Roshan Cools

List of Publications by Year
in descending order

178 papers	17,187 citations	20817 60 h-index	16650 123 g-index
219 all docs	219 docs citations	219 times ranked	13817 citing authors

#	Article	IF	Citations
1	Challenging the negative learning bias hypothesis of depression: reversal learning in a naturalistic psychiatric sample. Psychological Medicine, 2022, 52, 303-313.	4.5	14
2	Neuromodulation of prefrontal cortex cognitive function in primates: the powerful roles of monoamines and acetylcholine. Neuropsychopharmacology, 2022, 47, 309-328.	5.4	64
3	Effects of average reward rate on vigor as a function of individual variation in striatal dopamine. Psychopharmacology, 2022, 239, 465-478.	3.1	9
4	Role of dopamine and clinical heterogeneity in cognitive dysfunction in Parkinson's disease. Progress in Brain Research, 2022, 269, 309-343.	1.4	10
5	Stress-sensitive inference of task controllability. Nature Human Behaviour, 2022, 6, 812-822.	12.0	8
6	Negative Learning Bias in Depression Revisited: Enhanced Neural Response to Surprising Reward Across Psychiatric Disorders. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2021, 6, 280-289.	1.5	4
7	How representative are neuroimaging samples? Large-scale evidence for trait anxiety differences between fMRI and behaviour-only research participants. Social Cognitive and Affective Neuroscience, 2021, 16, 1057-1070.	3.0	24
8	Striatal dopamine synthesis capacity reflects smartphone social activity. IScience, 2021, 24, 102497.	4.1	22
9	Uncertainty increases curiosity, but decreases happiness. Scientific Reports, 2021, 11, 14014.	3.3	12
10	A mosaic of costâ€“benefit control over cortico-striatal circuitry. Trends in Cognitive Sciences, 2021, 25, 710-721.	7.8	39
11	Curiosity or savouring? Information seeking is modulated by both uncertainty and valence. PLoS ONE, 2021, 16, e0257011.	2.5	18
12	Effects of methylphenidate on reinforcement learning depend on working memory capacity. Psychopharmacology, 2021, 238, 3569-3584.	3.1	12
13	Protocol of the Healthy Brain Study: An accessible resource for understanding the human brain and how it dynamically and individually operates in its bio-social context. PLoS ONE, 2021, 16, e0260952.	2.5	8
14	Mechanisms Underlying Dopamine-Induced Risky Choice in Parkinsonâ€™s Disease With and Without Depression (History). Computational Psychiatry, 2020, 2, 11.	2.0	14
15	GABAergic changes in the thalamocortical circuit in Parkinson's disease. Human Brain Mapping, 2020, 41, 1017-1029.	3.6	46
16	Methylphenidate does not affect convergent and divergent creative processes in healthy adults. NeuroImage, 2020, 205, 116279.	4.2	13
17	The cognitive effects of a promised bonus do not depend on dopamine synthesis capacity. Scientific Reports, 2020, 10, 16473.	3.3	4
18	Why so curious? Quantifying mechanisms of information seeking. Current Opinion in Behavioral Sciences, 2020, 35, 112-117.	3.9	39

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19	Methylphenidate boosts choices of mental labor over leisure depending on striatal dopamine synthesis capacity. Neuropsychopharmacology, 2020, 45, 2170-2179.	5.4	21
20	Effects of dopamine on reinforcement learning in Parkinsonâ€™s disease depend on motor phenotype. Brain, 2020, 143, 3422-3434.	7.6	26
21	Dopamine promotes cognitive effort by biasing the benefits versus costs of cognitive work. Science, 2020, 367, 1362-1366.	12.6	204
22	Realizing the Clinical Potential of Computational Psychiatry: Report From the Banbury Center Meeting, February 2019. Biological Psychiatry, 2020, 88, e5-e10.	1.3	36
23	Catecholaminergic modulation of the cost of cognitive control in healthy older adults. PLoS ONE, 2020, 15, e0229294.	2.5	9
24	Catecholaminergic modulation of the cost of cognitive control in healthy older adults. , 2020, 15, e0229294.		0
