol in Individuals at Varying Risk for Dependence. Alcoholism: Clinical and Experimental Research, 2014, 38, 126-134.	1.4	39
44	Amphetamine-Induced Dopamine Release and Neurocognitive Function in Treatment-Naive Adults with ADHD. Neuropsychopharmacology, 2014, 39, 1498-1507.	2.8	38
45	Whatâ€™s deficient in reward deficiency?. Journal of Psychiatry and Neuroscience, 2014, 39, 291-293.	1.4	21
46	Brain serotonin synthesis in <scp>MDMA</scp> (ecstasy) polydrug users: an alphaâ€[¹¹C]methylâ€<scp>l</scp>â€tryptophan study. Journal of Neurochemistry, 2014, 131, 634-644.	2.1	11
47	The effect of acute tryptophan depletion on mood and impulsivity in polydrug ecstasy users. Psychopharmacology, 2014, 231, 707-716.	1.5	7
48	Dopamine precursor depletion impairs structure and efficiency of resting state brain functional networks. Neuropharmacology, 2014, 84, 90-100.	2.0	48
49	Dopamine ups and downs in vulnerability to addictions: a neurodevelopmental model. Trends in Pharmacological Sciences, 2014, 35, 268-276.	4.0	102
50	Electrophysiological characterization of dopamine neuronal activity in the ventral tegmental area across the light-dark cycle. Synapse, 2014, 68, 454-467.	0.6	39
51	Reduced Dopamine Response to Amphetamine in Subjects at Ultra-High Risk for Addiction. Biological Psychiatry, 2014, 76, 23-30.	0.7	49
52	Limbic system mGluR5 availability in cocaine dependent subjects: A high-resolution PET [11C]ABP688 study. NeuroImage, 2014, 98, 195-202.	2.1	62
53	OCD: Serotonergic Mechanisms. , 2014, , 433-450.		1
54	Striatal ups and downs: Their roles in vulnerability to addictions in humans. Neuroscience and Biobehavioral Reviews, 2013, 37, 1999-2014.	2.9	153

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55	Dopaminergic Modulation of Motor Timing in Healthy Volunteers Differs as a Function of Baseline DA Precursor Availability. Timing and Time Perception, 2013, 1, 77-98.	0.4	14
56	Cocaine Cue-Induced Dopamine Release in Amygdala and Hippocampus: A High-Resolution PET [18F]Fallypride Study in Cocaine Dependent Participants. Neuropsychopharmacology, 2013, 38, 1780-1788.	2.8	77
57	Are addictions diseases or choices?. Journal of Psychiatry and Neuroscience, 2013, 38, 219-221.	1.4	3
58	Dopamine and light: dissecting effects on mood and motivational states in women with subsyndromal seasonal affective disorder. Journal of Psychiatry and Neuroscience, 2013, 38, 388-397.	1.4	39
59	Individual Differences in Frontal Cortical Thickness Correlate with the d-Amphetamine-Induced Striatal Dopamine Response in Humans. Journal of Neuroscience, 2013, 33, 15285-15294.	1.7	22
60	Stress-induced dopamine release in human medial prefrontal cortex-¹⁸F-Fallypride/PET study in healthy volunteers. Synapse, 2013, 67, 821-830.	0.6	55
61	Caudate nucleusâ€dependent navigational strategies are associated with increased use of addictive drugs. Hippocampus, 2013, 23, 973-984.	0.9	79
62	Dopamine and Pain Sensitivity: Neither Sulpiride nor Acute Phenylalanine and Tyrosine Depletion Have Effects on Thermal Pain Sensations in Healthy Volunteers. PLoS ONE, 2013, 8, e80766.	1.1	26
63	Phenylalanine and Tyrosine Depletion. , 2013, , 1-6.		1
64	Short-term effects of melatonin and pinealectomy on serotonergic neuronal activity across the lightâ€“dark cycle. Journal of Psychopharmacology, 2012, 26, 830-844.	2.0	30
65	Adolescent amphetamine exposure elicits dose-specific effects on monoaminergic neurotransmission and behaviour in adulthood. International Journal of Neuropsychopharmacology, 2012, 15, 1319-1330.	1.0	29
66	Dopamine Precursor Depletion Impairs Timing in Healthy Volunteers by Attenuating Activity in Putamen and Supplementary Motor Area. Journal of Neuroscience, 2012, 32, 16704-16715.	1.7	101
67	Perinatal effects on in vivo measures of human brain serotonin synthesis in adulthood: A 27-year longitudinal study. European Neuropsychopharmacology, 2012, 22, 419-423.	0.3	20
