David Belin

List of Publications by Year in descending order

72 papers	7,836 citations	101543 36 h-index	88630 70 g-index
88 all docs	88 docs citations	88 times ranked	6040 citing authors

#	Article	IF	Citations
1	Evidence for Addiction-like Behavior in the Rat. Science, 2004, 305, 1014-1017.	12.6	1,005
2	High Impulsivity Predicts the Switch to Compulsive Cocaine-Taking. Science, 2008, 320, 1352-1355.	12.6	918
3	Neural mechanisms underlying the vulnerability to develop compulsive drug-seeking habits and addiction. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 3125-3135.	4.0	823
4	Cocaine Seeking Habits Depend upon Dopamine-Dependent Serial Connectivity Linking the Ventral with the Dorsal Striatum. Neuron, 2008, 57, 432-441.	8.1	685
5	Parallel and interactive learning processes within the basal ganglia: Relevance for the understanding of addiction. Behavioural Brain Research, 2009, 199, 89-102.	2.2	475
6	Opiate versus psychostimulant addiction: the differences do matter. Nature Reviews Neuroscience, 2011, 12, 685-700.	10.2	412
7	Addiction: failure of control over maladaptive incentive habits. Current Opinion in Neurobiology, 2013, 23, 564-572.	4.2	241
8	High-Novelty-Preference Rats are Predisposed to Compulsive Cocaine Self-administration. Neuropsychopharmacology, 2011, 36, 569-579.	5.4	227
9	Enriched Environment Confers Resistance to 1-Methyl-4-Phenyl-1,2,3,6-Tetrahydropyridine and Cocaine: Involvement of Dopamine Transporter and Trophic Factors. Journal of Neuroscience, 2003, 23, 10999-11007.	3.6	206
10	A transdiagnostic dimensional approach towards a neuropsychological assessment for addiction: an international Delphi consensus study. Addiction, 2019, 114, 1095-1109.	3.3	160
11	Pattern of Intake and Drug Craving Predict the Development of Cocaine Addiction-like Behavior in Rats. Biological Psychiatry, 2009, 65, 863-868.	1.3	145
12	Double Dissociation of the Dorsomedial and Dorsolateral Striatal Control Over the Acquisition and Performance of Cocaine Seeking. Neuropsychopharmacology, 2012, 37, 2456-2466.	5.4	129
13	In search of predictive endophenotypes in addiction: insights from preclinical research. Genes, Brain and Behavior, 2016, 15, 74-88.	2.2	121
14	Dissociable Control of Impulsivity in Rats by Dopamine D2/3 Receptors in the Core and Shell Subregions of the Nucleus Accumbens. Neuropsychopharmacology, 2010, 35, 560-569.	5.4	118
15	Responses to Novelty and Vulnerability to Cocaine Addiction: Contribution of a Multi-Symptomatic Animal Model. Cold Spring Harbor Perspectives in Medicine, 2012, 2, a011940-a011940.	6.2	113
16	How Preclinical Models Evolved to Resemble the Diagnostic Criteria of Drug Addiction. Biological Psychiatry, 2016, 79, 39-46.	1.3	101
17	High impulsivity predicting vulnerability to cocaine addiction in rats: some relationship with novelty preference but not novelty reactivity, anxiety or stress. Psychopharmacology, 2011, 215, 721-731.	3.1	97
18	Trait-like impulsivity does not predict escalation of heroin self-administration in the rat. Psychopharmacology, 2010, 212, 453-464.	3.1	93