25	Catecholaminergic modulation of the cost of cognitive control in healthy older adults. , 2020, 15, e0229294.		0
26	Catecholaminergic modulation of the cost of cognitive control in healthy older adults. , 2020, 15, e0229294.		0
27	Catecholaminergic modulation of the cost of cognitive control in healthy older adults. , 2020, 15, e0229294.		0
28	Chemistry of the Adaptive Mind: Lessons from Dopamine. Neuron, 2019, 104, 113-131.	8.1	92
29	Dopamine and the motivation of cognitive control. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2019, 163, 123-143.	1.8	47
30	Editorial. Neuropsychologia, 2019, 123, 1-4.	1.6	2
31	Motives underlying human curiosity. Nature Human Behaviour, 2019, 3, 550-551.	12.0	8
32	The contribution of striatal pseudo-reward prediction errors to value-based decision-making. NeuroImage, 2019, 193, 67-74.	4.2	12
33	Catecholaminergic modulation of trust decisions. Psychopharmacology, 2019, 236, 1807-1816.	3.1	3
34	Emotionally Aversive Cues Suppress Neural Systems Underlying Optimal Learning in Socially Anxious Individuals. Journal of Neuroscience, 2019, 39, 1445-1456.	3.6	36
35	Catecholaminergic modulation of meta-learning. ELife, 2019, 8, .	6.0	14
36	Spontaneous eye blink rate and dopamine synthesis capacity: preliminary evidence for an absence of positive correlation. European Journal of Neuroscience, 2018, 47, 1081-1086.	2.6	66

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37	Controlling striatal function via anterior frontal cortex stimulation. Scientific Reports, 2018, 8, 3312.	3.3	14
38	Chemical neuromodulation of cognitive control avoidance. Current Opinion in Behavioral Sciences, 2018, 22, 121-127.	3.9	17
39	Greater mindful eating practice is associated with better reversal learning. Scientific Reports, 2018, 8, 5702.	3.3	8
40	Top-down expectation effects of food labels on motivation. NeuroImage, 2018, 173, 13-24.	4.2	19
41	Induction and Relief of Curiosity Elicit Parietal and Frontal Activity. Journal of Neuroscience, 2018, 38, 2579-2588.	3.6	82
42	Increased Striatal Dopamine Synthesis Capacity in Gambling Addiction. Biological Psychiatry, 2018, 83, 1036-1043.	1.3	97
43	Occipital Alpha and Gamma Oscillations Support Complementary Mechanisms for Processing Stimulus Value Associations. Journal of Cognitive Neuroscience, 2018, 30, 119-129.	2.3	9
44	Frontal network dynamics reflect neurocomputational mechanisms for reducing maladaptive biases in motivated action. PLoS Biology, 2018, 16, e2005979.	5.6	35
45	Enhanced food-related responses in the ventral medial prefrontal cortex in narcolepsy type 1. Scientific Reports, 2018, 8, 16391.	3.3	12
46	Disentangling cognitive from motor control: Influence of response modality on updating, inhibiting, and shifting. Acta Psychologica, 2018, 191, 124-130.	1.5	7
47	Enhanced motivation of cognitive control in Parkinson's disease. European Journal of Neuroscience, 2018, 48, 2374-2384.	2.6	14
48	Catecholaminergic modulation of the avoidance of cognitive control.. Journal of Experimental Psychology: General, 2018, 147, 1763-1781.	2.1	33
49	Neuro-Cognitive Effects of Acute Tyrosine Administration on Reactive and Proactive Response Inhibition in Healthy Older Adults. ENeuro, 2018, 5, ENEURO.0035-17.2018.	1.9	18
50	Dopaminergic Drug Effects on Probability Weighting during Risky Decision Making. ENeuro, 2018, 5, ENEURO.0330-18.2018.	1.9	16
51	Dopaminergic Modulation of the Functional Ventrodorsal Architecture of the Human Striatum. Cerebral Cortex, 2017, 27, bhv243.	2.9	42
52	Networkâ€level assessment of rewardâ€related activation in patients with <scp>ADHD</scp> and healthy individuals. Human Brain Mapping, 2017, 38, 2359-2369.	3.6	30
53	Creative cognition and dopaminergic modulation of fronto-striatal networks: Integrative review and research agenda. Neuroscience and Biobehavioral Reviews, 2017, 78, 13-23.	6.1	118
