

Inverted-Uâ€™Shaped Dopamine Actions on Human Working Memory

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Citation Report

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Catecholamine Influences on Dorsolateral Prefrontal Cortical Networks. <i>Biological Psychiatry</i> , 2011, 69, e89-e99. | 0.7 | 392 |
| 2 | Prefrontal Cortical Organization and Function: Implications for Externalizing Disorders. <i>Biological Psychiatry</i> , 2011, 69, 1131-1132. | 0.7 | 11 |
| 3 | Cortical electrophysiological network dynamics of feedback learning. <i>Trends in Cognitive Sciences</i> , 2011, 15, 558-566. | 4.0 | 128 |
| 4 | The Selective Phosphodiesterase 9 (PDE9) Inhibitor PF-04447943 Attenuates a Scopolamine-Induced Deficit in a Novel Rodent Attention Task. <i>Journal of Neurogenetics</i> , 2011, 25, 120-126. | 0.6 | 48 |
| 5 | Striatal Dopamine and the Interface between Motivation and Cognition. <i>Frontiers in Psychology</i> , 2011, 2, 163. | 1.1 | 177 |
| 6 | The Dopamine Agonist Bromocriptine Differentially Affects Fronto-Striatal Functional Connectivity During Working Memory. <i>Frontiers in Human Neuroscience</i> , 2011, 5, 32. | 1.0 | 43 |
| 7 | Association of <i>BDNF</i> and <i>COMT</i> genotypes with cognitive processing of anti-smoking PSAs. <i>Genes, Brain and Behavior</i> , 2011, 10, 862-867. | 1.1 | 7 |
| 8 | Neuromodulation of reward-based learning and decision making in human aging. <i>Annals of the New York Academy of Sciences</i> , 2011, 1235, 1-17. | 1.8 | 181 |
| 9 | Dopaminergic control of the striatum for high-level cognition. <i>Current Opinion in Neurobiology</i> , 2011, 21, 402-407. | 2.0 | 182 |
| 10 | Human cognitive flexibility depends on dopamine D2 receptor signaling. <i>Psychopharmacology</i> , 2011, 218, 567-578. | 1.5 | 109 |
| 11 | The placebo effect on psychomotor performance and working memory capacity: randomized single blind cross-over trial. <i>Annals of Neurosciences</i> , 2011, 18, 141-4. | 0.9 | 4 |
| 12 | Brain Activation Associated with Attentional Bias in Smokers is Modulated by a Dopamine Antagonist. <i>Neuropsychopharmacology</i> , 2012, 37, 2772-2779. | 2.8 | 33 |
| 13 | Effect of a Single Dose of Dextromethorphan on Psychomotor Performance and Working Memory Capacity. <i>Indian Journal of Psychological Medicine</i> , 2012, 34, 140-143. | 0.6 | 4 |
| 14 | Estradiol Modulates Effort-Based Decision Making in Female Rats. <i>Neuropsychopharmacology</i> , 2012, 37, 390-401. | 2.8 | 79 |
| 15 | Dopamine and performance in a reinforcement learning task: evidence from Parkinson's disease. <i>Brain</i> , 2012, 135, 1871-1883. | 3.7 | 137 |
| 16 | PET Evidence for a Role for Striatal Dopamine in the Attentional Blink: Functional Implications. <i>Journal of Cognitive Neuroscience</i> , 2012, 24, 1932-1940. | 1.1 | 41 |
| 17 | Abstracts 3rd Biennial Conference on Resting State Brain Connectivity September 5-7, 2012 Magdeburg, Germany. <i>Brain Connectivity</i> , 2012, 2, A1-A156. | 0.8 | 2 |
| 18 | Functional Significance of Central D1 Receptors in Cognition: Beyond Working Memory. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 1248-1258. | 2.4 | 61 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Aging-Related Increases in Behavioral Variability: Relations to Losses of Dopamine D1 Receptors. <i>Journal of Neuroscience</i> , 2012, 32, 8186-8191. | 1.7 | 96 |
| 20 | Resting-state glutamate level in the anterior cingulate predicts blood-oxygen level-dependent response to cognitive control. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 5069-5073. | 3.3 | 81 |
| 21 | Increased Bilateral Frontal Connectivity during Working Memory in Young Adults under the Influence of a Dopamine D1 Receptor Antagonist. <i>Journal of Neuroscience</i> , 2012, 32, 17067-17072. | 1.7 | 15 |
| 22 | Neural systems supporting and affecting economically relevant behavior. <i>Neuroscience and Neuroeconomics</i> , 2012, , 11. | 0.9 | 5 |
| 23 | Cerebral pathological and compensatory mechanisms in the premotor phase of leucine-rich repeat kinase 2 parkinsonism. <i>Brain</i> , 2012, 135, 3687-3698. | 3.7 | 33 |
| 24 | Prenatal Immune Activation Interacts with Genetic <i>Nurr1</i> Deficiency in the Development of Attentional Impairments. <i>Journal of Neuroscience</i> , 2012, 32, 436-451. | 1.7 | 115 |
| 25 | Neuromodulation of behavioral and cognitive development across the life span.. <i>Developmental Psychology</i> , 2012, 48, 810-814. | 1.2 | 15 |
| 26 | Systems Biology, Bioinformatics, and Biomarkers in Neuropsychiatry. <i>Frontiers in Neuroscience</i> , 2012, 6, 187. | 1.4 | 41 |
| 29 | Dopamine Enhances Model-Based over Model-Free Choice Behavior. <i>Neuron</i> , 2012, 75, 418-424. | 3.8 | 258 |
| 30 | When control fails: Influence of the prefrontal but not striatal dopaminergic system on behavioural flexibility in a change detection task. <i>Neuropharmacology</i> , 2012, 62, 1028-1033. | 2.0 | 20 |
| 31 | Dopaminergic modulation of hippocampus-dependent learning: Blockade of hippocampal D1-class receptors during learning impairs 1-trial place memory at a 30-min retention delay. <i>Neuropharmacology</i> , 2012, 63, 710-718. | 2.0 | 36 |
| 32 | Dopamine, serotonin and impulsivity. <i>Neuroscience</i> , 2012, 215, 42-58. | 1.1 | 394 |
| 33 | Modulation of Inhibition of Return by the Dopamine D2 Receptor Agonist Bromocriptine Depends on Individual DAT1 Genotype. <i>Cerebral Cortex</i> , 2012, 22, 1133-1138. | 1.6 | 10 |
| 34 | Trends and Issues in Characterizing Early Cognitive Changes in Parkinson's Disease. <i>Current Neurology and Neuroscience Reports</i> , 2012, 12, 695-702. | 2.0 | 9 |
| 35 | Controlling Human Striatal Cognitive Function via the Frontal Cortex. <i>Journal of Neuroscience</i> , 2012, 32, 5631-5637. | 1.7 | 60 |
| 36 | Genetic variants in the catechol-O-methyltransferase gene are associated with impulsivity and executive function: Relevance for major depression. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2012, 159B, 928-940. | 1.1 | 16 |
| 37 | The dopamine D1 but not D3 receptor plays a fundamental role in spatial working memory and BDNF expression in prefrontal cortex of mice. <i>Behavioural Brain Research</i> , 2012, 235, 36-41. | 1.2 | 31 |
| 38 | COMT Val158Met Genotype Determines the Direction of Cognitive Effects Produced by Catechol-O-Methyltransferase Inhibition. <i>Biological Psychiatry</i> , 2012, 71, 538-544. | 0.7 | 124 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 39 | The motor system and its disorders. <i>NeuroImage</i> , 2012, 61, 464-477. | 2.1 | 52 |
| 40 | Striatal dopamine D2/D3 receptor binding in pathological gambling is correlated with mood-related impulsivity. <i>NeuroImage</i> , 2012, 63, 40-46. | 2.1 | 173 |
| 41 | Prefrontal Dopaminergic and Enkephalinergic Synaptic Accommodation in HIV-associated Neurocognitive Disorders and Encephalitis. <i>Journal of Neuroimmune Pharmacology</i> , 2012, 7, 686-700. | 2.1 | 78 |
| 42 | Dopamine, Corticostriatal Connectivity, and Intertemporal Choice. <i>Journal of Neuroscience</i> , 2012, 32, 9402-9409. | 1.7 | 124 |
| 43 | Nigral grafts in animal models of Parkinson's disease. Is recovery beyond motor function possible?. <i>Progress in Brain Research</i> , 2012, 200, 113-142. | 0.9 | 9 |
| 44 | Practical Implications of Empirically Studying Moral Decision-Making. <i>Frontiers in Neuroscience</i> , 2012, 6, 94. | 1.4 | 9 |
| 45 | Bromocriptine Does Not Alter Speed-Accuracy Tradeoff. <i>Frontiers in Neuroscience</i> , 2012, 6, 126. | 1.4 | 25 |
| 46 | Dopamine Agonists and the Suppression of Impulsive Motor Actions in Parkinson Disease. <i>Journal of Cognitive Neuroscience</i> , 2012, 24, 1709-1724. | 1.1 | 66 |
| 47 | Cognitive and subjective effects of mephedrone and factors influencing use of a "new legal high". <i>Addiction</i> , 2012, 107, 792-800. | 1.7 | 95 |
| 48 | A novel glycine transporter-1 (GlyT1) inhibitor, ASP2535 (4-[3-isopropyl-5-(6-phenyl-3-pyridyl)-4H-1,2,4-triazol-4-yl]-2,1,3-benzoxadiazole), improves cognition in animal models of cognitive impairment in schizophrenia and Alzheimer's disease. <i>European Journal of Pharmacology</i> , 2012, 685, 59-69. | 1.7 | 57 |
| 49 | The 5-HT ₄ receptor levels in hippocampus correlates inversely with memory test performance in humans. <i>Human Brain Mapping</i> , 2013, 34, 3066-3074. | 1.9 | 51 |
| 50 | Blinking predicts enhanced cognitive control. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2013, 13, 346-354. | 1.0 | 47 |
| 51 | Anatomical connection strength predicts dopaminergic drug effects on fronto-striatal function. <i>Psychopharmacology</i> , 2013, 227, 521-531. | 1.5 | 27 |
| 52 | Dopamine Controls the Neural Dynamics of Memory Signals and Retrieval Accuracy. <i>Neuropsychopharmacology</i> , 2013, 38, 2409-2417. | 2.8 | 26 |
| 53 | Distinct manifestations of executive dysfunction in aged rats. <i>Neurobiology of Aging</i> , 2013, 34, 2164-2174. | 1.5 | 59 |
| 54 | Establishing causality for dopamine in neural function and behavior with optogenetics. <i>Brain Research</i> , 2013, 1511, 46-64. | 1.1 | 41 |
| 55 | Effects of oral 5-hydroxytryptophan on a standardized planning task: insight into possible dopamine/serotonin interactions in the forebrain. <i>Human Psychopharmacology</i> , 2013, 28, 270-273. | 0.7 | 7 |
| 56 | Dopaminergic modulation of memory and affective processing in Parkinson depression. <i>Psychiatry Research</i> , 2013, 210, 146-149. | 1.7 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 57 | What Part of Working Memory is not Working in ADHD? Short-Term Memory, the Central Executive and Effects of Reinforcement. <i>Journal of Abnormal Child Psychology</i> , 2013, 41, 901-917. | 3.5 | 48 |
| 58 | Working memory- and anxiety-related behavioral effects of repeated nicotine as a stressor: the role of cannabinoid receptors. <i>BMC Neuroscience</i> , 2013, 14, 20. | 0.8 | 17 |
| 59 | Antipsychotic medications and cognitive functioning in bipolar disorder: moderating effects of COMT Val108/158Met genotype. <i>BMC Psychiatry</i> , 2013, 13, 63. | 1.1 | 16 |
| 60 | Persistence of associations between cognitive impairment and motor dysfunction in the early phase of Parkinson's disease. <i>Journal of Neurology</i> , 2013, 260, 2228-2236. | 1.8 | 9 |
| 61 | Amelioration of Cognitive Control in Depression by Transcranial Direct Current Stimulation. <i>Biological Psychiatry</i> , 2013, 73, 646-651. | 0.7 | 176 |
| 62 | Effects of transcranial direct current stimulation (tDCS) on executive functions: Influence of COMT Val/Met polymorphism. <i>Cortex</i> , 2013, 49, 1801-1807. | 1.1 | 117 |
| 63 | Working Memory and Anticipatory Set Modulate Midbrain and Putamen Activity. <i>Journal of Neuroscience</i> , 2013, 33, 14040-14047. | 1.7 | 31 |
| 64 | The DOPA decarboxylase (DDC) gene is associated with alerting attention. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2013, 43, 140-145. | 2.5 | 6 |
| 65 | A Thalamocorticostriatal Dopamine Network for Psychostimulant-Enhanced Human Cognitive Flexibility. <i>Biological Psychiatry</i> , 2013, 74, 99-105. | 0.7 | 46 |
| 66 | Differential effects of amphetamine and haloperidol on temporal reproduction: Dopaminergic regulation of attention and clock speed. <i>Neuropsychologia</i> , 2013, 51, 284-292. | 0.7 | 110 |
| 67 | Effect of modafinil on impulsivity and relapse in alcohol dependent patients: A randomized, placebo-controlled trial. <i>European Neuropsychopharmacology</i> , 2013, 23, 948-955. | 0.3 | 45 |
| 68 | Mathematical model of dopamine autoreceptors and uptake inhibitors and their influence on tonic and phasic dopamine signaling. <i>Journal of Neurophysiology</i> , 2013, 109, 171-182. | 0.9 | 38 |
| 69 | Combined prenatal and postnatal butyl paraben exposure produces autism-like symptoms in offspring: Comparison with valproic acid autistic model. <i>Pharmacology Biochemistry and Behavior</i> , 2013, 111, 102-110. | 1.3 | 56 |
| 70 | Prefrontal dopamine signaling and cognitive symptoms of Parkinson's disease. <i>Reviews in the Neurosciences</i> , 2013, 24, 267-78. | 1.4 | 152 |
| 71 | Goals and Habits in the Brain. <i>Neuron</i> , 2013, 80, 312-325. | 3.8 | 799 |
| 72 | Future Viable Models of Psychiatry Drug Discovery in Pharma. <i>Journal of Biomolecular Screening</i> , 2013, 18, 509-521. | 2.6 | 14 |
| 73 | PET neuroimaging of extrastriatal dopamine receptors and prefrontal cortex functions. <i>Journal of Physiology (Paris)</i> , 2013, 107, 503-509. | 2.1 | 17 |
| 74 | Absence of congruency sequence effects reveals neurocognitive inflexibility in Parkinson's disease. <i>Neuropsychologia</i> , 2013, 51, 2976-2987. | 0.7 | 26 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 75 | Dopaminergic Gene Polymorphisms Affect Long-term Forgetting in Old Age: Further Support for the Magnification Hypothesis. <i>Journal of Cognitive Neuroscience</i> , 2013, 25, 571-579. | 1.1 | 35 |
| 76 | Moment-to-moment brain signal variability: A next frontier in human brain mapping?. <i>Neuroscience and Biobehavioral Reviews</i> , 2013, 37, 610-624. | 2.9 | 487 |