#	Article	IF	Citations
19	Intrastriatal Shifts Mediate the Transition from Drug-Seeking Actions to Habits. Biological Psychiatry, 2012, 72, 343-345.	1.3	89
20	From impulses to maladaptive actions: the insula is a neurobiological gate for the development of compulsive behavior. Molecular Psychiatry, 2016, 21, 491-499.	7.9	88
21	Basolateral and central amygdala differentially recruit and maintain dorsolateral striatum-dependent cocaine-seeking habits. Nature Communications, 2015, 6, 10088.	12.8	80
22	The basolateral amygdala and nucleus accumbens core mediate dissociable aspects of drug memory reconsolidation. Learning and Memory, 2010, 17, 444-453.	1.3	76
23	Evidence for a Long-Lasting Compulsive Alcohol Seeking Phenotype in Rats. Neuropsychopharmacology, 2018, 43, 728-738.	5.4	74
24	Cocaine Modulation of Frontostriatal Expression of Zif268, D2, and 5-HT2c Receptors in High and Low Impulsive Rats. Neuropsychopharmacology, 2013, 38, 1963-1973.	5.4	71
25	Safety and efficacy of repetitive transcranial magnetic stimulation in the treatment of obsessive-compulsive disorder: A review. World Journal of Biological Psychiatry, 2012, 13, 164-177.	2.6	68
26	Opposing modulatory effects of D1- and D2-like receptor activation on a spinal central pattern generator. Journal of Neurophysiology, 2012, 107, 2250-2259.	1.8	66
27	N-acetylcysteine Facilitates Self-Imposed Abstinence After Escalation of Cocaine Intake. Biological Psychiatry, 2016, 80, 226-234.	1.3	65
28	Addictive behaviour in experimental animals: prospects for translation. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170027.	4.0	65
29	Myelin: A gatekeeper of activity-dependent circuit plasticity?. Science, 2021, 374, eaba6905.	12.6	65
30	Exogenous neuropeptide Y promotes in vivo hippocampal neurogenesis. Hippocampus, 2011, 21, 233-238.	1.9	64
31	High anxiety is a predisposing endophenotype for loss of control over cocaine, but not heroin, self-administration in rats. Psychopharmacology, 2012, 222, 89-97.	3.1	59
32	Heroin seeking becomes dependent on dorsal striatal dopaminergic mechanisms and can be decreased by Nâ€acetylcysteine. European Journal of Neuroscience, 2019, 50, 2036-2044.	2.6	57
33	Compulsive alcohol seeking results from a failure to disengage dorsolateral striatal control over behavior. Journal of Neuroscience, 2019, 39, 2615-18.	3.6	56
34	Nâ€Acetylcysteine reduces earlyâ€and lateâ€stage cocaine seeking without affecting cocaine taking in rats. Addiction Biology, 2012, 17, 437-440.	2.6	49
35	Increased Impulsivity Retards the Transition to Dorsolateral Striatal Dopamine Control of Cocaine Seeking. Biological Psychiatry, 2014, 76, 15-22.	1.3	46
36	Atomoxetine Decreases Vulnerability to Develop Compulsivity in High Impulsive Rats. Biological Psychiatry, 2014, 75, 825-832.	1.3	44

#	Article	IF	Citations
37	Endocannabinoids and striatal function. Behavioural Pharmacology, 2015, 26, 59-72.	1.7	35
38	Multi-facetted impulsivity following nigral degeneration and dopamine replacement therapy. Neuropharmacology, 2016, 109, 69-77.	4.1	35
39	Withdrawal from escalated cocaine self-administration impairs reversal learning by disrupting the effects of negative feedback on reward exploitation: a behavioral and computational analysis. Neuropsychopharmacology, 2019, 44, 2163-2173.	5.4	33
40	Bidirectional regulation over the development and expression of loss of control over cocaine intake by the anterior insula. Psychopharmacology, 2017, 234, 1623-1631.	3.1	32
41	The Novel Î¼-Opioid Receptor Antagonist GSK1521498 Decreases Both Alcohol Seeking and Drinking: Evidence from a New Preclinical Model of Alcohol Seeking. Neuropsychopharmacology, 2015, 40, 2981-2992.	5.4	31
42	Cocaine-induced sensitization is associated with altered dynamics of transcriptional responses of the dopamine transporter, tyrosine hydroxylase, and dopamine D2 receptors in C57Bl/6J mice. Psychopharmacology, 2007, 193, 567-578.	3.1	30
43	Trait Impulsivity and Anhedonia: Two Gateways for the Development of Impulse Control Disorders in Parkinsonâ€™s Disease?. Frontiers in Psychiatry, 2016, 7, 91.	2.6	28
44	High Locomotor Reactivity to Novelty Is Associated with an Increased Propensity to Choose Saccharin Over Cocaine: New Insights into the Vulnerability to Addiction. Neuropsychopharmacology, 2015, 40, 577-589.	5.4	27
45	The anterior insula bidirectionally modulates costâ€benefit decisionâ€making on a rodent gambling task. European Journal of Neuroscience, 2017, 46, 2620-2628.	2.6	24
46	Functional Activity of Eukaryotic Signal Sequences in Escherichia coli: the Ovalbumin Family of Serine Protease Inhibitors. Journal of Molecular Biology, 2004, 335, 437-453.	4.2	23
47	Beyond drugâ€induced alteration of glutamate homeostasis, astrocytes may contribute to dopamineâ€dependent intrastriatal functional shifts that underlie the development of drug addiction: A working hypothesis. European Journal of Neuroscience, 2019, 50, 3014-3027.	2.6	23
48	Impaired decision making following escalation of cocaine selfâ€administration predicts vulnerability to relapse in rats. Addiction Biology, 2020, 25, e12738.	2.6	22
49	The Basolateral Amygdala to Nucleus Accumbens Core Circuit Mediates the Conditioned Reinforcing Effects of Cocaine-Paired Cues on Cocaine Seeking. Biological Psychiatry, 2021, 89, 356-365.	1.3	22
50	Environmentâ€dependent behavioral traits and experiential factors shape addiction vulnerability. European Journal of Neuroscience, 2021, 53, 1794-1808.	2.6	21
51	Decrease of cocaine, but not heroin, self-administration and relapse by the tyrosine kinase inhibitor masitinib in male Sprague Dawley rats. Psychopharmacology, 2018, 235, 1545-1556.	3.1	17
52	Why do liver transplant patients so often become obese? The addiction transfer hypothesis. Medical Hypotheses, 2015, 85, 68-75.	1.5	16
53	Baclofen decreases compulsive alcohol drinking in rats characterized by reduced levels of GATâ€3 in the central amygdala. Addiction Biology, 2021, 26, e13011.	2.6	16
54	Individual differences in the engagement of habitual control over alcohol seeking predict the development of compulsive alcohol seeking and drinking. Addiction Biology, 2021, 26, e13041.	2.6	16