54	Reward learning deficits in Parkinson's disease depend on depression. Psychological Medicine, 2017, 47, 2302-2311.	4.5	16

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55	The Neurocognitive Cost of Enhancing Cognition with Methylphenidate: Improved Distractor Resistance but Impaired Updating. Journal of Cognitive Neuroscience, 2017, 29, 652-663.	2.3	45
56	Stress and Cognitive Flexibility: Cortisol Increases Are Associated with Enhanced Updating but Impaired Switching. Journal of Cognitive Neuroscience, 2017, 29, 14-24.	2.3	55
57	Loss of lateral prefrontal cortex control in food-directed attention and goal-directed food choice in obesity. NeuroImage, 2017, 146, 148-156.	4.2	65
58	Catecholaminergic challenge uncovers distinct Pavlovian and instrumental mechanisms of motivated (in)action. ELife, 2017, 6, .	6.0	77
59	Aberrant local striatal functional connectivity in attentionâ€deficit/hyperactivity disorder. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2016, 57, 697-705.	5.2	22
60	The specificity of Pavlovian regulation is associated with recovery from depression. Psychological Medicine, 2016, 46, 1027-1035.	4.5	60
61	Opposite effects of cannabis and cocaine on performance monitoring. European Neuropsychopharmacology, 2016, 26, 1127-1139.	0.7	15
62	The costs and benefits of brain dopamine for cognitive control. Wiley Interdisciplinary Reviews: Cognitive Science, 2016, 7, 317-329.	2.8	83
63	Contrasting neural effects of aging on proactive and reactive response inhibition. Neurobiology of Aging, 2016, 46, 96-106.	3.1	36
64	Reduced transfer of affective value to instrumental behavior in violent offenders.. Journal of Abnormal Psychology, 2016, 125, 657-663.	1.9	13
65	Focal striatum lesions impair cautiousness in humans. Cortex, 2016, 85, 37-45.	2.4	11
66	Aberrant Food Choices after Satiation in Human Orexin-Deficient Narcolepsy Type 1. Sleep, 2016, 39, 1951-1959.	1.1	34
67	Ventral striatal hyperconnectivity during rewarded interference control in adolescents with ADHD. Cortex, 2016, 82, 225-236.	2.4	37
68	Neural connectivity during reward expectation dissociates psychopathic criminals from non-criminal individuals with high impulsive/antisocial psychopathic traits. Social Cognitive and Affective Neuroscience, 2016, 11, 1326-1334.	3.0	34
69	Acute effects of cocaine and cannabis on reversal learning as a function of COMT and DRD2 genotype. Psychopharmacology, 2016, 233, 199-211.	3.1	20
70	Amplified Striatal Responses to Near-Miss Outcomes in Pathological Gamblers. Neuropsychopharmacology, 2016, 41, 2614-2623.	5.4	45
71	Reduced Affective Biasing of Instrumental Action With tDCS Over the Prefrontal Cortex. Brain Stimulation, 2016, 9, 380-387.	1.6	7
72	Human Choice Strategy Varies with Anatomical Projections from Ventromedial Prefrontal Cortex to Medial Striatum. Journal of Neuroscience, 2016, 36, 2857-2867.	3.6	35

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73	Impaired Activation in Cognitive Control Regions Predicts Reversal Learning in Schizophrenia. Schizophrenia Bulletin, 2016, 42, 484-493.	4.3	73
74	Methylphenidate alters selective attention by amplifying salience. Psychopharmacology, 2015, 232, 4317-4323.	3.1	24
75	Directed Communication between Nucleus Accumbens and Neocortex in Humans Is Differentially Supported by Synchronization in the Theta and Alpha Band. PLoS ONE, 2015, 10, e0138685.	2.5	24
76	Reward modulation of cognitive function in adult attention-deficit/hyperactivity disorder. Behavioural Pharmacology, 2015, 26, 227-240.	1.7	35
77	Iowa gambling task impairment in Parkinson's disease can be normalised by reduction of dopaminergic medication after subthalamic stimulation. Journal of Neurology, Neurosurgery and Psychiatry, 2015, 86, 186-190.	1.9	50