| 77 | Dopamine and training-related working-memory improvement. <i>Neuroscience and Biobehavioral Reviews</i> , 2013, 37, 2209-2219. | 2.9 | 76 |
| 78 | Aging magnifies the effects of dopamine transporter and D2 receptor genes on backward serial memory. <i>Neurobiology of Aging</i> , 2013, 34, 358.e1-358.e10. | 1.5 | 53 |
| 79 | COMT \tilde{A} - DRD4 Epistasis Impacts Prefrontal Cortex Function Underlying Response Control. <i>Cerebral Cortex</i> , 2013, 23, 1453-1462. | 1.6 | 34 |
| 80 | Differential and distributed effects of dopamine neuromodulations on resting-state network connectivity. <i>NeuroImage</i> , 2013, 78, 59-67. | 2.1 | 112 |
| 81 | The DRD2 C957T polymorphism and the Attentional Blink "A genetic association study. <i>European Neuropsychopharmacology</i> , 2013, 23, 941-947. | 0.3 | 8 |
| 82 | Neuromodulation and developmental contextual influences on neural and cognitive plasticity across the lifespan. <i>Neuroscience and Biobehavioral Reviews</i> , 2013, 37, 2201-2208. | 2.9 | 30 |
| 83 | The potential role of dopamine D3 receptor neurotransmission in cognition. <i>European Neuropsychopharmacology</i> , 2013, 23, 799-813. | 0.3 | 153 |
| 84 | Strain differences in profiles of dopaminergic neurotransmission in the prefrontal cortex of the BALB/C vs. C57Bl/6 mice: Consequences of stress and afobazole. <i>European Journal of Pharmacology</i> , 2013, 708, 95-104. | 1.7 | 23 |
| 85 | The role of dopamine in inhibitory control in smokers and non-smokers: A pharmacological fMRI study. <i>European Neuropsychopharmacology</i> , 2013, 23, 1247-1256. | 0.3 | 52 |
| 86 | Dissociable fronto-striatal effects of dopamine D2 receptor stimulation on cognitive versus motor flexibility. <i>Cortex</i> , 2013, 49, 2799-2811. | 1.1 | 47 |
| 87 | Neuromodulation in Tourette syndrome: Dopamine and beyond. <i>Neuroscience and Biobehavioral Reviews</i> , 2013, 37, 1069-1084. | 2.9 | 155 |
| 88 | Individual Differences in Cognitive Flexibility. <i>Biological Psychiatry</i> , 2013, 74, 78-79. | 0.7 | 3 |
| 89 | The catechol-o-methyltransferase Val158Met polymorphism modulates organization of regional cerebral blood flow response to working memory in adults. <i>International Journal of Psychophysiology</i> , 2013, 90, 149-156. | 0.5 | 7 |
| 90 | Catechol-O-methyltransferase (COMT) influences the connectivity of the prefrontal cortex at rest. <i>NeuroImage</i> , 2013, 68, 49-54. | 2.1 | 52 |
| 91 | Dopamine restores reward prediction errors in old age. <i>Nature Neuroscience</i> , 2013, 16, 648-653. | 7.1 | 233 |
| 92 | Mood states determine the degree of task shielding in dual-task performance. <i>Cognition and Emotion</i> , 2013, 27, 1142-1152. | 1.2 | 36 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 93 | Schizotypy, cognitive performance, and genetic risk for schizophrenia in a non-clinical population. <i>Personality and Individual Differences</i> , 2013, 55, 334-338. | 1.6 | 9 |
| 94 | 4-Hydroxypyridazin-3(2 <i>H</i>)-one Derivatives as Novel <i>α</i> -Amino Acid Oxidase Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 3582-3592. | 2.9 | 38 |
| 95 | The effects of clinical motor variables and medication dosage on working memory in Parkinson's disease. <i>Brain and Cognition</i> , 2013, 82, 137-145. | 0.8 | 23 |
| 96 | The genetic impact (C957T-DRD2) on inhibitory control is magnified by aging. <i>Neuropsychologia</i> , 2013, 51, 1377-1381. | 0.7 | 52 |
| 97 | D1 receptor agonists reverse the subchronic phencyclidine (PCP)-induced novel object recognition (NOR) deficit in female rats. <i>Behavioural Brain Research</i> , 2013, 238, 36-43. | 1.2 | 38 |
| 98 | Effects of nicotinic acetylcholine receptor agonists on cognition in rhesus monkeys with a chronic cocaine self-administration history. <i>Neuropharmacology</i> , 2013, 64, 479-488. | 2.0 | 34 |
| 99 | BDNF Val66Met and DRD2 Taq1A polymorphisms interact to influence PTSD symptom severity: A preliminary investigation in a South African population. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2013, 40, 273-280. | 2.5 | 34 |
| 100 | Effects of Acute Dopamine Precursor Depletion on Immediate Reward Selection Bias and Working Memory Depend on Catechol-O-methyltransferase Genotype. <i>Journal of Cognitive Neuroscience</i> , 2013, 25, 2061-2071. | 1.1 | 27 |
| 101 | Atropisomeric 4-Phenyl-4 <i>H</i> -1,2,4-triazoles as Selective Glycine Transporter 1 Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 5744-5756. | 2.9 | 30 |
| 102 | Striatal Denervation Pattern Predicts Levodopa Effects on Sequence Learning in Parkinson's Disease. <i>Journal of Motor Behavior</i> , 2013, 45, 423-429. | 0.5 | 11 |
| 104 | Dopaminergic Modulation of Motor Timing in Healthy Volunteers Differs as a Function of Baseline DA Precursor Availability. <i>Timing and Time Perception</i> , 2013, 1, 77-98. | 0.4 | 14 |
| 105 | Rhythm-specific modulation of the sensorimotor network in drug-naïve patients with Parkinson's disease by levodopa. <i>Brain</i> , 2013, 136, 710-725. | 3.7 | 178 |
| 106 | Nature or Nurture? Determining the Heritability of Human Striatal Dopamine Function: an [18F]-DOPA PET Study. <i>Neuropsychopharmacology</i> , 2013, 38, 485-491. | 2.8 | 30 |
| 107 | Working Memory Capacity Predicts Effects of Methylphenidate on Reversal Learning. <i>Neuropsychopharmacology</i> , 2013, 38, 2011-2018. | 2.8 | 54 |
| 108 | Perseveration and Choice in Parkinson's Disease: The Impact of Progressive Frontostriatal Dysfunction on Action Decisions. <i>Cerebral Cortex</i> , 2013, 23, 1572-1581. | 1.6 | 31 |
| 109 | Average Is Optimal: An Inverted-U Relationship between Trial-to-Trial Brain Activity and Behavioral Performance. <i>PLoS Computational Biology</i> , 2013, 9, e1003348. | 1.5 | 59 |
| 110 | Neural markers of negative symptom outcomes in distributed working memory brain activity of antipsychotic-naïve schizophrenia patients. <i>International Journal of Neuropsychopharmacology</i> , 2013, 16, 1195-1204. | 1.0 | 28 |
| 111 | Effect of modafinil on cognitive functions in alcohol dependent patients: A randomized, placebo-controlled trial. <i>Journal of Psychopharmacology</i> , 2013, 27, 998-1006. | 2.0 | 14 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 112 | Working-memory capacity protects model-based learning from stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 20941-20946. | 3.3 | 393 |
| 113 | Attentional switching forms a genetic link between attention problems and autistic traits in adults. <i>Psychological Medicine</i> , 2013, 43, 1985-1996. | 2.7 | 50 |
| 114 | Examining belief and confidence in schizophrenia. <i>Psychological Medicine</i> , 2013, 43, 2327-2338. | 2.7 | 25 |
| 115 | Decreased event-based prospective memory functioning in individuals with Parkinson's disease. <i>Journal of Neuropsychology</i> , 2013, 7, 153-163. | 0.6 | 10 |
| 116 | Lifespan development of neuromodulation of adaptive control and motivation as an ontogenetic mechanism for developmental niche construction. <i>Developmental Science</i> , 2013, 16, 317-319. | 1.3 | 2 |
| 117 | Functional Connectivity in Healthy Subjects Is Nonlinearly Modulated by the COMT and DRD2 Polymorphisms in a Functional System-Dependent Manner. <i>Journal of Neuroscience</i> , 2013, 33, 17519-17526. | 1.7 | 32 |
| 118 | Lack of Association Between COMT and Working Memory in a Population-Based Cohort of Healthy Young Adults. <i>Neuropsychopharmacology</i> , 2013, 38, 1253-1263. | 2.8 | 53 |
| 119 | Language control in bilinguals: The adaptive control hypothesis. <i>Journal of Cognitive Psychology</i> , 2013, 25, 515-530. | 0.4 | 1,092 |
| 120 | Dopaminergic medication counteracts conflict adaptation in patients with Parkinson's disease. <i>Neuropsychology</i> , 2013, 27, 556-561. | 1.0 | 22 |
| 121 | Reinforcement Learning and Dopamine in Schizophrenia: Dimensions of Symptoms or Specific Features of a Disease Group?. <i>Frontiers in Psychiatry</i> , 2013, 4, 172. | 1.3 | 74 |
| 122 | Executive dysfunction in Parkinson's disease and timing deficits. <i>Frontiers in Integrative Neuroscience</i> , 2013, 7, 75. | 1.0 | 80 |
| 123 | Serotonergic modulation of spatial working memory: predictions from a computational network model. <i>Frontiers in Integrative Neuroscience</i> , 2013, 7, 71. | 1.0 | 21 |
| 124 | Manganese neurotoxicity: new perspectives from behavioral, neuroimaging, and neuropathological studies in humans and non-human primates. <i>Frontiers in Aging Neuroscience</i> , 2013, 5, 23. | 1.7 | 156 |
| 125 | Genetic Variation in the Alpha Synuclein Gene (SNCA) Is Associated With BOLD Response to Alcohol Cues. <i>Journal of Studies on Alcohol and Drugs</i> , 2013, 74, 233-244. | 0.6 | 12 |
| 126 | COMT and ANKK1-Taq-Ia Genetic Polymorphisms Influence Visual Working Memory. <i>PLoS ONE</i> , 2013, 8, e55862. | 1.1 | 41 |
| 127 | Dopamine Transporter Genotype Dependent Effects of Apomorphine on Cold Pain Tolerance in Healthy Volunteers. <i>PLoS ONE</i> , 2013, 8, e63808. | 1.1 | 18 |
| 128 | Distractor Inhibition Predicts Individual Differences in Recovery from the Attentional Blink. <i>PLoS ONE</i> , 2013, 8, e64681. | 1.1 | 14 |
| 129 | Association between the Catechol O-Methyltransferase (COMT) Val158met Polymorphism and Different Dimensions of Impulsivity. <i>PLoS ONE</i> , 2013, 8, e73509. | 1.1 | 22 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 130 | Effects of PPP1R1B (DARPP-32) Polymorphism on Feedback-Related Brain Potentials Across the Life Span. <i>Frontiers in Psychology</i> , 2013, 4, 89. | 1.1 | 11 |
| 131 | Paradoxical dopaminergic drug effects in extraversion: dose- and time-dependent effects of sulpiride on EEG theta activity. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 117. | 1.0 | 57 |
| 132 | The effects of methylphenidate on cognitive performance of healthy male rats. <i>Frontiers in Neuroscience</i> , 2013, 7, 97. | 1.4 | 5 |
| 133 | Dopaminergic drug effects during reversal learning depend on anatomical connections between the orbitofrontal cortex and the amygdala. <i>Frontiers in Neuroscience</i> , 2013, 7, 142. | 1.4 | 12 |
| 134 | Dopaminergic control of cognitive flexibility in humans and animals. <i>Frontiers in Neuroscience</i> , 2013, 7, 201. | 1.4 | 173 |
| 135 | Neuropharmakologische funktionelle Bildgebung. <i>E-Neuroforum</i> , 2013, 19, 156-162. | 0.2 | 0 |
| 136 | An Approach for Identifying Brainstem Dopaminergic Pathways Using Resting State Functional MRI. <i>PLoS ONE</i> , 2014, 9, e87109. | 1.1 | 11 |
| 137 | Early Effects of Reward Anticipation Are Modulated by Dopaminergic Stimulation. <i>PLoS ONE</i> , 2014, 9, e108886. | 1.1 | 8 |
| 138 | Keep focussing: striatal dopamine multiple functions resolved in a single mechanism tested in a simulated humanoid robot. <i>Frontiers in Psychology</i> , 2014, 5, 124. | 1.1 | 32 |
| 139 | Response Inhibition and Interference Control in Obsessive-Compulsive Spectrum Disorders. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 419. | 1.0 | 124 |
| 140 | Arterial spin labeling versus BOLD in direct challenge and drug-task interaction pharmacological fMRI. <i>PeerJ</i> , 2014, 2, e687. | 0.9 | 21 |
| 141 | A Study on the Mechanism by Which MDMA Protects Against Dopaminergic Dysfunction After Minimal Traumatic Brain Injury (mTBI) in Mice. <i>Journal of Molecular Neuroscience</i> , 2014, 54, 684-697. | 1.1 | 13 |
| 142 | Ovarian Cycle Effects on Immediate Reward Selection Bias in Humans: A Role for Estradiol. <i>Journal of Neuroscience</i> , 2014, 34, 5468-5476. | 1.7 | 76 |
| 143 | Striatal and extrastriatal dopamine transporter levels relate to cognition in Lewy body diseases: an 11C altoprane positron emission tomography study. <i>Alzheimer's Research and Therapy</i> , 2014, 6, 52. | 3.0 | 29 |
| 144 | Neural substrates of impulsive decision making modulated by modafinil in alcohol-dependent patients. <i>Psychological Medicine</i> , 2014, 44, 2787-2798. | 2.7 | 48 |
| 145 | Reward determines the context-sensitivity of cognitive control.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2014, 40, 1769-1778. | 0.7 | 28 |
| 146 | Genetic variants and cognitive aging: Destiny or a nudge?. <i>Psychology and Aging</i> , 2014, 29, 359-362. | 1.4 | 15 |
| 147 | Genetic Polymorphisms Regulating Dopamine Signaling in the Frontal Cortex Interact to Affect Target Detection under High Working Memory Load. <i>Journal of Cognitive Neuroscience</i> , 2014, 26, 395-407. | 1.1 | 12 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 148 | Neuromodulation and aging: implications of aging neuronal gain control on cognition. <i>Current Opinion in Neurobiology</i> , 2014, 29, 148-158. | 2.0 | 130 |
| 149 | Living in the moment: Effects of time perspective and emotional valence of episodic thinking on delay discounting. <i>Behavioral Neuroscience</i> , 2014, 128, 12-19. | 0.6 | 138 |
| 150 | Age-related and Genetic Modulation of Frontal Cortex Efficiency. <i>Journal of Cognitive Neuroscience</i> , 2014, 26, 746-754. | 1.1 | 70 |