68	On Cue: Striatal Ups and Downs in Addictions. Biological Psychiatry, 2012, 72, e21-e22.	0.7	47
69	Influence of theOPRM1A118G polymorphism on alcohol-induced euphoria, risk for alcoholism and the clinical efficacy of naltrexone. Pharmacogenomics, 2012, 13, 1161-1172.	0.6	20
70	The Dopamine Augmenter L-DOPA Does Not Affect Positive Mood in Healthy Human Volunteers. PLoS ONE, 2012, 7, e28370.	1.1	38
71	From anticipation to action, the role of dopamine in perceptual decision making: an fMRI-tyrosine depletion study. Journal of Neurophysiology, 2012, 108, 501-512.	0.9	49
72	Brain Regional Î±-[¹¹C]Methyl-<scp>L</scp>-Tryptophan Trapping in Medication-Free Patients With Obsessive-Compulsive Disorder. Archives of General Psychiatry, 2011, 68, 732.	13.8	25

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73	The Effect of Naltrexone on Alcoholâ€™s Stimulant Properties and Selfâ€Administration Behavior in Social Drinkers: Influence of Gender and Genotype. Alcoholism: Clinical and Experimental Research, 2011, 35, 1134-1141.	1.4	62
74	Effects of lowered serotonin transmission on cocaine-induced striatal dopamine response: PET [¹¹C]raclopride study in humans. British Journal of Psychiatry, 2011, 199, 391-397.	1.7	37
75	Acute Phenylalanine/Tyrosine Depletion Reduces Motivation to Smoke Cigarettes Across Stages of Addiction. Neuropsychopharmacology, 2011, 36, 2469-2476.	2.8	61
76	Effect of d-amphetamine on inhibition and motor planning as a function of baseline performance. Psychopharmacology, 2010, 211, 423-433.	1.5	25
77	Brain Serotonin Synthesis in Adult Males Characterized by Physical Aggression during Childhood: A 21-Year Longitudinal Study. PLoS ONE, 2010, 5, e11255.	1.1	50
78	Conditioned cues and the expression of stimulant sensitization in animals and humans. Neuropharmacology, 2009, 56, 160-168.	2.0	189
79	Striatal Dopamine Responses to Intranasal Cocaine Self-Administration in Humans. Biological Psychiatry, 2009, 65, 846-850.	0.7	106
80	The role of dopamine in alcohol self-administration in humans: Individual differences. European Neuropsychopharmacology, 2008, 18, 439-447.	0.3	87
81	Dopamine Depletion Impairs Frontostriatal Functional Connectivity during a Set-Shifting Task. Journal of Neuroscience, 2008, 28, 3697-3706.	1.7	202
82	Conditioned Dopamine Release in Humans: A Positron Emission Tomography [11C]Raclopride Study with Amphetamine. Journal of Neuroscience, 2007, 27, 3998-4003.	1.7	199
83	Conditioned and sensitized responses to stimulant drugs in humans. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2007, 31, 1601-1613.	2.5	110
84	Brain regional Î±-[11C]methyl-L-tryptophan trapping, used as an index of 5-HT synthesis, in healthy adults: absence of an age effect. European Journal of Nuclear Medicine and Molecular Imaging, 2007, 34, 1254-1264.	3.3	20
85	Mood-elevating effects of d-amphetamine and incentive salience: the effect of acute dopamine precursor depletion. Journal of Psychiatry and Neuroscience, 2007, 32, 129-36.	1.4	49
86	Î±-[11C]Methyl-l-tryptophan trapping in the orbital and ventral medial prefrontal cortex of suicide attempters. European Neuropsychopharmacology, 2006, 16, 220-223.	0.3	125
87	Lack of effect of acute dopamine precursor depletion in nicotine-dependent smokers. European Neuropsychopharmacology, 2006, 16, 512-520.	0.3	52
88	Lack of Effects on Core Obsessive-Compulsive Symptoms of Tryptophan Depletion During Symptom Provocation in Remitted Obsessive-Compulsive Disorder Patients. Biological Psychiatry, 2006, 59, 853-857.	0.7	38
89	Nicotine increases alcohol self-administration in non-dependent male smokers. Drug and Alcohol Dependence, 2006, 81, 197-204.	1.6	169
90	Modeling Sensitization to Stimulants in Humans. Archives of General Psychiatry, 2006, 63, 1386-95.	13.8	255