78	Freezing of gait in Parkinson's disease is related to impaired motor switching during stepping. Movement Disorders, 2015, 30, 1090-1097.	3.9	30
79	In Reply. Journal of the American Academy of Child and Adolescent Psychiatry, 2015, 54, 686-688.	0.5	2
80	Differential optimal dopamine levels for set-shifting and working memory in Parkinson's disease. Neuropsychologia, 2015, 77, 42-51.	1.6	41
81	Neuropsychopharmacology of Cognitive Flexibility. , 2015, , 349-353.		8
82	Dopaminergic modulation of distracter-resistance and prefrontal delay period signal. Psychopharmacology, 2015, 232, 1061-1070.	3.1	33
83	Increased Neural Responses to Reward in Adolescents and Young Adults With Attention-Deficit/Hyperactivity Disorder and Their Unaffected Siblings. Journal of the American Academy of Child and Adolescent Psychiatry, 2015, 54, 394-402.	0.5	94
84	Selective Attentional Enhancement and Inhibition of Fronto-Posterior Connectivity by the Basal Ganglia During Attention Switching. Cerebral Cortex, 2015, 25, 1527-1534.	2.9	47
85	The cost of dopamine for dynamic cognitive control. Current Opinion in Behavioral Sciences, 2015, 4, 152-159.	3.9	35
86	Serotonin and aversive processing in affective and social decision-making. Current Opinion in Behavioral Sciences, 2015, 5, 64-70.	3.9	32
87	Abnormal modulation of reward versus punishment learning by a dopamine D2-receptor antagonist in pathological gamblers. Psychopharmacology, 2015, 232, 3345-3353.	3.1	28
88	Acute serotonin depletion releases motivated inhibition of response vigour. Psychopharmacology, 2015, 232, 1303-1312.	3.1	7
89	Trait Impulsivity Is Associated with the Risk of Falls in Parkinsonâ€™s Disease. PLoS ONE, 2014, 9, e91190.	2.5	24
90	Individual differences in bodily freezing predict emotional biases in decision making. Frontiers in Behavioral Neuroscience, 2014, 8, 237.	2.0	30

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91	GABAergic Modulation of Visual Gamma and Alpha Oscillations and Its Consequences for Working Memory Performance. Current Biology, 2014, 24, 2878-2887.	3.9	100
92	The Social Dominance Paradox. Current Biology, 2014, 24, 2812-2816.	3.9	35
93	Opposing Effects of Appetitive and Aversive Cues on Go/No-go Behavior and Motor Excitability. Journal of Cognitive Neuroscience, 2014, 26, 1851-1860.	2.3	41
94	Establishing the Dopamine Dependency of Human Striatal Signals During Reward and Punishment Reversal Learning. Cerebral Cortex, 2014, 24, 633-642.	2.9	83
95	Aversive disinhibition of behavior and striatal signaling in social avoidance. Social Cognitive and Affective Neuroscience, 2014, 9, 1530-1536.	3.0	11
96	Alpha activity reflects individual abilities to adapt to the environment. NeuroImage, 2014, 89, 235-243.	4.2	25
97	Region-specific modulations in oscillatory alpha activity serve to facilitate processing in the visual and auditory modalities. NeuroImage, 2014, 87, 356-362.	4.2	182
98	Cognitive deficits in Parkinson's disease: A cognitive neuroscience perspective. Movement Disorders, 2014, 29, 597-607.	3.9	192
99	Cognitive flexibility depends on white matter microstructure of the basal ganglia. Neuropsychologia, 2014, 53, 171-177.	1.6	37
100	Stratified medicine for mental disorders. European Neuropsychopharmacology, 2014, 24, 5-50.	0.7	152
101	Dopamine and the Cognitive Downside of a Promised Bonus. Psychological Science, 2014, 25, 1003-1009.	3.3	55
102	Reward Acts on the pFC to Enhance Distractor Resistance of Working Memory Representations. Journal of Cognitive Neuroscience, 2014, 26, 2812-2826.	2.3	27
103	Mechanisms of motivationâ€"cognition interaction: challenges and opportunities. Cognitive, Affective and Behavioral Neuroscience, 2014, 14, 443-472.	2.0	263
104	Greater striatal responses to medication in Parkinson×³s disease are associated with better task-switching but worse reward performance. Neuropsychologia, 2014, 62, 390-397.	1.6	54