| 151 | Cognitive control in alcohol use disorder: deficits and clinical relevance. <i>Reviews in the Neurosciences</i> , 2014, 25, 1-24. | 1.4 | 125 |
| 152 | COMT polymorphism and memory dedifferentiation in old age. <i>Psychology and Aging</i> , 2014, 29, 374-383. | 1.4 | 31 |
| 153 | Dopamine Treatment and Cognitive Functioning in Individuals with Parkinson's Disease: The "Cognitive Flexibility-Hypothesis Seems to Work. <i>Behavioural Neurology</i> , 2014, 2014, 1-11. | 1.1 | 33 |
| 154 | Dysfunction and Dysconnection in Cortical-Striatal Networks during Sustained Attention: Genetic Risk for Schizophrenia or Bipolar Disorder and its Impact on Brain Network Function. <i>Frontiers in Psychiatry</i> , 2014, 5, 50. | 1.3 | 45 |
| 155 | Sex Differences Distinguish Intracortical Glutamate Receptor-Mediated Regulation of Extracellular Dopamine Levels in the Prefrontal Cortex of Adult Rats. <i>Cerebral Cortex</i> , 2016, 26, bhu222. | 1.6 | 27 |
| 156 | Genetic impact on cognition and brain function in newly diagnosed Parkinson's disease: ICICLE-PD study. <i>Brain</i> , 2014, 137, 2743-2758. | 3.7 | 127 |
| 157 | Association of COMT Val158Met and DRD2 G/T genetic polymorphisms with individual differences in motor learning and performance in female young adults. <i>Journal of Neurophysiology</i> , 2014, 111, 628-640. | 0.9 | 37 |
| 158 | Cognitive impairment in early-stage non-demented Parkinson's disease patients. <i>Acta Neurologica Scandinavica</i> , 2014, 129, 307-318. | 1.0 | 123 |
| 159 | When Cognitive Control Is Not Adaptive. <i>Psychological Science</i> , 2014, 25, 1249-1255. | 1.8 | 81 |
| 160 | Examining dorsal striatum in cognitive effort using Parkinson's disease and fMRI. <i>Annals of Clinical and Translational Neurology</i> , 2014, 1, 390-400. | 1.7 | 21 |
| 161 | Wheel running alters patterns of uncontrollable stress-induced cfos mRNA expression in rat dorsal striatum direct and indirect pathways: A possible role for plasticity in adenosine receptors. <i>Behavioural Brain Research</i> , 2014, 272, 252-263. | 1.2 | 21 |
| 162 | Development and manipulation of spontaneous eye blinking in the first year: Relationships to context and positive affect. <i>Developmental Psychobiology</i> , 2014, 56, 783-796. | 0.9 | 12 |
| 163 | D ₁ -Dependent 4 Hz Oscillations and Ramping Activity in Rodent Medial Frontal Cortex during Interval Timing. <i>Journal of Neuroscience</i> , 2014, 34, 16774-16783. | 1.7 | 102 |
| 164 | Effect of methylphenidate on attention in apathetic AD patients in a randomized, placebo-controlled trial. <i>International Psychogeriatrics</i> , 2014, 26, 239-246. | 0.6 | 40 |
| 165 | What light have resting state fMRI studies shed on cognition and mood in Parkinson's disease?. <i>Journal of Clinical Movement Disorders</i> , 2014, 1, 4. | 2.2 | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 166 | Establishing the Dopamine Dependency of Human Striatal Signals During Reward and Punishment Reversal Learning. <i>Cerebral Cortex</i> , 2014, 24, 633-642. | 1.6 | 83 |
| 167 | Prefrontal Control and Internet Addiction: A Theoretical Model and Review of Neuropsychological and Neuroimaging Findings. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 375. | 1.0 | 353 |
| 168 | Prepulse Inhibition is Associated with Attention, Processing Speed, and 123I-PP-CIT SPECT in Parkinson's Disease. <i>Journal of Parkinson's Disease</i> , 2014, 4, 77-87. | 1.5 | 16 |
| 169 | Nonlinear Dose-Dependent Impact of D1 Receptor Activation on Motor Cortex Plasticity in Humans. <i>Journal of Neuroscience</i> , 2014, 34, 2744-2753. | 1.7 | 73 |
| 170 | Prospective Memory Performance of Patients with Parkinson's Disease Depends on Shifting Aptitude: Evidence from Cognitive Rehabilitation. <i>Journal of the International Neuropsychological Society</i> , 2014, 20, 717-726. | 1.2 | 23 |
| 171 | Dopey dopamine: high tonic results in ironic performance. <i>Trends in Cognitive Sciences</i> , 2014, 18, 340-341. | 4.0 | 6 |
| 172 | The effects of nicotine on cognition are dependent on baseline performance. <i>European Neuropsychopharmacology</i> , 2014, 24, 1015-1023. | 0.3 | 27 |
| 173 | Genetic variations in dopamine and inhibitory control: Lack of influence on action restraint. <i>Behavioural Brain Research</i> , 2014, 267, 12-16. | 1.2 | 16 |
| 174 | Higher dopamine release induced by less rather than more preferred reward during a working memory task in the primate prefrontal cortex. <i>Behavioural Brain Research</i> , 2014, 266, 104-107. | 1.2 | 24 |
| 175 | Imaging addiction: D2 receptors and dopamine signaling in the striatum as biomarkers for impulsivity. <i>Neuropharmacology</i> , 2014, 76, 498-509. | 2.0 | 135 |
| 176 | The neural and genetic basis of executive function: Attention, cognitive flexibility, and response inhibition. <i>Pharmacology Biochemistry and Behavior</i> , 2014, 123, 45-54. | 1.3 | 308 |
| 177 | Levodopa inhibits habit-learning in Parkinson's disease. <i>Journal of Neural Transmission</i> , 2014, 121, 147-151. | 1.4 | 12 |
| 178 | DRD2 genotype predicts prefrontal activity during working memory after stimulation of D2 receptors with bromocriptine. <i>Psychopharmacology</i> , 2014, 231, 2361-2370. | 1.5 | 14 |
| 179 | Monoaminergic modulation of behavioural and electrophysiological indices of error processing. <i>Psychopharmacology</i> , 2014, 231, 379-392. | 1.5 | 33 |
| 180 | Decreased prefrontal cortex dopamine activity following adolescent social defeat in male rats: role of dopamine D2 receptors. <i>Psychopharmacology</i> , 2014, 231, 1627-1636. | 1.5 | 49 |
| 181 | Predictive validity of a MK-801-induced cognitive impairment model in mice: Implications on the potential limitations and challenges of modeling cognitive impairment associated with schizophrenia preclinically. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2014, 49, 53-62. | 2.5 | 34 |
| 182 | Differential, but not opponent, effects of l-DOPA and citalopram on action learning with reward and punishment. <i>Psychopharmacology</i> , 2014, 231, 955-966. | 1.5 | 89 |
| 183 | Chronic Alcohol Disrupts Dopamine Receptor Activity and the Cognitive Function of the Medial Prefrontal Cortex. <i>Journal of Neuroscience</i> , 2014, 34, 3706-3718. | 1.7 | 104 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 184 | Levodopa reinstates connectivity from prefrontal to premotor cortex during externally paced movement in Parkinson's disease. <i>NeuroImage</i> , 2014, 90, 15-23. | 2.1 | 51 |
| 185 | Individual Differences in Attentional Deficits and Dopaminergic Protein Levels following Exposure to Proton Radiation. <i>Radiation Research</i> , 2014, 181, 258-271. | 0.7 | 90 |
| 186 | Developmental imaging genetics: Linking dopamine function to adolescent behavior. <i>Brain and Cognition</i> , 2014, 89, 27-38. | 0.8 | 69 |
| 187 | Functional brain networks and cognitive deficits in Parkinson's disease. <i>Human Brain Mapping</i> , 2014, 35, 4620-4634. | 1.9 | 189 |
| 188 | Ventral striatal responsiveness during reward anticipation in ADHD and its relation to trait impulsivity in the healthy population: A meta-analytic review of the fMRI literature. <i>Neuroscience and Biobehavioral Reviews</i> , 2014, 38, 125-134. | 2.9 | 348 |
| 189 | The impact of cafeteria diet feeding on physiology and anxiety-related behaviour in male and female Sprague-Dawley rats of different ages. <i>Pharmacology Biochemistry and Behavior</i> , 2014, 116, 45-54. | 1.3 | 34 |
| 190 | Modulating effect of COMT genotype on the brain regions underlying proactive control process during inhibition. <i>Cortex</i> , 2014, 50, 148-161. | 1.1 | 27 |
| 191 | Brain systems underlying attentional control and emotional distraction during working memory encoding. <i>NeuroImage</i> , 2014, 87, 276-286. | 2.1 | 22 |
| 192 | Pain anticipation recruits the mesolimbic system and differentially modulates subsequent recognition memory. <i>Human Brain Mapping</i> , 2014, 35, 4594-4606. | 1.9 | 27 |
| 193 | Task-evoked substantia nigra hyperactivity associated with prefrontal hypofunction, prefrontonigral disconnectivity and nigrostriatal connectivity predicting psychosis severity in medication naïve first episode schizophrenia. <i>Schizophrenia Research</i> , 2014, 159, 521-526. | 1.1 | 25 |
| 194 | Contributions of <sc>COMT</sc> Val¹⁵⁸Met to cognitive stability and flexibility in infancy. <i>Developmental Science</i> , 2014, 17, 396-411. | 1.3 | 14 |
| 195 | Dopamine and the Cognitive Downside of a Promised Bonus. <i>Psychological Science</i> , 2014, 25, 1003-1009. | 1.8 | 55 |
| 196 | Reward Acts on the pFC to Enhance Distractor Resistance of Working Memory Representations. <i>Journal of Cognitive Neuroscience</i> , 2014, 26, 2812-2826. | 1.1 | 27 |
| 197 | Dopaminergic Modulation of Cortical Plasticity in Alzheimer's Disease Patients. <i>Neuropsychopharmacology</i> , 2014, 39, 2654-2661. | 2.8 | 121 |
| 198 | Dopamine DRD2/ANKK1 Taq1A and DAT1 VNTR polymorphisms are associated with a cognitive flexibility profile in pathological gamblers. <i>Journal of Psychopharmacology</i> , 2014, 28, 1170-1177. | 2.0 | 28 |
| 199 | COMT Val158Met genotype is associated with fluctuations in working memory performance: converging evidence from behavioural and single-trial P3b measures. <i>NeuroImage</i> , 2014, 100, 489-497. | 2.1 | 23 |
| 200 | Agentic extraversion moderates the effect of physical exercise on executive shifting performance. <i>Journal of Research in Personality</i> , 2014, 52, 37-41. | 0.9 | 6 |
| 201 | Emotional modulation of control dilemmas: The role of positive affect, reward, and dopamine in cognitive stability and flexibility. <i>Neuropsychologia</i> , 2014, 62, 403-423. | 0.7 | 201 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 202 | Increased DAT binding in the early stage of the dopaminergic lesion: A longitudinal [11C]PE2I binding study in the MPTP-monkey. <i>NeuroImage</i> , 2014, 102, 249-261. | 2.1 | 15 |
| 203 | Serotonin Regulates Performance Nonmonotonically in a Spatial Working Memory Network. <i>Cerebral Cortex</i> , 2014, 24, 2449-2463. | 1.6 | 44 |
| 204 | Gastrodin Ameliorates Memory Deficits in 3,3'-Iminodipropionitrile-Induced Rats: Possible Involvement of Dopaminergic System. <i>Neurochemical Research</i> , 2014, 39, 1458-1466. | 1.6 | 24 |
| 205 | The differential influences of positive affect, random reward, and performance-contingent reward on cognitive control. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2014, 14, 530-547. | 1.0 | 109 |
| 206 | CapMan: independent investigation of capacity and manipulation with a new working memory paradigm. <i>Brain Imaging and Behavior</i> , 2014, 8, 475-479. | 1.1 | 2 |
| 207 | Dopaminergic function in relation to genes associated with risk for schizophrenia. <i>Progress in Brain Research</i> , 2014, 211, 79-112. | 0.9 | 18 |
| 208 | Epistatic interaction between COMT and DTNBP1 modulates prefrontal function in mice and in humans. <i>Molecular Psychiatry</i> , 2014, 19, 311-316. | 4.1 | 62 |
| 209 | Dopaminergic stimulation facilitates working memory and differentially affects prefrontal low theta oscillations. <i>NeuroImage</i> , 2014, 94, 185-192. | 2.1 | 40 |
| 210 | Action versus valence in decision making. <i>Trends in Cognitive Sciences</i> , 2014, 18, 194-202. | 4.0 | 223 |
| 211 | Increase in medial frontal cortex ERK activation following the induction of apomorphine sensitization. <i>Pharmacology Biochemistry and Behavior</i> , 2014, 118, 60-68. | 1.3 | 9 |
| 212 | Sex differences in response to amphetamine in adult Long-Evans rats performing a delay-discounting task. <i>Pharmacology Biochemistry and Behavior</i> , 2014, 118, 1-9. | 1.3 | 35 |
| 213 | Tricks of the mind: Visual hallucinations as disorders of attention. <i>Progress in Neurobiology</i> , 2014, 116, 58-65. | 2.8 | 156 |
| 214 | All Competition Is Not Alike: Neural Mechanisms for Resolving Underdetermined and Prepotent Competition. <i>Journal of Cognitive Neuroscience</i> , 2014, 26, 2608-2623. | 1.1 | 20 |
| 215 | Mechanisms of motivation-cognition interaction: challenges and opportunities. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2014, 14, 443-472. | 1.0 | 263 |
| 216 | Greater striatal responses to medication in Parkinson's disease are associated with better task-switching but worse reward performance. <i>Neuropsychologia</i> , 2014, 62, 390-397. | 0.7 | 54 |
| 217 | PET studies in nonhuman primate models of cocaine abuse: Translational research related to vulnerability and neuroadaptations. <i>Neuropharmacology</i> , 2014, 84, 138-151. | 2.0 | 32 |
| 218 | Sex-specific associations between plasma oxytocin levels and schizotypal personality features in healthy individuals. <i>Journal of Psychiatric Research</i> , 2014, 51, 37-41. | 1.5 | 15 |