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91	Brain regional Î±-[11 C]methyl- L -tryptophan trapping correlates with post-mortem tissue serotonin content and [11 C]5-hydroxytryptophan accumulation. International Journal of Neuropsychopharmacology, 2005, 8, 633.	1.0	18
92	Cocaine craving, euphoria, and self-administration: A preliminary study of the effect of catecholamine precursor depletion.. Behavioral Neuroscience, 2005, 119, 1619-1627.	0.6	106
93	Stability of Î±-[11C]methyl-l-tryptophan brain trapping in healthy male volunteers. European Journal of Nuclear Medicine and Molecular Imaging, 2005, 32, 1199-1204.	3.3	14
94	Serotonin synthesis is lower in the cortical areas of female than male healthy participants as measured with Î±-[11C]methyl-L-tryptophan positron emission tomography. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, S344-S344.	2.4	0
95	Decreasing Amphetamine-Induced Dopamine Release by Acute Phenylalanine/Tyrosine Depletion: A PET/[11C]Raclopride Study in Healthy Men. Neuropsychopharmacology, 2004, 29, 427-432.	2.8	87
96	Measurement of Brain Regional Î±-[11C]Methyl-L-Tryptophan Trapping as a Measure of Serotonin Synthesis in Medication-FreePatients With Major Depression. Archives of General Psychiatry, 2004, 61, 556.	13.8	116
97	Alcohol promotes dopamine release in the human nucleus accumbens. Synapse, 2003, 49, 226-231.	0.6	482
98	A new method for rapidly and simultaneously decreasing serotonin and catecholamine synthesis in humans. Journal of Psychiatry and Neuroscience, 2003, 28, 464-7.	1.4	3
99	The role of serotonin in human mood and social interaction. Pharmacology Biochemistry and Behavior, 2002, 71, 857-865.	1.3	331
100	Predictors of Mood Response to Acute Tryptophan Depletion A Reanalysis. Neuropsychopharmacology, 2002, 27, 852-861.	2.8	161
101	Amphetamine-Induced Increases in Extracellular Dopamine, Drug Wanting, and Novelty Seeking A PET/[11C]Raclopride Study in Healthy Men. Neuropsychopharmacology, 2002, 27, 1027-1035.	2.8	404
102	Brain Regional Î±-[11C]Methyl-l-Tryptophan Trapping in Impulsive Subjects With Borderline Personality Disorder. American Journal of Psychiatry, 2001, 158, 775-782.	4.0	217
103	Depressive relapse following acute tryptophan depletion in patients with major depressive disorder. Journal of Psychopharmacology, 2000, 14, 284-287.	2.0	40
104	Validation of a Less-Invasive Method for Measurement of Serotonin Synthesis Rate with Î±-[11C]Methyl-Tryptophan. Journal of Cerebral Blood Flow and Metabolism, 1998, 18, 1121-1129.	2.4	38
105	Relapse of depression after rapid depletion of tryptophan. Lancet, The, 1997, 349, 1840-1841.	6.3	28
106	Neuroendocrine Study of Serotonin Function in Female Borderline Personality Disorder Patients: A Pilot Study. Biological Psychiatry, 1997, 42, 737-739.	0.7	22
107	The Effect of Tryptophan Depletion on Mood in Medication-Free, Former Patients with Major Affective Disorder. Neuropsychopharmacology, 1997, 16, 294-297.	2.8	54
108	Cardiovascular, neuroendocrine, and monoaminergic responses to psychological stressors: Possible differences between remitted panic disorder patients and healthy controls. Biological Psychiatry, 1996, 40, 353-360.	0.7	31

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109	Psychotic symptoms and vulnerability to recurrent major depression. Journal of Affective Disorders, 1995, 33, 107-115.	2.0	21
110	U-50, 488H into A10 reduces haloperidol-induced elevations of accumbens dopamine. NeuroReport, 1992, 3, 1127-1130.	0.6	7
111	The stimulation of central Îº opioid receptors decreases male sexual behavior and locomotor activity. Brain Research, 1992, 594, 56-74.	1.1	78
112	Preexposure to foot-shock sensitizes the locomotor response to subsequent systemic morphine and intra-nucleus accumbens amphetamine. Pharmacology Biochemistry and Behavior, 1990, 37, 303-310.	1.3	66