105	A kinder, gentler dopamineâ€¦ highlighting dopamine's role in behavioral flexibility. Frontiers in Neuroscience, 2014, 8, 4.	2.8	24
106	Anatomical connection strength predicts dopaminergic drug effects on fronto-striatal function. Psychopharmacology, 2013, 227, 521-531.	3.1	27
107	The dopamine transporter haplotype and reward-related striatal responses in adult ADHD. European Neuropsychopharmacology, 2013, 23, 469-478.	0.7	44
108	Dissociable Effects of Dopamine and Serotonin on Reversal Learning. Neuron, 2013, 80, 1090-1100.	8.1	210

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109	Feedback-related negativity codes outcome valence, but not outcome expectancy, during reversal learning. Cognitive, Affective and Behavioral Neuroscience, 2013, 13, 737-746.	2.0	48
110	Dissociable fronto-striatal effects of dopamine D2 receptor stimulation on cognitive versusÂmotor flexibility. Cortex, 2013, 49, 2799-2811.	2.4	47
111	Aversive Pavlovian Control of Instrumental Behavior in Humans. Journal of Cognitive Neuroscience, 2013, 25, 1428-1441.	2.3	92
112	Working Memory Capacity Predicts Effects of Methylphenidate on Reversal Learning. Neuropsychopharmacology, 2013, 38, 2011-2018.	5.4	54
113	Serotonin and Aversive Pavlovian Control of Instrumental Behavior in Humans. Journal of Neuroscience, 2013, 33, 18932-18939.	3.6	56
114	Dopaminergic drug effects during reversal learning depend on anatomical connections between the orbitofrontal cortex and the amygdala. Frontiers in Neuroscience, 2013, 7, 142.	2.8	12
115	CNTRICS Imaging Biomarkers Final Task Selection: Long-Term Memory and Reinforcement Learning. Schizophrenia Bulletin, 2012, 38, 62-72.	4.3	21
116	Ventral Striatum Response During Reward and Punishment Reversal Learning in Unmedicated Major Depressive Disorder. American Journal of Psychiatry, 2012, 169, 152-159.	7.2	203
117	Converging evidence for central 5-HT effects in acute tryptophan depletion. Molecular Psychiatry, 2012, 17, 121-123.	7.9	66
118	Controlling Human Striatal Cognitive Function via the Frontal Cortex. Journal of Neuroscience, 2012, 32, 5631-5637.	3.6	60
119	Aberrant reward processing in Parkinson's disease is associated with dopamine cell loss. NeuroImage, 2012, 59, 3339-3346.	4.2	58
120	Bromocriptine Does Not Alter Speedâ€"Accuracy Tradeoff. Frontiers in Neuroscience, 2012, 6, 126.	2.8	25
121	Decomposing effects of dopaminergic medication in Parkinsonâ€™s disease on probabilistic action selection â€" learning or performance?. European Journal of Neuroscience, 2012, 35, 1144-1151.	2.6	73
122	Tryptophan depletion disinhibits punishment but not reward prediction: implications for resilience. Psychopharmacology, 2012, 219, 599-605.	3.1	66
123	Inverted-Uâ€"Shaped Dopamine Actions on Human Working Memory and Cognitive Control. Biological Psychiatry, 2011, 69, e113-e125.	1.3	1,315
124	Distinct linear and non-linear trajectories of reward and punishment reversal learning during development: Relevance for dopamine's role in adolescent decision making. Developmental Cognitive Neuroscience, 2011, 1, 578-590.	4.0	55
125	Feedback-related Negativity Codes Prediction Error but Not Behavioral Adjustment during Probabilistic Reversal Learning. Journal of Cognitive Neuroscience, 2011, 23, 936-946.	2.3	186
126	Serotonin and Dopamine: Unifying Affective, Activational, and Decision Functions. Neuropsychopharmacology, 2011, 36, 98-113.	5.4	382

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127	Striatal Dopamine and the Interface between Motivation and Cognition. Frontiers in Psychology, 2011, 2, 163.	2.1	177
128	Dopaminergic control of the striatum for high-level cognition. Current Opinion in Neurobiology, 2011, 21, 402-407.	4.2	182
129	Human cognitive flexibility depends on dopamine D2 receptor signaling. Psychopharmacology, 2011, 218, 567-578.	3.1	109