| 219 | Dual role of nicotine in addiction and cognition: A review of neuroimaging studies in humans. <i>Neuropharmacology</i> , 2014, 84, 111-122. | 2.0 | 129 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 220 | Addiction science: Uncovering neurobiological complexity. <i>Neuropharmacology</i> , 2014, 76, 235-249. | 2.0 | 167 |
| 221 | GAMIT – A Fading-Gaussian Activation Model of Interval-Timing: Unifying Prospective and Retrospective Time Estimation. <i>Timing & Time Perception Reviews</i> , 2014, 1, 1-17. | 1.4 | 14 |
| 222 | Daily fluctuations in positive affect positively co-vary with working memory performance.. <i>Emotion</i> , 2014, 14, 1-6. | 1.5 | 71 |
| 223 | Attention shifting in Parkinson's disease: An analysis of behavioral and cortical responses.. <i>Neuropsychology</i> , 2014, 28, 929-944. | 1.0 | 20 |
| 224 | Impaired planning in Parkinson's disease is reflected by reduced brain activation and connectivity. <i>Human Brain Mapping</i> , 2015, 36, 3703-3715. | 1.9 | 35 |
| 225 | Interactions between glutamate, dopamine, and the neuronal signature of response inhibition in the human striatum. <i>Human Brain Mapping</i> , 2015, 36, 4031-4040. | 1.9 | 22 |
| 226 | Translational Models of Gambling-Related Decision-Making. <i>Current Topics in Behavioral Neurosciences</i> , 2015, 28, 93-120. | 0.8 | 32 |
| 227 | Kiss of the muse for the chosen ones: De novo schizotypal traits and lifetime creative achievement are related to changes in divergent thinking during dopaminergic therapy in Parkinson's disease.. <i>Psychology of Aesthetics, Creativity, and the Arts</i> , 2015, 9, 328-339. | 1.0 | 13 |
| 228 | Examining associations between psychosis risk, social anhedonia, and performance of striatum-related behavioral tasks.. <i>Journal of Abnormal Psychology</i> , 2015, 124, 507-518. | 2.0 | 24 |
| 229 | Cognitive control of speech perception across the lifespan: A large-scale cross-sectional dichotic listening study.. <i>Developmental Psychology</i> , 2015, 51, 806-815. | 1.2 | 22 |
| 230 | Reliable Attention Network Scores and Mutually Inhibited Inter-network Relationships Revealed by Mixed Design and Non-orthogonal Method. <i>Scientific Reports</i> , 2015, 5, 10251. | 1.6 | 15 |
| 231 | A potential interaction between COMT and MTHFR genetic variants in Han Chinese patients with bipolar II disorder. <i>Scientific Reports</i> , 2015, 5, 8813. | 1.6 | 12 |
| 232 | Complete or partial reduction of the Met receptor tyrosine kinase in distinct circuits differentially impacts mouse behavior. <i>Journal of Neurodevelopmental Disorders</i> , 2015, 7, 35. | 1.5 | 22 |
| 233 | Reduced neural connectivity but increased task-related activity during working memory in de novo Parkinson patients. <i>Human Brain Mapping</i> , 2015, 36, 1554-1566. | 1.9 | 57 |
| 234 | Genetic contributions to attentional response time slopes across repeated trials. <i>BMC Neuroscience</i> , 2015, 16, 66. | 0.8 | 3 |
| 235 | Argument for a non-linear relationship between severity of human obesity and dopaminergic tone. <i>Obesity Reviews</i> , 2015, 16, 821-830. | 3.1 | 89 |
| 236 | Influences of a DRD2 polymorphism on updating of long-term memory representations and caudate BOLD activity: Magnification in aging. <i>Human Brain Mapping</i> , 2015, 36, 1325-1334. | 1.9 | 25 |
| 237 | Long-term cognitive follow-up of Parkinson's disease patients with impulse control disorders. <i>Movement Disorders</i> , 2015, 30, 696-704. | 2.2 | 35 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 238 | Posttraumatic Brain Injury Cognitive Performance Is Moderated by Variation Within ANKK1 and DRD2 Genes. <i>Journal of Head Trauma Rehabilitation</i> , 2015, 30, E54-E66. | 1.0 | 43 |
| 239 | Between Persistence and Flexibility. <i>Advances in Motivation Science</i> , 2015, , 33-67. | 2.2 | 85 |
| 240 | Culture as a Response to Uncertainty. , 2015, , . | | 1 |
| 241 | The alteration of gray matter volume and cognitive control in adolescents with internet gaming disorder. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 64. | 1.0 | 79 |
| 242 | Acute physical exercise improves shifting in adolescents at school: evidence for a dopaminergic contribution. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 196. | 1.0 | 26 |
| 243 | Brain-derived neurotrophic factor serum levels correlate with cognitive performance in Parkinsonâ€™s disease patients with mild cognitive impairment. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 253. | 1.0 | 55 |
| 244 | Infusion of D1 Dopamine Receptor Agonist into Medial Frontal Cortex Disrupts Neural Correlates of Interval Timing. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 294. | 1.0 | 47 |
| 245 | The contribution of interindividual factors to variability of response in transcranial direct current stimulation studies. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 181. | 1.8 | 340 |
| 246 | The Dopamine Imbalance Hypothesis of Fatigue in Multiple Sclerosis and Other Neurological Disorders. <i>Frontiers in Neurology</i> , 2015, 6, 52. | 1.1 | 170 |
| 247 | A pilot study on the effect of cognitive training on BDNF serum levels in individuals with Parkinsonâ€™s disease. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 130. | 1.0 | 72 |
| 248 | Individual differences in approach-avoidance aptitude: some clues from research on Parkinsonâ€™s disease. <i>Frontiers in Systems Neuroscience</i> , 2015, 9, 43. | 1.2 | 8 |
| 249 | Information maintenance in working memory: an integrated presentation of cognitive and neural concepts. <i>Frontiers in Systems Neuroscience</i> , 2015, 9, 104. | 1.2 | 6 |
| 250 | Reward Sensitivity Modulates Brain Activity in the Prefrontal Cortex, ACC and Striatum during Task Switching. <i>PLoS ONE</i> , 2015, 10, e0123073. | 1.1 | 13 |
| 251 | A Population Based Study of the Genetic Association between Catecholamine Gene Variants and Spontaneous Low-Frequency Fluctuations in Reaction Time. <i>PLoS ONE</i> , 2015, 10, e0126461. | 1.1 | 2 |
| 252 | Genetic Influence on Slope Variability in a Childhood Reflexive Attention Task. <i>PLoS ONE</i> , 2015, 10, e0130668. | 1.1 | 2 |
| 253 | Patterns of Spontaneous Local Network Activity in Developing Cerebral Cortex: Relationship to Adult Cognitive Function. <i>PLoS ONE</i> , 2015, 10, e0131259. | 1.1 | 0 |
| 254 | From specificity to sensitivity: affective states modulate visual working memory for emotional expressive faces. <i>Frontiers in Psychology</i> , 2015, 6, 1297. | 1.1 | 11 |
| 255 | Dopaminergic modulation of positive expectations for goal-directed action: evidence from Parkinsonâ€™s disease. <i>Frontiers in Psychology</i> , 2015, 6, 1514. | 1.1 | 14 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 256 | Genetic influences on insight problem solving: the role of catechol-O-methyltransferase (COMT) gene polymorphisms. <i>Frontiers in Psychology</i> , 2015, 6, 1569. | 1.1 | 17 |
| 257 | Differential effects of white noise in cognitive and perceptual tasks. <i>Frontiers in Psychology</i> , 2015, 6, 1639. | 1.1 | 29 |
| 258 | Music in Research and Rehabilitation of Disorders of Consciousness: Psychological and Neurophysiological Foundations. <i>Frontiers in Psychology</i> , 2015, 6, 1763. | 1.1 | 22 |
| 259 | Dopaminergic Modulation of Medial Prefrontal Cortex Deactivation in Parkinson Depression. <i>Parkinson's Disease</i> , 2015, 2015, 1-11. | 0.6 | 9 |
| 261 | Reward modulation of cognitive function in adult attention-deficit/hyperactivity disorder. <i>Behavioural Pharmacology</i> , 2015, 26, 227-240. | 0.8 | 35 |
| 262 | Getting stuck with pornography? Overuse or neglect of cybersex cues in a multitasking situation is related to symptoms of cybersex addiction. <i>Journal of Behavioral Addictions</i> , 2015, 4, 14-21. | 1.9 | 47 |
| 263 | Amphetamine modulates brain signal variability and working memory in younger and older adults. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7593-7598. | 3.3 | 94 |
| 264 | Prevalence and diagnostic validity of motivational impairments and deficits in visuospatial short-term memory and working memory in ADHD subtypes. <i>European Child and Adolescent Psychiatry</i> , 2015, 24, 575-590. | 2.8 | 24 |
| 266 | The neuroplastic effect of working memory training in healthy volunteers and patients with schizophrenia: Implications for cognitive rehabilitation. <i>Neuropsychologia</i> , 2015, 75, 149-162. | 0.7 | 45 |
| 267 | A Placebo-Controlled Trial of Dextromethorphan as an Adjunct in Opioid-Dependent Patients Undergoing Methadone Maintenance Treatment. <i>International Journal of Neuropsychopharmacology</i> , 2015, 18, pyv008-pyv008. | 1.0 | 16 |
| 268 | Where smart brains are different: A quantitative meta-analysis of functional and structural brain imaging studies on intelligence. <i>Intelligence</i> , 2015, 51, 10-27. | 1.6 | 246 |
| 270 | Active Inference, homeostatic regulation and adaptive behavioural control. <i>Progress in Neurobiology</i> , 2015, 134, 17-35. | 2.8 | 458 |
| 271 | Methylphenidate Effects on Brain Activity as a Function of SLC6A3 Genotype and Striatal Dopamine Transporter Availability. <i>Neuropsychopharmacology</i> , 2015, 40, 736-745. | 2.8 | 22 |
| 272 | Dopamine and cognitive control: Sex-by-genotype interactions influence the capacity to switch attention. <i>Behavioural Brain Research</i> , 2015, 281, 96-101. | 1.2 | 26 |
| 273 | Dopaminergic medication alters auditory distractor processing in Parkinson's disease. <i>Acta Psychologica</i> , 2015, 156, 45-56. | 0.7 | 22 |
| 274 | Modulation of nicotine effects on selective attention by DRD2 and CHRNA4 gene polymorphisms. <i>Psychopharmacology</i> , 2015, 232, 2323-2331. | 1.5 | 15 |
| 275 | Increased dopamine D2 receptor activity in the striatum alters the firing pattern of dopamine neurons in the ventral tegmental area. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E1498-506. | 3.3 | 56 |
| 276 | Sequential movement skill in Parkinson's disease: A state-of-the-art. <i>Cortex</i> , 2015, 65, 102-112. | 1.1 | 44 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 277 | Selective Augmentation of Striatal Functional Connectivity Following NMDA Receptor Antagonism: Implications for Psychosis. <i>Neuropsychopharmacology</i> , 2015, 40, 622-631. | 2.8 | 42 |
| 278 | Effects of levodopa on regional cerebral metabolism and blood flow. <i>Movement Disorders</i> , 2015, 30, 54-63. | 2.2 | 37 |
| 279 | Genetic predictor of working memory and prefrontal function in women with HIV. <i>Journal of NeuroVirology</i> , 2015, 21, 81-91. | 1.0 | 24 |
| 280 | Cognitive effort: A neuroeconomic approach. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2015, 15, 395-415. | 1.0 | 354 |
| 281 | Influence of Motivation on Control Hierarchy in the Human Frontal Cortex. <i>Journal of Neuroscience</i> , 2015, 35, 3207-3217. | 1.7 | 67 |
| 282 | Effects of prior cocaine self-administration on cognitive performance in female cynomolgus monkeys. <i>Psychopharmacology</i> , 2015, 232, 2007-2016. | 1.5 | 17 |
| 283 | Functional dysconnectivity of corticostriatal circuitry and differential response to methylphenidate in youth with attention-deficit/hyperactivity disorder. <i>Journal of Psychiatry and Neuroscience</i> , 2015, 40, 46-57. | 1.4 | 55 |
| 284 | Genotype status of the dopamine-related catechol-O-methyltransferase (COMT) gene corresponds with desirability of "unhealthy" foods. <i>Appetite</i> , 2015, 92, 74-80. | 1.8 | 14 |
| 285 | Dopaminergic modulation of the trade-off between probability and time in economic decision-making. <i>European Neuropsychopharmacology</i> , 2015, 25, 817-827. | 0.3 | 19 |
| 286 | Dopamine and executive function: Increased spontaneous eye blink rates correlate with better set-shifting and inhibition, but poorer updating. <i>International Journal of Psychophysiology</i> , 2015, 96, 155-161. | 0.5 | 45 |
| 287 | Differential optimal dopamine levels for set-shifting and working memory in Parkinson's disease. <i>Neuropsychologia</i> , 2015, 77, 42-51. | 0.7 | 41 |
| 288 | Prefrontal and Striatal Glutamate Differently Relate to Striatal Dopamine: Potential Regulatory Mechanisms of Striatal Presynaptic Dopamine Function?. <i>Journal of Neuroscience</i> , 2015, 35, 9615-9621. | 1.7 | 50 |
| 289 | Improving response inhibition systems in frontotemporal dementia with citalopram. <i>Brain</i> , 2015, 138, 1961-1975. | 3.7 | 71 |
| 290 | Dopamine's Actions in Primate Prefrontal Cortex: Challenges for Treating Cognitive Disorders. <i>Pharmacological Reviews</i> , 2015, 67, 681-696. | 7.1 | 126 |
| 291 | Cortical thickness differences in the prefrontal cortex in children and adolescents with ADHD in relation to dopamine transporter (DAT1) genotype. <i>Psychiatry Research - Neuroimaging</i> , 2015, 233, 409-417. | 0.9 | 31 |
| 292 | Influence of COMT genotype and affective distractors on the processing of self-generated thought. <i>Social Cognitive and Affective Neuroscience</i> , 2015, 10, 777-782. | 1.5 | 11 |
| 293 | Cortical Membrane Potential Signature of Optimal States for Sensory Signal Detection. <i>Neuron</i> , 2015, 87, 179-192. | 3.8 | 621 |