#	Article	IF	Citations
55	Negative Urgency Exacerbates Relapse to Cocaine Seeking After Abstinence. Biological Psychiatry, 2022, 91, 1051-1060.	1.3	15
56	Habit Formation and Compulsion. Neuromethods, 2011, , 337-378.	0.3	13
57	Nigrostriatal Dopaminergic Denervation Does Not Promote Impulsive Choice in the Rat: Implication for Impulse Control Disorders in Parkinsonâ€™s Disease. Frontiers in Behavioral Neuroscience, 2018, 12, 312.	2.0	12
58	The anterior insular cortex in the rat exerts an inhibitory influence over the loss of control of heroin intake and subsequent propensity to relapse. European Journal of Neuroscience, 2020, 52, 4115-4126.	2.6	12
59	Acute stress worsens the deficits in appetitive behaviors for social and sexual stimuli displayed by rats after long-term withdrawal from morphine. Psychopharmacology, 2017, 234, 1693-1702.	3.1	11
60	Chronic exposure to glucocorticoids induces suboptimal decision-making in mice. European Neuropsychopharmacology, 2021, 46, 56-67.	0.7	9
61	Impulsivity is predicted by the thinness of the insular cortex in rats. Molecular Psychiatry, 2016, 21, 445-445.	7.9	7
62	Cellular basis of the intrastriatal functional shifts that underlie the development of habits: relevance for drug addiction. Current Opinion in Behavioral Sciences, 2017, 13, 144-151.	3.9	6
63	Balancing family with a successful career in neuroscience. European Journal of Neuroscience, 2016, 44, 1797-1803.	2.6	5
64	Influence de lâ€™insight sur lâ€™efficacitÃ© de lâ€™entretien motivationnel dans la prÃ©vention des rechutes chez des patients alcoolo-dÃ©pendants. Annales Medico-Psychologiques, 2011, 169, 457-458.	0.4	2
65	NS.1.4 - CORTICOSTRIATAL INTERACTION SUBSERVING INCENTIVE HABITS. Behavioural Pharmacology, 2013, 24, e18.	1.7	2
66	C.20 - DIFFERENTIAL EFFECT OF ENVIRONMENTAL ENRICHMENT ON THE ACQUISITION OF DRUG USE AND THE TRANSITION TO ADDICTION. Behavioural Pharmacology, 2013, 24, e35-e36.	1.7	2
67	Collaboration in neuroscience: the young PI perspective. European Journal of Neuroscience, 2016, 43, 1123-1127.	2.6	2
68	Animal Models in Addiction Research. , 2012, , 73-93.		2
69	Writing a constructive peer review: a young <scp>PI</scp> perspective. European Journal of Neuroscience, 2016, 44, 2873-2876.	2.6	1
70	8.2 Dopaminergic Mechanisms in Drug-Seeking Habits and the Vulnerability to Drug Addiction. , 2009, , 389-406.		1
71	ÂFosB: A Molecular Gate to Motivational Processes within the Nucleus Accumbens?. Journal of Neuroscience, 2006, 26, 11809-11810.	3.6	0
72	S.03.02 Dynamic limbic inputs regulate striatal control of drug-seeking behaviour. European Neuropsychopharmacology, 2015, 25, S113.	0.7	0