130	Nitric Oxide Synthase Genotype Modulation of Impulsivity and Ventral Striatal Activity in Adult ADHD Patients and Healthy Comparison Subjects. American Journal of Psychiatry, 2011, 168, 1099-1106.	7.2	92
131	Habitual versus Goal-directed Action Control in Parkinson Disease. Journal of Cognitive Neuroscience, 2011, 23, 1218-1229.	2.3	102
132	Disentangling the Roles of Approach, Activation and Valence in Instrumental and Pavlovian Responding. PLoS Computational Biology, 2011, 7, e1002028.	3.2	292
133	Role of striatal dopamine in the fast adaption of outcome-based decisions. , 2011, , 349-366.		0
134	Dopaminergic Modulation of Cognitive Control: Distinct Roles for the Prefrontal Cortex and the Basal Ganglia. Current Pharmaceutical Design, 2010, 16, 2026-2032.	1.9	94
135	Dopamine precursor depletion improves punishment prediction during reversal learning in healthy females but not males. Psychopharmacology, 2010, 211, 187-195.	3.1	41
136	Striatal Dopamine Mediates the Interface between Motivational and Cognitive Control in Humans: Evidence from Genetic Imaging. Neuropsychopharmacology, 2010, 35, 1943-1951.	5.4	141
137	Mood state moderates the role of serotonin in cognitive biases. Journal of Psychopharmacology, 2010, 24, 573-583.	4.0	35
138	The Human Basal Ganglia Modulate Frontal-Posterior Connectivity during Attention Shifting. Journal of Neuroscience, 2010, 30, 9910-9918.	3.6	142
139	Enhanced frontal function in Parkinson's disease. Brain, 2010, 133, 225-233.	7.6	120
140	Topâ€"Down Attentional Control in Parkinson's Disease: Salient Considerations. Journal of Cognitive Neuroscience, 2010, 22, 848-859.	2.3	68
141	Dissociable responses to punishment in distinct striatal regions during reversal learning. NeuroImage, 2010, 51, 1459-1467.	4.2	62
142	Striatal Dopamine Predicts Outcome-Specific Reversal Learning and Its Sensitivity to Dopaminergic Drug Administration. Journal of Neuroscience, 2009, 29, 1538-1543.	3.6	315
143	CNTRICS Final Task Selection: Long-Term Memory. Schizophrenia Bulletin, 2009, 35, 197-212.	4.3	49
144	Dopamine Release in Dissociable Striatal Subregions Predicts the Different Effects of Oral Methylphenidate on Reversal Learning and Spatial Working Memory. Journal of Neuroscience, 2009, 29, 4690-4696.	3.6	210

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145	Switching between abstract rules reflects disease severity but not dopaminergic status in Parkinson's disease. Neuropsychologia, 2009, 47, 1117-1127.	1.6	55
146	5.4 Dopaminergic Modulation of Flexible Cognitive Control in Humans. , 2009, , 249-260.		20
147	Incentive motivation in first-episode psychosis: A behavioural study. BMC Psychiatry, 2008, 8, 34.	2.6	55
148	Methylphenidate Has Differential Effects on Blood Oxygenation Level-Dependent Signal Related to Cognitive Subprocesses of Reversal Learning. Journal of Neuroscience, 2008, 28, 5976-5982.	3.6	102
149	Acute Tryptophan Depletion in Healthy Volunteers Enhances Punishment Prediction but Does not Affect Reward Prediction. Neuropsychopharmacology, 2008, 33, 2291-2299.	5.4	145
150	Serotoninergic regulation of emotional and behavioural control processes. Trends in Cognitive Sciences, 2008, 12, 31-40.	7.8	544
151	Role of Dopamine in the Motivational and Cognitive Control of Behavior. Neuroscientist, 2008, 14, 381-395.	3.5	288
152	Working Memory Capacity Predicts Dopamine Synthesis Capacity in the Human Striatum. Journal of Neuroscience, 2008, 28, 1208-1212.	3.6	264
153	Impulsive Personality Predicts Dopamine-Dependent Changes in Frontostriatal Activity during Component Processes of Working Memory. Journal of Neuroscience, 2007, 27, 5506-5514.	3.6	239
154	L-DOPA Disrupts Activity in the Nucleus Accumbens during Reversal Learning in Parkinson's Disease. Neuropsychopharmacology, 2007, 32, 180-189.	5.4	262