| 294 | Dopamine, urges to smoke, and the relative salience of drug versus non-drug reward. <i>Social Cognitive and Affective Neuroscience</i> , 2015, 10, 85-92. | 1.5 | 13 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 295 | Putative therapeutic targets for symptom subtypes of adult ADHD: D4 receptor agonism and COMT inhibition improve attention and response inhibition in a novel translational animal model. <i>European Neuropsychopharmacology</i> , 2015, 25, 454-467. | 0.3 | 34 |
| 296 | Brain dopaminergic system related genetic variability interacts with target/mask timing in metacontrast masking. <i>Neuropsychologia</i> , 2015, 71, 112-118. | 0.7 | 14 |
| 297 | Dopaminergic modulation of distracter-resistance and prefrontal delay period signal. <i>Psychopharmacology</i> , 2015, 232, 1061-1070. | 1.5 | 33 |
| 298 | Retinal dysfunction of contrast processing in major depression also apparent in cortical activity. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2015, 265, 343-350. | 1.8 | 40 |
| 299 | New therapeutic strategies targeting D1-type dopamine receptors for neuropsychiatric disease. <i>Frontiers in Biology</i> , 2015, 10, 230-238. | 0.7 | 17 |
| 300 | Modulating the map. <i>Progress in Brain Research</i> , 2015, 219, 187-216. | 0.9 | 13 |
| 301 | Dopamine Modulates Egalitarian Behavior in Humans. <i>Current Biology</i> , 2015, 25, 912-919. | 1.8 | 58 |
| 303 | Dorsal striatum mediates cognitive control, not cognitive effort per se , in decision-making: An event-related fMRI study. <i>NeuroImage</i> , 2015, 114, 170-184. | 2.1 | 46 |
| 304 | 4-Hydroxybenzyl methyl ether improves learning and memory in mice via the activation of dopamine D1 receptor signaling. <i>Neurobiology of Learning and Memory</i> , 2015, 121, 30-38. | 1.0 | 10 |
| 305 | Effect of tyrosine supplementation on clinical and healthy populations under stress or cognitive demandsâ€”A review. <i>Journal of Psychiatric Research</i> , 2015, 70, 50-57. | 1.5 | 94 |
| 306 | The cost of dopamine for dynamic cognitive control. <i>Current Opinion in Behavioral Sciences</i> , 2015, 4, 152-159. | 2.0 | 35 |
| 307 | Dopaminergic Modulation of the Functional Ventrodorsal Architecture of the Human Striatum. <i>Cerebral Cortex</i> , 2017, 27, bhv243. | 1.6 | 42 |
| 308 | Dopamine D1 Binding Potential Predicts Fusiform BOLD Activity during Face-Recognition Performance. <i>Journal of Neuroscience</i> , 2015, 35, 14702-14707. | 1.7 | 25 |
| 309 | Premotor-motor excitability is altered in dopa-responsive dystonia. <i>Movement Disorders</i> , 2015, 30, 1705-1709. | 2.2 | 14 |
| 310 | Cognitive Improvement of Attention and Inhibition in the Late Afternoon in Children With Attention-Deficit Hyperactivity Disorder (ADHD) Treated With Osmotic-Release Oral System Methylphenidate. <i>Journal of Child Neurology</i> , 2015, 30, 1000-1009. | 0.7 | 9 |
| 311 | Prospective memory performance in individuals with Parkinsonâ€™s disease who have mild cognitive impairment.. <i>Neuropsychology</i> , 2015, 29, 782-791. | 1.0 | 15 |
| 312 | Neurocognitive Architecture of Working Memory. <i>Neuron</i> , 2015, 88, 33-46. | 3.8 | 494 |
| 313 | Atorvastatin improves Y-maze learning behaviour in nicotine treated male albino rats. <i>Pharmacology Biochemistry and Behavior</i> , 2015, 138, 117-122. | 1.3 | 12 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 314 | Effects of Transcranial Direct Current Stimulation over Left Dorsolateral pFC on the Attentional Blink Depend on Individual Baseline Performance. <i>Journal of Cognitive Neuroscience</i> , 2015, 27, 2382-2393. | 1.1 | 32 |
| 315 | Dopamine and glutamate release in the anterior default system during rest: A monkey microdialysis study. <i>Behavioural Brain Research</i> , 2015, 294, 194-197. | 1.2 | 6 |
| 316 | Episodic memory in normal aging and Alzheimer disease: Insights from imaging and behavioral studies. <i>Ageing Research Reviews</i> , 2015, 24, 232-262. | 5.0 | 255 |
| 317 | Sex-dichotomous effects of functional COMT genetic variations on cognitive functions disappear after menopause in both health and schizophrenia. <i>European Neuropsychopharmacology</i> , 2015, 25, 2349-2363. | 0.3 | 28 |
| 318 | A comparison of presynaptic and postsynaptic dopaminergic agonists on inhibitory control performance in rats perinatally exposed to PCBs. <i>Neurotoxicology and Teratology</i> , 2015, 50, 11-22. | 1.2 | 18 |
| 319 | Ergometer cycling enhances executive control in task switching. <i>Journal of Cognitive Psychology</i> , 2015, 27, 692-703. | 0.4 | 12 |
| 320 | Dopamine receptor D4 (DRD4) gene modulates the influence of informational masking on speech recognition. <i>Neuropsychologia</i> , 2015, 67, 121-131. | 0.7 | 14 |
| 321 | Exploration versus exploitation in space, mind, and society. <i>Trends in Cognitive Sciences</i> , 2015, 19, 46-54. | 4.0 | 394 |
| 322 | Dopamine, Salience, and Response Set Shifting in Prefrontal Cortex. <i>Cerebral Cortex</i> , 2015, 25, 3629-3639. | 1.6 | 20 |
| 323 | Dopaminergic basis for impairments in functional connectivity across subdivisions of the striatum in Parkinson's disease. <i>Human Brain Mapping</i> , 2015, 36, 1278-1291. | 1.9 | 71 |
| 324 | The COMT Val/Met Polymorphism Modulates Effects of tDCS on Response Inhibition. <i>Brain Stimulation</i> , 2015, 8, 283-288. | 0.7 | 73 |
| 325 | The current and potential impact of genetics and genomics on neuropsychopharmacology. <i>European Neuropsychopharmacology</i> , 2015, 25, 671-681. | 0.3 | 11 |
| 326 | Risk-Taking Behavior: Dopamine D2/D3 Receptors, Feedback, and Frontolimbic Activity. <i>Cerebral Cortex</i> , 2015, 25, 236-245. | 1.6 | 86 |
| 327 | Cannabis and creativity: highly potent cannabis impairs divergent thinking in regular cannabis users. <i>Psychopharmacology</i> , 2015, 232, 1123-1134. | 1.5 | 41 |
| 328 | Involvement of the dopaminergic system in the consolidation of fear conditioning in hippocampal CA3 subregion. <i>Behavioural Brain Research</i> , 2015, 278, 527-534. | 1.2 | 19 |
| 329 | Cognitive impairment and resting-state network connectivity in Parkinson's disease. <i>Human Brain Mapping</i> , 2015, 36, 199-212. | 1.9 | 264 |
| 330 | D1 receptors regulate dendritic morphology in normal and stressed prelimbic cortex. <i>Psychoneuroendocrinology</i> , 2015, 51, 101-111. | 1.3 | 22 |
| 331 | Dopamine, Locus of Control, and the Exploration-Exploitation Tradeoff. <i>Neuropsychopharmacology</i> , 2015, 40, 454-462. | 2.8 | 62 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 332 | The Cognitive Neuroscience of Working Memory. Annual Review of Psychology, 2015, 66, 115-142. | 9.9 | 1,025 |
| 333 | Levodopa administration modulates striatal processing of punishment-associated items in healthy participants. Psychopharmacology, 2015, 232, 135-144. | 1.5 | 17 |
| 334 | The Reticular-Activating Hypofrontality (RAH) Model of Acute Exercise. , 2016, , 147-166. | | 13 |
| 335 | COMT Val158Met Polymorphism Is Associated with Verbal Working Memory in Neurofibromatosis Type 1. Frontiers in Human Neuroscience, 2016, 10, 334. | 1.0 | 6 |
| 336 | MAOA Influences the Trajectory of Attentional Development. Frontiers in Human Neuroscience, 2016, 10, 424. | 1.0 | 5 |
| 337 | Genetic Modulation of Transcranial Direct Current Stimulation Effects on Cognition. Frontiers in Human Neuroscience, 2016, 10, 651. | 1.0 | 39 |
| 338 | Catecholaminergic Regulation of Learning Rate in a Dynamic Environment. PLoS Computational Biology, 2016, 12, e1005171. | 1.5 | 74 |
| 339 | Down with Retirement: Implications of Embodied Cognition for Healthy Aging. Frontiers in Psychology, 2016, 7, 1184. | 1.1 | 9 |
| 340 | High-Frequency Binaural Beats Increase Cognitive Flexibility: Evidence from Dual-Task Crosstalk. Frontiers in Psychology, 2016, 7, 1287. | 1.1 | 30 |
| 341 | Post-training Meditation Promotes Motor Memory Consolidation. Frontiers in Psychology, 2016, 7, 1698. | 1.1 | 10 |
| 342 | A Dopamine Pathway Gene Risk Score for Cognitive Recovery Following Traumatic Brain Injury: Methodological Considerations, Preliminary Findings, and Interactions With Sex. Journal of Head Trauma Rehabilitation, 2016, 31, E15-E29. | 1.0 | 30 |
| 344 | Dopamine D ₁ signaling organizes network dynamics underlying working memory. Science Advances, 2016, 2, e1501672. | 4.7 | 59 |
| 345 | Value conditioning modulates visual working memory processes.. Journal of Experimental Psychology: Human Perception and Performance, 2016, 42, 6-10. | 0.7 | 18 |
| 346 | Improvement in Language Function Correlates with Gait Improvement in Drug-naïve Parkinson's Disease Patients Taking Dopaminergic Medication. Journal of Parkinson's Disease, 2016, 6, 209-217. | 1.5 | 3 |
| 347 | Combined effect of genetic variants in the GluN2B coding gene (GRIN2B) on prefrontal function during working memory performance. Psychological Medicine, 2016, 46, 1135-1150. | 2.7 | 25 |
| 348 | Nicotine ameliorates cognitive deficits induced by maternal LPS exposure: A study in rats. DMM Disease Models and Mechanisms, 2016, 9, 1159-1167. | 1.2 | 15 |
| 349 | Presynaptic D1 heteroreceptors and mGlu autoreceptors act at individual cortical release sites to modify glutamate release. Brain Research, 2016, 1639, 74-87. | 1.1 | 11 |
| 350 | Dissociable Effects of Dopamine on the Initial Capture and the Reactive Inhibition of Impulsive Actions in Parkinson's Disease. Journal of Cognitive Neuroscience, 2016, 28, 710-723. | 1.1 | 37 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 351 | Dynamic Connectivity between Brain Networks Supports Working Memory: Relationships to Dopamine Release and Schizophrenia. <i>Journal of Neuroscience</i> , 2016, 36, 4377-4388. | 1.7 | 34 |
| 352 | Parkinson's disease, visual hallucinations and apomorphine: A review of the available evidence. <i>Parkinsonism and Related Disorders</i> , 2016, 27, 35-40. | 1.1 | 40 |
| 353 | Modelling ADHD: A review of ADHD theories through their predictions for computational models of decision-making and reinforcement learning. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 71, 633-656. | 2.9 | 86 |
| 354 | Dopamine and temporal attention: An attentional blink study in Parkinson's disease patients on and off medication. <i>Neuropsychologia</i> , 2016, 91, 407-414. | 0.7 | 17 |
| 355 | Sequence learning in Parkinson's disease: Focusing on action dynamics and the role of dopaminergic medication. <i>Neuropsychologia</i> , 2016, 93, 30-39. | 0.7 | 18 |
| 356 | Neurocognitive Effects of tDCS in the Healthy Brain. , 2016, , 103-141. | | 2 |
| 357 | A treatise on secondary psychopathy: Psychobiological pathways to severe antisociality. <i>Aggression and Violent Behavior</i> , 2016, 31, 165-185. | 1.2 | 7 |
| 358 | Content and Temporal Order Memory for Performed Activities in Parkinson's Disease. <i>Archives of Clinical Neuropsychology</i> , 2016, 31, 700-709. | 0.3 | 10 |
| 359 | The costs and benefits of brain dopamine for cognitive control. <i>Wiley Interdisciplinary Reviews: Cognitive Science</i> , 2016, 7, 317-329. | 1.4 | 83 |
| 360 | Effects of Ginkgo biloba extract EGb 761Â® on cognitive control functions, mental activity of the prefrontal cortex and stress reactivity in elderly adults with subjective memory impairment â€” a randomized double-blind placebo-controlled trial. <i>Human Psychopharmacology</i> , 2016, 31, 227-242. | 0.7 | 34 |
| 361 | Compensatory neural mechanisms in cognitively unimpaired <sc>P</sc>arkinson disease. <i>Annals of Neurology</i> , 2016, 79, 448-463. | 2.8 | 62 |
| 362 | Time on timing: Dissociating premature responding from interval sensitivity in Parkinson's disease. <i>Movement Disorders</i> , 2016, 31, 1163-1172. | 2.2 | 20 |
| 363 | Low intensity magnetic field influences short-term memory: A study in a group of healthy students. <i>Bioelectromagnetics</i> , 2016, 37, 37-48. | 0.9 | 8 |
| 364 | Striatal activation as a neural link between cognitive and perceptual flexibility. <i>NeuroImage</i> , 2016, 141, 393-398. | 2.1 | 12 |
| 365 | Event-related potentials and cognition in Parkinson's disease: An integrative review. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 71, 691-714. | 2.9 | 77 |
| 366 | Spontaneous eye blink rate as predictor of dopamine-related cognitive functionâ€”A review. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 71, 58-82. | 2.9 | 212 |
| 367 | Dopamine Manipulation Affects Response Vigor Independently of Opportunity Cost. <i>Journal of Neuroscience</i> , 2016, 36, 9516-9525. | 1.7 | 62 |
| 368 | Catechol-O-methyltransferase Val158Met polymorphism influences prefrontal executive function in early Parkinson's disease. <i>Journal of the Neurological Sciences</i> , 2016, 369, 347-353. | 0.3 | 12 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 369 | Physiology of freezing of gait. <i>Annals of Neurology</i> , 2016, 80, 644-659. | 2.8 | 160 |
| 370 | The "Creative Right Brain" Revisited: Individual Creativity and Associative Priming in the Right Hemisphere Relate to Hemispheric Asymmetries in Reward Brain Function. <i>Cerebral Cortex</i> , 2017, 27, 4946-4959. | 1.6 | 16 |
| 371 | Medial Prefrontal Cortical Dopamine Responses During Operant Self-Administration of Sweetened Ethanol. <i>Alcoholism: Clinical and Experimental Research</i> , 2016, 40, 1662-1670. | 1.4 | 15 |
| 372 | Startle Habituation and Midfrontal Theta Activity in Parkinson Disease. <i>Journal of Cognitive Neuroscience</i> , 2016, 28, 1923-1932. | 1.1 | 40 |
| 373 | Neurophysiological evidence of impaired self-monitoring in schizotypal personality disorder and its reversal by dopaminergic antagonism. <i>NeuroImage: Clinical</i> , 2016, 11, 770-779. | 1.4 | 25 |
| 374 | Altered brain functional networks in people with Internet gaming disorder: Evidence from resting-state fMRI. <i>Psychiatry Research - Neuroimaging</i> , 2016, 254, 156-163. | 0.9 | 31 |
| 375 | Neural effects of methylphenidate and nicotine during smooth pursuit eye movements. <i>NeuroImage</i> , 2016, 141, 52-59. | 2.1 | 8 |
| 376 | Aging Affects Dopaminergic Neural Mechanisms of Cognitive Flexibility. <i>Journal of Neuroscience</i> , 2016, 36, 12559-12569. | 1.7 | 116 |
| 377 | Hybrid Systems Neuroscience. , 2016, , 113-129. | | 5 |
| 378 | Improvement of attention with amphetamine in low- and high-performing rats. <i>Psychopharmacology</i> , 2016, 233, 3383-3394. | 1.5 | 9 |
| 379 | The role of dopamine in the pathophysiology and treatment of apathy. <i>Progress in Brain Research</i> , 2016, 229, 389-426. | 0.9 | 61 |
| 380 | Time to see the bigger picture: Individual differences in the attentional blink. <i>Psychonomic Bulletin and Review</i> , 2016, 23, 1289-1299. | 1.4 | 33 |
| 381 | Repeated application of Modafinil and Levodopa reveals a drug-independent precise timing of spatial working memory modulation. <i>Behavioural Brain Research</i> , 2016, 312, 9-13. | 1.2 | 13 |
| 382 | Dopamine D2 receptor availability is linked to hippocampal "caudate functional connectivity and episodic memory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7918-7923. | 3.3 | 135 |
| 383 | Methylphenidate does not enhance visual working memory but benefits motivation in macaque monkeys. <i>Neuropharmacology</i> , 2016, 109, 223-235. | 2.0 | 10 |
| 384 | Cannabis and cocaine decrease cognitive impulse control and functional corticostriatal connectivity in drug users with low activity DBH genotypes. <i>Brain Imaging and Behavior</i> , 2016, 10, 1254-1263. | 1.1 | 52 |
| 385 | COMT val158met moderation of dopaminergic drug effects on cognitive function: a critical review. <i>Pharmacogenomics Journal</i> , 2016, 16, 430-438. | 0.9 | 81 |
| 386 | Assessment of cognitive safety in clinical drug development. <i>Drug Discovery Today</i> , 2016, 21, 445-453. | 3.2 | 8 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 387 | Order in the absence of an effect: Identifying rate-dependent relationships. <i>Behavioural Processes</i> , 2016, 127, 18-24. | 0.5 | 22 |
| 388 | Nicotineâ€™ dopamine-transporter interactions during reward-based decision making. <i>European Neuropsychopharmacology</i> , 2016, 26, 938-947. | 0.3 | 4 |
| 389 | Catecholamines and cognition after traumatic brain injury. <i>Brain</i> , 2016, 139, 2345-2371. | 3.7 | 73 |
| 390 | The effects of dopamine on digit span in Parkinsonâ€™s disease. <i>Journal of Clinical Movement Disorders</i> , 2016, 3, 5. | 2.2 | 15 |
| 391 | Effects of meditation practice on spontaneous eyeblink rate. <i>Psychophysiology</i> , 2016, 53, 749-758. | 1.2 | 24 |
| 392 | Effects of l-Tyrosine on working memory and inhibitory control are determined by DRD2 genotypes: A randomized controlled trial. <i>Cortex</i> , 2016, 82, 217-224. | 1.1 | 27 |
| 393 | Oppositional COMT Val158Met effects on resting state functional connectivity in adolescents and adults. <i>Brain Structure and Function</i> , 2016, 221, 103-114. | 1.2 | 31 |
| 394 | BOLD Variability is Related to Dopaminergic Neurotransmission and Cognitive Aging. <i>Cerebral Cortex</i> , 2016, 26, 2074-2083. | 1.6 | 93 |
| 395 | The effects of methylphenidate on cerebral responses to conflict anticipation and unsigned prediction error in a stop-signal task. <i>Journal of Psychopharmacology</i> , 2016, 30, 283-293. | 2.0 | 13 |
| 396 | Disruption of Broca's Area Alters Higher-order Chunking Processing during Perceptual Sequence Learning. <i>Journal of Cognitive Neuroscience</i> , 2016, 28, 402-417. | 1.1 | 31 |
| 397 | Neurotransmitters and Novelty: A Systematic Review. <i>Journal of Psychopharmacology</i> , 2016, 30, 3-12. | 2.0 | 34 |
| 398 | Clock Speed as a Window into Dopaminergic Control of Emotion and Time Perception. <i>Timing and Time Perception</i> , 2016, 4, 99-122. | 0.4 | 49 |
| 399 | Amplified Striatal Responses to Near-Miss Outcomes in Pathological Gamblers. <i>Neuropsychopharmacology</i> , 2016, 41, 2614-2623. | 2.8 | 45 |
| 400 | Dopamine Does Double Duty in Motivating Cognitive Effort. <i>Neuron</i> , 2016, 89, 695-710. | 3.8 | 214 |
| 401 | Spontaneous Fluctuations in the Flexible Control of Covert Attention. <i>Journal of Neuroscience</i> , 2016, 36, 445-454. | 1.7 | 23 |
| 402 | Individual differences in dopamine level modulate the ego depletion effect. <i>International Journal of Psychophysiology</i> , 2016, 99, 121-124. | 0.5 | 13 |
| 403 | Amelioration of non-motor dysfunctions after transplantation of human dopamine neurons in a model of Parkinson's disease. <i>Experimental Neurology</i> , 2016, 278, 54-61. | 2.0 | 24 |
| 404 | Performance pressure and caffeine both affect cognitive performance, but likely through independent mechanisms. <i>Brain and Cognition</i> , 2016, 102, 26-32. | 0.8 | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 405 | Dopamine Modulation of Intertemporal Decision-making: Evidence from Parkinson Disease. <i>Journal of Cognitive Neuroscience</i> , 2016, 28, 657-667. | 1.1 | 25 |
| 406 | Computational models of interval timing. <i>Current Opinion in Behavioral Sciences</i> , 2016, 8, 140-146. | 2.0 | 25 |
| 407 | Mechanisms of Working Memory Impairment in Schizophrenia. <i>Biological Psychiatry</i> , 2016, 80, 617-626. | 0.7 | 96 |
| 408 | Using fMRI to compare the effects of benzylpiperazine with dexamphetamine – Their differences during the Stroop paradigm. <i>Journal of Integrative Neuroscience</i> , 2016, 15, 109-122. | 0.8 | 4 |
| 409 | Cognitive Neurostimulation: Learning to Volitionally Sustain Ventral Tegmental Area Activation. <i>Neuron</i> , 2016, 89, 1331-1342. | 3.8 | 76 |
| 410 | Emotional modulation of interval timing and time perception. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 64, 403-420. | 2.9 | 137 |
| 411 | The role of habit in compulsivity. <i>European Neuropsychopharmacology</i> , 2016, 26, 828-840. | 0.3 | 206 |
| 412 | Working Memory: Maintenance, Updating, and the Realization of Intentions. <i>Cold Spring Harbor Perspectives in Biology</i> , 2016, 8, a021816. | 2.3 | 55 |
| 413 | Decreased synaptic plasticity in the medial prefrontal cortex underlies short-term memory deficits in 6-OHDA-lesioned rats. <i>Behavioural Brain Research</i> , 2016, 301, 43-54. | 1.2 | 27 |
| 414 | Does impulsivity change rate dependently following stimulant administration? A translational selective review and re-analysis. <i>Psychopharmacology</i> , 2016, 233, 1-18. | 1.5 | 39 |
| 415 | Dopamine modulation of spatial navigation memory in Parkinson's disease. <i>Neurobiology of Aging</i> , 2016, 38, 93-103. | 1.5 | 28 |
| 416 | Dopaminergic Modulation of Cognitive Preparation for Overt Reading: Evidence from the Study of Genetic Polymorphisms. <i>Cerebral Cortex</i> , 2016, 26, 1539-1557. | 1.6 | 6 |
| 417 | Safety and Preliminary Efficacy of the Acetylcholinesterase Inhibitor Huperzine A as a Treatment for Cocaine Use Disorder. <i>International Journal of Neuropsychopharmacology</i> , 2016, 19, pyv098. | 1.0 | 13 |
| 418 | Functional Genetic Variation in Dopamine Signaling Moderates Prefrontal Cortical Activity During Risky Decision Making. <i>Neuropsychopharmacology</i> , 2016, 41, 695-703. | 2.8 | 28 |
| 419 | Dopamine Depletion Reduces Food-Related Reward Activity Independent of BMI. <i>Neuropsychopharmacology</i> , 2016, 41, 1551-1559. | 2.8 | 33 |
| 420 | Temporal Dissociation of Striatum and Prefrontal Cortex Uncouples Anhedonia and Defense Behaviors Relevant to Depression in 6-OHDA-Lesioned Rats. <i>Molecular Neurobiology</i> , 2016, 53, 3891-3899. | 1.9 | 29 |
| 421 | Dopamine and memory dedifferentiation in aging. <i>NeuroImage</i> , 2017, 153, 211-220. | 2.1 | 52 |
| 422 | Behavioral and Biochemical Interaction Between Nicotine and Chronic Unpredictable Mild Stress in Mice. <i>Molecular Neurobiology</i> , 2017, 54, 904-921. | 1.9 | 41 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 423 | Genetic associations with reflexive visual attention in infancy and childhood. <i>Developmental Science</i> , 2017, 20, e12371. | 1.3 | 53 |
| 424 | Brain reactivity to alcohol and cannabis marketing during sobriety and intoxication. <i>Addiction Biology</i> , 2017, 22, 823-832. | 1.4 | 22 |
| 425 | Right inferior frontal cortex activity correlates with tolcapone responsivity in problem and pathological gamblers. <i>NeuroImage: Clinical</i> , 2017, 13, 339-348. | 1.4 | 15 |
| 426 | Association between COMT genotype and the control of memory guided saccades: Individual differences in healthy adults reveal a detrimental role of dopamine. <i>Vision Research</i> , 2017, 141, 170-180. | 0.7 | 1 |
| 427 | The neural bases of proactive and reactive control processes in normal aging. <i>Behavioural Brain Research</i> , 2017, 320, 504-516. | 1.2 | 22 |
| 428 | Oral Administration of Methylphenidate (Ritalin) Affects Dopamine Release Differentially Between the Prefrontal Cortex and Striatum: A Microdialysis Study in the Monkey. <i>Journal of Neuroscience</i> , 2017, 37, 2387-2394. | 1.7 | 38 |
| 429 | Optimal trajectories of brain state transitions. <i>NeuroImage</i> , 2017, 148, 305-317. | 2.1 | 143 |
| 430 | The social transmission of metacontrol policies: Mechanisms underlying the interpersonal transfer of persistence and flexibility. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 81, 43-58. | 2.9 | 70 |
| 431 | Towards trans-diagnostic mechanisms in psychiatry: Neurobehavioral profile of rats with a loss of function point mutation in the dopamine transporter gene. <i>DMM Disease Models and Mechanisms</i> , 2017, 10, 451-461. | 1.2 | 27 |
| 432 | Dopamine Modulates Adaptive Prediction Error Coding in the Human Midbrain and Striatum. <i>Journal of Neuroscience</i> , 2017, 37, 1708-1720. | 1.7 | 91 |
| 433 | Blunted ventral striatal responses to anticipated rewards foreshadow problematic drug use in novelty-seeking adolescents. <i>Nature Communications</i> , 2017, 8, 14140. | 5.8 | 87 |
| 435 | Interaction of Dopamine and Glutamate Release in the Primate Prefrontal Cortex in Relation to Working Memory and Reward. , 2017, , 77-102. | | 1 |
| 436 | An electrophysiological investigation of emotional abnormalities in groups at risk for schizophrenia-spectrum personality disorders. <i>Biological Psychology</i> , 2017, 124, 119-132. | 1.1 | 18 |
| 437 | Spontaneous eye blink rate (EBR) predicts poor performance in high-stakes situations. <i>International Journal of Psychophysiology</i> , 2017, 119, 50-57. | 0.5 | 8 |
| 438 | Variation on the dopamine D2 receptor gene (DRD2) is associated with basal ganglia-to-frontal structural connectivity. <i>NeuroImage</i> , 2017, 155, 473-479. | 2.1 | 21 |
| 439 | Functional Polymorphisms in Dopaminergic Genes Modulate Neurobehavioral and Neurophysiological Consequences of Sleep Deprivation. <i>Scientific Reports</i> , 2017, 7, 45982. | 1.6 | 30 |
| 440 | The role of beta-arrestin2 in shaping fMRI BOLD responses to dopaminergic stimulation. <i>Psychopharmacology</i> , 2017, 234, 2019-2030. | 1.5 | 4 |
| 441 | Creative cognition and dopaminergic modulation of fronto-striatal networks: Integrative review and research agenda. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 78, 13-23. | 2.9 | 118 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 442 | Separating the effect of reward from corrective feedback during learning in patients with Parkinson's disease. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2017, 17, 678-695. | 1.0 | 8 |
| 443 | A dopamine receptor genetic variant enhances perceptual speed in cognitive healthy subjects. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2017, 3, 254-261. | 1.8 | 5 |
| 444 | Cognition and fatigue in patients with relapsing multiple sclerosis treated by subcutaneous interferon β -1a: an observational study SKORE. <i>Therapeutic Advances in Neurological Disorders</i> , 2017, 10, 18-32. | 1.5 | 11 |
| 445 | Dopamine Alters the Fidelity of Working Memory Representations according to Attentional Demands. <i>Journal of Cognitive Neuroscience</i> , 2017, 29, 728-738. | 1.1 | 23 |
| 446 | Biological and Social Foundations of Creativity and Innovation. , 2017, , 33-50. | | 1 |