155	Dopaminergic Modulation of Flexible Cognitive Control: The Role of the Striatum. , 2007, , 313-334.		1
156	Dopaminergic modulation of cognitive function-implications for l-DOPA treatment in Parkinson's disease. Neuroscience and Biobehavioral Reviews, 2006, 30, 1-23.	6.1	778
157	Reversal learning in Parkinson's disease depends on medication status and outcome valence. Neuropsychologia, 2006, 44, 1663-1673.	1.6	272
158	Effects of levodopa and subthalamic nucleus stimulation on cognitive and affective functioning in Parkinson's disease. Movement Disorders, 2006, 21, 1656-1662.	3.9	87
159	The Human Striatum is Necessary for Responding to Changes in Stimulus Relevance. Journal of Cognitive Neuroscience, 2006, 18, 1973-1983.	2.3	102
160	Serotonin Transporter Polymorphism Mediates Vulnerability to Loss of Incentive Motivation Following Acute Tryptophan Depletion. Neuropsychopharmacology, 2006, 31, 2264-2272.	5.4	82
161	Stop signal response inhibition is not modulated by tryptophan depletion or the serotonin transporter polymorphism in healthy volunteers: implications for the 5-HT theory of impulsivity. Psychopharmacology, 2005, 182, 570-578.	3.1	154
162	Individual differences in threat sensitivity predict serotonergic modulation of amygdala response to fearful faces. Psychopharmacology, 2005, 180, 670-679.	3.1	139

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163	Tryptophan Depletion Disrupts the Motivational Guidance of Goal-Directed Behavior as a Function of Trait Impulsivity. Neuropsychopharmacology, 2005, 30, 1362-1373.	5.4	130
164	Serotonergic Modulation of Prefrontal Cortex during Negative Feedback in Probabilistic Reversal Learning. Neuropsychopharmacology, 2005, 30, 1138-1147.	5.4	188
165	Chemistry of the adaptive mind. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2004, 362, 2871-2888.	3.4	199
166	The Role of Dopamine in Cognition: Insights from Neuropsychological Studies in Humans and Non-Human Primates. , 2004, , 219-243.		1
167	Differential Responses in Human Striatum and Prefrontal Cortex to Changes in Object and Rule Relevance. Journal of Neuroscience, 2004, 24, 1129-1135.	3.6	199
168	The neuropsychology of ventral prefrontal cortex: Decision-making and reversal learning. Brain and Cognition, 2004, 55, 41-53.	1.8	363
169	Using executive heterogeneity to explore the nature of working memory deficits in Parkinsonâ€™s disease. Neuropsychologia, 2003, 41, 645-654.	1.6	173
170	l-Dopa medication remediates cognitive inflexibility, but increases impulsivity in patients with Parkinsonâ€™s disease. Neuropsychologia, 2003, 41, 1431-1441.	1.6	457
171	Cognitive deterioration in Parkinson's disease. European Neuropsychopharmacology, 2002, 12, 109-110.	0.7	0
172	Dopaminergic modulation of high-level cognition in Parkinson's disease: the role of the prefrontal cortex revealed by PET. Brain, 2002, 125, 584-594.	7.6	382
173	Defining the Neural Mechanisms of Probabilistic Reversal Learning Using Event-Related Functional Magnetic Resonance Imaging. Journal of Neuroscience, 2002, 22, 4563-4567.	3.6	631
174	Enhanced or Impaired Cognitive Function in Parkinson's Disease as a Function of Dopaminergic Medication and Task Demands. Cerebral Cortex, 2001, 11, 1136-1143.	2.9	795
175	Mechanisms of cognitive set flexibility in Parkinson's disease. Brain, 2001, 124, 2503-2512.	7.6	344
176	Goal neglect and inhibitory limitations: dissociable causes of interference effects in conflict situations. Acta Psychologica, 1999, 101, 379-394.	1.5	166
177	Paradoxical effects of drugs on cognitive function: the neuropsychopharmacology of the dopamine and other neurotransmitter systems. , 0, , 397-417.		3
178	Neuro-Cognitive Effects of Acute Tyrosine Administration on Reactive and Proactive Response Inhibition in Healthy Older Adults. SSRN Electronic Journal, 0, , .	0.4	0