| 447 | Cerebral dopamine deficiency, plasma monoamine alterations and neurocognitive deficits in adults with phenylketonuria. <i>Psychological Medicine</i> , 2017, 47, 2854-2865. | 2.7 | 30 |
| 448 | The influence of CHRNA4 , COMT , and maternal sensitivity on orienting and executive attention in 6-month-old infants. <i>Brain and Cognition</i> , 2017, 116, 17-28. | 0.8 | 8 |
| 449 | DRD2: Bridging the Genome and Ingestive Behavior. <i>Trends in Cognitive Sciences</i> , 2017, 21, 372-384. | 4.0 | 40 |
| 450 | It wasn't me; it was my brain " Obesity-associated characteristics of brain circuits governing decision-making. <i>Physiology and Behavior</i> , 2017, 176, 125-133. | 1.0 | 33 |
| 451 | Influence of Dopamine-Related Genes on Neurobehavioral Recovery after Traumatic Brain Injury during Early Childhood. <i>Journal of Neurotrauma</i> , 2017, 34, 1919-1931. | 1.7 | 26 |
| 452 | Cholinergic, But Not Dopaminergic or Noradrenergic, Enhancement Sharpens Visual Spatial Perception in Humans. <i>Journal of Neuroscience</i> , 2017, 37, 4405-4415. | 1.7 | 50 |
| 453 | Baseline-dependent effects of amphetamine on attention are associated with striatal dopamine metabolism. <i>Scientific Reports</i> , 2017, 7, 297. | 1.6 | 8 |
| 454 | High body mass index is associated with impaired cognitive control. <i>Appetite</i> , 2017, 113, 301-309. | 1.8 | 24 |
| 456 | Pramipexole restores depressed transmission in the ventral hippocampus following MPTP-lesion. <i>Scientific Reports</i> , 2017, 7, 44426. | 1.6 | 16 |
| 457 | Methylphenidate during early consolidation affects long-term associative memory retrieval depending on baseline catecholamines. <i>Psychopharmacology</i> , 2017, 234, 657-669. | 1.5 | 3 |
| 458 | Optogenetic Stimulation of Frontal D1 Neurons Compensates for Impaired Temporal Control of Action in Dopamine-Depleted Mice. <i>Current Biology</i> , 2017, 27, 39-47. | 1.8 | 81 |
| 459 | The relationship between the striatal dopamine transporter and novelty seeking and cognitive flexibility in opioid dependence. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2017, 74, 36-42. | 2.5 | 20 |
| 460 | Using transcranial direct current stimulation to treat symptoms in mild cognitive impairment and Alzheimer's disease. <i>Neurodegenerative Disease Management</i> , 2017, 7, 317-329. | 1.2 | 30 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 461 | Modulatory Effects of Positive Mood on Cognition: Lessons From Attention and Error Monitoring. <i>Current Directions in Psychological Science</i> , 2017, 26, 495-501. | 2.8 | 10 |
| 462 | Drugs for psychosis and mood: unique actions at D3, D2, and D1 dopamine receptor subtypes. <i>CNS Spectrums</i> , 2017, 22, 375-384. | 0.7 | 210 |
| 463 | Dorsal striatum mediates deliberate decision making, not late-stage, stimulus-response learning. <i>Human Brain Mapping</i> , 2017, 38, 6133-6156. | 1.9 | 8 |
| 464 | White noise enhances new-word learning in healthy adults. <i>Scientific Reports</i> , 2017, 7, 13045. | 1.6 | 27 |
| 465 | Associations of the COMT Val158Met polymorphism with working memory and intelligence – A review and meta-analysis. <i>Intelligence</i> , 2017, 65, 75-92. | 1.6 | 18 |
| 466 | Task demands, tDCS intensity, and the COMT val158met polymorphism impact tDCS-linked working memory training gains. <i>Scientific Reports</i> , 2017, 7, 13463. | 1.6 | 37 |
| 467 | Fractionating the Neurocognitive Mechanisms Underlying Working Memory: Independent Effects of Dopamine and Parkinson's Disease. <i>Cerebral Cortex</i> , 2017, 27, 5727-5738. | 1.6 | 30 |
| 468 | Failing to learn from negative prediction errors: Obesity is associated with alterations in a fundamental neural learning mechanism. <i>Cortex</i> , 2017, 95, 222-237. | 1.1 | 42 |
| 469 | Comprehensive review: Computational modelling of schizophrenia. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 83, 631-646. | 2.9 | 62 |
| 470 | Blood-based metabolic signatures in Alzheimer's disease. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2017, 8, 196-207. | 1.2 | 56 |
| 471 | Overdominant Effect of <i>CHRNA4</i> Polymorphism on Cingulo-Opercular Network Activity and Cognitive Control. <i>Journal of Neuroscience</i> , 2017, 37, 9657-9666. | 1.7 | 16 |
| 472 | Structural alterations in the prefrontal cortex mediate the relationship between Internet gaming disorder and depressed mood. <i>Scientific Reports</i> , 2017, 7, 1245. | 1.6 | 36 |
| 473 | Ideas for expanding models of event perception to support intervention.. <i>Journal of Applied Research in Memory and Cognition</i> , 2017, 6, 133-136. | 0.7 | 1 |
| 474 | Relationship between psychological inflexibility and experiential avoidance and internet addiction: Mediating effects of mental health problems. <i>Psychiatry Research</i> , 2017, 257, 40-44. | 1.7 | 39 |
| 475 | ERK activation in the prefrontal cortex by acute apomorphine and apomorphine conditioned contextual stimuli. <i>Pharmacology Biochemistry and Behavior</i> , 2017, 159, 76-83. | 1.3 | 5 |
| 476 | Dazzled by the dominions of dopamine: clinical roles of D3, D2, and D1 receptors. <i>CNS Spectrums</i> , 2017, 22, 305-311. | 0.7 | 19 |
| 477 | Tracking Real-Time Changes in Working Memory Updating and Gating with the Event-Based Eye-Blink Rate. <i>Scientific Reports</i> , 2017, 7, 2547. | 1.6 | 40 |
| 478 | The Catecholaminergic Neurotransmitter System in Methylmercury-Induced Neurotoxicity. <i>Advances in Neurotoxicology</i> , 2017, 1, 47-81. | 0.7 | 10 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 479 | Response inhibition in Parkinson's disease: a meta-analysis of dopaminergic medication and disease duration effects. <i>Npj Parkinson's Disease</i> , 2017, 3, 23. | 2.5 | 38 |
| 480 | Nonlinear modulation of interacting between <i>COMT</i> and depression on brain function. <i>European Psychiatry</i> , 2017, 45, 6-13. | 0.1 | 17 |
| 481 | Interventions for Posttraumatic Brain Injury Fatigue: An Updated Review. <i>Current Physical Medicine and Rehabilitation Reports</i> , 2017, 5, 12-21. | 0.3 | 1 |
| 482 | COMT genotype is differentially associated with single trial variability of ERPs as a function of memory type. <i>Biological Psychology</i> , 2017, 127, 209-219. | 1.1 | 5 |
| 483 | The effect of <i>COMT</i> Val158Met and <i>DRD2</i> C957T polymorphisms on executive function and the impact of early life stress. <i>Brain and Behavior</i> , 2017, 7, e00695. | 1.0 | 31 |
| 484 | Abnormal premotor-motor interaction in heterozygous Parkin - and Pink1 mutation carriers. <i>Clinical Neurophysiology</i> , 2017, 128, 275-280. | 0.7 | 16 |
| 485 | Beyond eye gaze: What else can eyetracking reveal about cognition and cognitive development?. <i>Developmental Cognitive Neuroscience</i> , 2017, 25, 69-91. | 1.9 | 412 |
| 486 | Reversal learning strategy in adolescence is associated with prefrontal cortex activation. <i>European Journal of Neuroscience</i> , 2017, 45, 129-137. | 1.2 | 19 |
| 487 | The Neurocognitive Cost of Enhancing Cognition with Methylphenidate: Improved Distractor Resistance but Impaired Updating. <i>Journal of Cognitive Neuroscience</i> , 2017, 29, 652-663. | 1.1 | 45 |
| 488 | Stress and Cognitive Flexibility: Cortisol Increases Are Associated with Enhanced Updating but Impaired Switching. <i>Journal of Cognitive Neuroscience</i> , 2017, 29, 14-24. | 1.1 | 55 |
| 489 | Intraindividual and Interindividual Differences in Spontaneous Eye Blinking: Relationships to Working Memory Performance and Frontal <i>EEG</i> Asymmetry. <i>Infancy</i> , 2017, 22, 150-170. | 0.9 | 15 |
| 490 | Training Load and Fatigue Marker Associations with Injury and Illness: A Systematic Review of Longitudinal Studies. <i>Sports Medicine</i> , 2017, 47, 943-974. | 3.1 | 212 |
| 491 | Cognition and Dopamine D2 Receptor Availability in the Striatum in Older Patients with Schizophrenia. <i>American Journal of Geriatric Psychiatry</i> , 2017, 25, 1-10. | 0.6 | 18 |
| 492 | Serum levels of second-generation antipsychotics are associated with cognitive function in psychotic disorders. <i>World Journal of Biological Psychiatry</i> , 2017, 18, 471-482. | 1.3 | 18 |
| 493 | Oxytocin conditions trait-based rule adherence. <i>Social Cognitive and Affective Neuroscience</i> , 2017, 12, 427-435. | 1.5 | 12 |
| 494 | The role of dopamine in positive and negative prediction error utilization during incidental learning: Insights from Positron Emission Tomography, Parkinson's disease and Huntington's disease. <i>Cortex</i> , 2017, 90, 149-162. | 1.1 | 19 |
| 495 | Do specific <i>NMDA</i> receptor subunits act as gateways for addictive behaviors?. <i>Genes, Brain and Behavior</i> , 2017, 16, 118-138. | 1.1 | 59 |
| 496 | Cognitive motor deficits in cannabis users. <i>Current Opinion in Behavioral Sciences</i> , 2017, 13, 1-7. | 2.0 | 33 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 497 | Gonadectomy but not biological sex affects burst firing in dopamine neurons of the ventral tegmental area and in prefrontal cortical neurons projecting to the ventral tegmentum in adult rats. <i>European Journal of Neuroscience</i> , 2017, 45, 106-120. | 1.2 | 16 |
| 498 | Frontostriatal Contribution to the Interplay of Flexibility and Stability in Serial Prediction. <i>Journal of Cognitive Neuroscience</i> , 2017, 29, 298-309. | 1.1 | 14 |
| 500 | Dose-Dependent Effects of Oral Tyrosine Administration on Plasma Tyrosine Levels and Cognition in Aging. <i>Nutrients</i> , 2017, 9, 1279. | 1.7 | 24 |
| 501 | Inhibitory Control under Threat: The Role of Spontaneous Eye Blinks in Post-Traumatic Stress Disorder. <i>Brain Sciences</i> , 2017, 7, 16. | 1.1 | 9 |
| 502 | Aerobic Exercise Intervention, Cognitive Performance, and Brain Structure: Results from the Physical Influences on Brain in Aging (PHIBRA) Study. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 336. | 1.7 | 167 |
| 503 | Activating Developmental Reserve Capacity Via Cognitive Training or Non-invasive Brain Stimulation: Potentials for Promoting Fronto-Parietal and Hippocampal-Striatal Network Functions in Old Age. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 33. | 1.7 | 36 |
| 504 | Working Memory after Traumatic Brain Injury: The Neural Basis of Improved Performance with Methylphenidate. <i>Frontiers in Behavioral Neuroscience</i> , 2017, 11, 58. | 1.0 | 41 |
| 505 | Genetically-Driven Enhancement of Dopaminergic Transmission Affects Moral Acceptability in Females but Not in Males: A Pilot Study. <i>Frontiers in Behavioral Neuroscience</i> , 2017, 11, 156. | 1.0 | 9 |
| 506 | Spatial Working Memory in Male Rats: Pre-Experience and Task Dependent Roles of Dopamine D1- and D2-Like Receptors. <i>Frontiers in Behavioral Neuroscience</i> , 2017, 11, 196. | 1.0 | 26 |
| 507 | A Novel Dopamine Transporter Inhibitor CE-123 Improves Cognitive Flexibility and Maintains Impulsivity in Healthy Male Rats. <i>Frontiers in Behavioral Neuroscience</i> , 2017, 11, 222. | 1.0 | 24 |
| 508 | Neither Cholinergic Nor Dopaminergic Enhancement Improve Spatial Working Memory Precision in Humans. <i>Frontiers in Neural Circuits</i> , 2017, 11, 94. | 1.4 | 3 |
| 509 | The Effects of Age, from Young to Middle Adulthood, and Gender on Resting State Functional Connectivity of the Dopaminergic Midbrain. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 52. | 1.0 | 19 |
| 510 | Interactive Effects of Dopamine Baseline Levels and Cycle Phase on Executive Functions: The Role of Progesterone. <i>Frontiers in Neuroscience</i> , 2017, 11, 403. | 1.4 | 36 |
| 511 | Mediating Role of the Reward Network in the Relationship between the Dopamine Multilocus Genetic Profile and Depression. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 292. | 1.4 | 14 |
| 512 | Does Dopamine Depletion Trigger a Spreader Lexical-Semantic Activation in Parkinson's Disease? Evidence from a Study Based on Word Fluency Tasks. <i>Parkinson's Disease</i> , 2017, 2017, 1-6. | 0.6 | 3 |
| 513 | Individual differences in eye blink rate predict both transient and tonic pupil responses during reversal learning. <i>PLoS ONE</i> , 2017, 12, e0185665. | 1.1 | 13 |
| 514 | Tolcapone-Enhanced Neurocognition in Healthy Adults: Neural Basis and Predictors. <i>International Journal of Neuropsychopharmacology</i> , 2017, 20, 979-987. | 1.0 | 18 |
| 515 | Want More? Learn Less: Motivation Affects Adolescents Learning from Negative Feedback. <i>Frontiers in Psychology</i> , 2017, 08, 76. | 1.1 | 10 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 516 | Dose-Dependent Effects of Oral Tyrosine Administration on Plasma Tyrosine Levels and Cognition in Aging. SSRN Electronic Journal, 2017, , . | 0.4 | 0 |
| 517 | Effects of dopaminergic drug adjustment on executive function in different clinical stages of Parkinson’s disease. Neuropsychiatric Disease and Treatment, 2017, Volume 13, 2719-2726. | 1.0 | 10 |
| 518 | Music genetics research: Association with musicality of a polymorphism in the AVPR1A gene. Genetics and Molecular Biology, 2017, 40, 421-429. | 0.6 | 12 |
| 519 | Age-Dependent Effects of Catechol-O-Methyltransferase (COMT) Gene Val158Met Polymorphism on Language Function in Developing Children. Cerebral Cortex, 2017, 27, 104-116. | 1.6 | 12 |
| 520 | Acute effects of lisdexamfetamine and D-amphetamine on social cognition and cognitive performance in a placebo-controlled study in healthy subjects. Psychopharmacology, 2018, 235, 1389-1402. | 1.5 | 22 |
| 521 | Chemical neuromodulation of cognitive control avoidance. Current Opinion in Behavioral Sciences, 2018, 22, 121-127. | 2.0 | 17 |
| 522 | Contribution of DA Signaling to Appetitive Odor Perception in a Drosophila Model. Scientific Reports, 2018, 8, 5978. | 1.6 | 2 |
| 523 | Dysregulation of major functional genes in frontal cortex by maternal exposure to carbon black nanoparticle is not ameliorated by ascorbic acid pretreatment. Science of the Total Environment, 2018, 634, 1126-1135. | 3.9 | 9 |
| 524 | Dopamine Modulates the Efficiency of Sensory Evidence Accumulation During Perceptual Decision Making. International Journal of Neuropsychopharmacology, 2018, 21, 649-655. | 1.0 | 39 |
| 525 | The Paradox of Copy Number Variants in ASD and Schizophrenia: False Facts or False Hypotheses?. Review Journal of Autism and Developmental Disorders, 2018, 5, 199-207. | 2.2 | 3 |
| 526 | Methylphenidate ameliorates hypoxia-induced mitochondrial damage in human neuroblastoma SH-SY5Y cells through inhibition of oxidative stress. Life Sciences, 2018, 197, 40-45. | 2.0 | 9 |
| 527 | Reflection impulsivity perceptual decisionâmaking in patients with restless legs syndrome. Annals of Clinical and Translational Neurology, 2018, 5, 315-322. | 1.7 | 10 |
| 528 | The neurobiology of impulse control disorders in Parkinsonâs disease: from neurotransmitters to neural networks. Cell and Tissue Research, 2018, 373, 327-336. | 1.5 | 31 |
| 529 | Dopaminergic modulation of hemodynamic signal variability and the functional connectome during cognitive performance. Neurolmage, 2018, 172, 341-356. | 2.1 | 54 |
| 530 | Sympathetic arousal, but not disturbed executive functioning, mediates the impairment of cognitive flexibility under stress. Cognition, 2018, 174, 94-102. | 1.1 | 33 |
| 531 | Association of grey matter changes with stability and flexibility of prediction in akinetic-rigid Parkinsonâs disease. Brain Structure and Function, 2018, 223, 2097-2111. | 1.2 | 5 |
| 532 | Influence of internet addiction on executive function and learning attention in Taiwanese school-aged children. Perspectives in Psychiatric Care, 2018, 54, 495-500. | 0.9 | 15 |
| 533 | Effects of tolcapone and bromocriptine on cognitive stability and flexibility. Psychopharmacology, 2018, 235, 1295-1305. | 1.5 | 23 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 534 | A Perceptual Inference Mechanism for Hallucinations Linked to Striatal Dopamine. <i>Current Biology</i> , 2018, 28, 503-514.e4. | 1.8 | 120 |
| 535 | Dopaminergic medication shifts the balance between going and stopping in Parkinson's disease. <i>Neuropsychologia</i> , 2018, 109, 262-269. | 0.7 | 14 |
| 536 | Cognitive Control, the Anterior Cingulate, and Nicotinic Receptors: A Case of Heterozygote Advantage. <i>Journal of Neuroscience</i> , 2018, 38, 257-259. | 1.7 | 0 |
| 537 | Neurochemical changes in basal ganglia affect time perception in parkinsonians. <i>Journal of Biomedical Science</i> , 2018, 25, 26. | 2.6 | 7 |
| 538 | Effects of HIV-1 TAT protein and methamphetamine exposure on visual discrimination and executive function in mice. <i>Behavioural Brain Research</i> , 2018, 349, 73-79. | 1.2 | 17 |
| 539 | Age affects reinforcement learning through dopamine-based learning imbalance and high decision noise" not through Parkinsonian mechanisms. <i>Neurobiology of Aging</i> , 2018, 68, 102-113. | 1.5 | 21 |
| 540 | Frontal Transcranial Direct Current Stimulation Induces Dopamine Release in the Ventral Striatum in Human. <i>Cerebral Cortex</i> , 2018, 28, 2636-2646. | 1.6 | 133 |
| 541 | Reduced distractor interference during vagus nerve stimulation. <i>International Journal of Psychophysiology</i> , 2018, 128, 93-99. | 0.5 | 7 |
| 542 | Central fatigue theory and endurance exercise: Toward an interoceptive model. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 93, 93-107. | 2.9 | 83 |
| 543 | Dopamine D2 agonist affects visuospatial working memory distractor interference depending on individual differences in baseline working memory span. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2018, 18, 509-520. | 1.0 | 23 |
| 544 | Interaction between striatal volume and DAT1 polymorphism predicts working memory development during adolescence. <i>Developmental Cognitive Neuroscience</i> , 2018, 30, 191-199. | 1.9 | 10 |
| 545 | Gene polymorphisms and response to transcranial direct current stimulation for auditory verbal hallucinations in schizophrenia. <i>Acta Neuropsychiatrica</i> , 2018, 30, 218-225. | 1.0 | 17 |
| 546 | Influence of the DRD2/ANKK1 Taq1A polymorphism on caudate volume in older adults without dementia. <i>Brain Structure and Function</i> , 2018, 223, 2653-2662. | 1.2 | 9 |
| 547 | Cerebral blood flow predicts differential neurotransmitter activity. <i>Scientific Reports</i> , 2018, 8, 4074. | 1.6 | 78 |
| 548 | Distinct intrinsic functional brain network abnormalities in methamphetamine-dependent patients with and without a history of psychosis. <i>Addiction Biology</i> , 2018, 23, 347-358. | 1.4 | 28 |
| 549 | COMT genotype is associated with plasticity in sense of body ownership: a pilot study. <i>Psychological Research</i> , 2018, 82, 634-644. | 1.0 | 3 |
| 550 | Effects of positive emotion, extraversion, and dopamine on cognitive stability and flexibility and frontal EEG asymmetry. <i>Psychophysiology</i> , 2018, 55, e12727. | 1.2 | 31 |
| 551 | Remote memories are enhanced by COMT activity through dysregulation of the endocannabinoid system in the prefrontal cortex. <i>Molecular Psychiatry</i> , 2018, 23, 1040-1050. | 4.1 | 19 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 552 | Plasticity in the Working Memory System: Life Span Changes and Response to Injury. <i>Neuroscientist</i> , 2018, 24, 261-276. | 2.6 | 18 |
| 553 | Nicotine and cigarette smoke modulate Nrf2-BDNF-dopaminergic signal and neurobehavioral disorders in adult rat cerebral cortex. <i>Human and Experimental Toxicology</i> , 2018, 37, 540-556. | 1.1 | 12 |
| 554 | Adaptive coordination of working-memory and reinforcement learning in non-human primates performing a trial-and-error problem solving task. <i>Behavioural Brain Research</i> , 2018, 355, 76-89. | 1.2 | 9 |
| 555 | Latent-Profile Analysis Reveals Behavioral and Brain Correlates of Dopamine-Cognition Associations. <i>Cerebral Cortex</i> , 2018, 28, 3894-3907. | 1.6 | 34 |
| 556 | Neuroendocrine stress responses predict catecholamine-dependent working memory-related dorsolateral prefrontal cortex activity. <i>Social Cognitive and Affective Neuroscience</i> , 2018, 13, 114-123. | 1.5 | 11 |
| 557 | Methylphenidate enhances implicit learning in healthy adults. <i>Journal of Psychopharmacology</i> , 2018, 32, 70-80. | 2.0 | 12 |
| 558 | Phosphorylation of calcium/calmodulin-dependent protein kinase II in the rat dorsal medial prefrontal cortex is associated with alcohol-induced cognitive inflexibility. <i>Addiction Biology</i> , 2018, 23, 1117-1129. | 1.4 | 17 |
| 559 | The dynamic balance between cognitive flexibility and stability: the influence of local changes in reward expectation and global task context on voluntary switch rate. <i>Psychological Research</i> , 2018, 82, 65-77. | 1.0 | 30 |
| 560 | Age-Related Repetitive Transcranial Magnetic Stimulation Effects on Executive Function in Depression: A Systematic Review. <i>American Journal of Geriatric Psychiatry</i> , 2018, 26, 334-346. | 0.6 | 27 |
| 561 | Positive allosteric modulation of M1 and M4 muscarinic receptors as potential therapeutic treatments for schizophrenia. <i>Neuropharmacology</i> , 2018, 136, 438-448. | 2.0 | 43 |
| 562 | Prospective memory functioning in individuals with Parkinson's disease: a systematic review. <i>Clinical Neuropsychologist</i> , 2018, 32, 937-959. | 1.5 | 8 |
| 563 | Poor cognitive ageing: Vulnerabilities, mechanisms and the impact of nutritional interventions. <i>Ageing Research Reviews</i> , 2018, 42, 40-55. | 5.0 | 136 |
| 564 | Catechol-O-methyltransferase (COMT) genotype affects cognitive control during total sleep deprivation. <i>Cortex</i> , 2018, 99, 179-186. | 1.1 | 33 |
| 565 | Spontaneous eye blink rate: An index of dopaminergic component of sustained attention and fatigue. <i>International Journal of Psychophysiology</i> , 2018, 123, 58-63. | 0.5 | 87 |
| 566 | The divergent impact of catechol-O-methyltransferase (COMT) Val 158 Met genetic polymorphisms on executive function in adolescents with discrete patterns of childhood adversity. <i>Comprehensive Psychiatry</i> , 2018, 81, 33-41. | 1.5 | 8 |
| 567 | Frontal Cortex and the Hierarchical Control of Behavior. <i>Trends in Cognitive Sciences</i> , 2018, 22, 170-188. | 4.0 | 394 |
| 568 | The cortisol reactivity threshold model: Direction of trait rumination and cortisol reactivity association varies with stressor severity. <i>Psychoneuroendocrinology</i> , 2018, 92, 113-122. | 1.3 | 15 |
| 569 | The association of monoamine-related gene polymorphisms with behavioural correlates of response inhibition: A meta-analytic review. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 84, 49-62. | 2.9 | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 570 | REM sleep deprivation and dopaminergic D2 receptors modulation increase recognition memory in an animal model of Parkinson's disease. <i>Behavioural Brain Research</i> , 2018, 339, 239-248. | 1.2 | 19 |
| 571 | The Corticostriatal Adenosine A2A Receptor Controls Maintenance and Retrieval of Spatial Working Memory. <i>Biological Psychiatry</i> , 2018, 83, 530-541. | 0.7 | 42 |
| 572 | Computational Underpinnings of Neuromodulation in Humans. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2018, 83, 71-82. | 2.0 | 22 |
| 573 | How age affects reinforcement learning. <i>Aging</i> , 2018, 10, 3630-3631. | 1.4 | 3 |
| 574 | Dopaminergic basis for signaling belief updates, but not surprise, and the link to paranoia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E10167-E10176. | 3.3 | 65 |
| 575 | Spontaneous eyeblinks are sensitive to sequential learning. <i>Neuropsychologia</i> , 2018, 119, 489-500. | 0.7 | 2 |
| 576 | A proof-of-principle study of the effect of combined haloperidol and levodopa administration on working memory-related brain activation in humans. <i>Human Psychopharmacology</i> , 2018, 33, e2675. | 0.7 | 3 |
| 577 | Exploring the effect of microdosing psychedelics on creativity in an open-label natural setting. <i>Psychopharmacology</i> , 2018, 235, 3401-3413. | 1.5 | 102 |
| 578 | Effects of Parkinson's disease and dopamine on digit span measures of working memory. <i>Psychopharmacology</i> , 2018, 235, 3443-3450. | 1.5 | 16 |
| 579 | Catecholaminergic manipulation alters dynamic network topology across cognitive states. <i>Network Neuroscience</i> , 2018, 2, 381-396. | 1.4 | 61 |
| 580 | SLC6A3 Polymorphism Predisposes to Dopamine Overdose in Parkinson's Disease. <i>Frontiers in Neurology</i> , 2018, 9, 693. | 1.1 | 12 |
| 581 | The Influence of Dopamine on Cognitive Flexibility Is Mediated by Functional Connectivity in Young but Not Older Adults. <i>Journal of Cognitive Neuroscience</i> , 2018, 30, 1330-1344. | 1.1 | 27 |
| 582 | Apathy in individuals with Parkinson's disease associated with mild cognitive impairment. A neuropsychological investigation. <i>Neuropsychologia</i> , 2018, 118, 4-11. | 0.7 | 27 |
| 583 | Mid-frontal theta activity is diminished during cognitive control in Parkinson's disease. <i>Neuropsychologia</i> , 2018, 117, 113-122. | 0.7 | 90 |
| 584 | Independent effects of age and levodopa on reversal learning in healthy volunteers. <i>Neurobiology of Aging</i> , 2018, 69, 129-139. | 1.5 | 17 |
| 585 | Acute effects of caffeine on threat-selective attention: moderation by anxiety and EEG theta/beta ratio. <i>Biological Psychology</i> , 2018, 136, 100-110. | 1.1 | 16 |
| 586 | Taq1A polymorphism and medication effects on inhibitory action control in Parkinson disease. <i>Brain and Behavior</i> , 2018, 8, e01008. | 1.0 | 16 |
| 587 | Neurocognitive Profiles of Older Adults with Working-Memory Dysfunction. <i>Cerebral Cortex</i> , 2018, 28, 2525-2539. | 1.6 | 25 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 588 | Beneficial and adverse effects of antipsychotic medication on cognitive flexibility are related to COMT genotype in first episode psychosis. <i>Schizophrenia Research</i> , 2018, 202, 212-216. | 1.1 | 7 |
| 589 | Executive Function Deficits in Seriously Ill Children—Emerging Challenges and Possibilities for Clinical Care. <i>Frontiers in Pediatrics</i> , 2018, 6, 92. | 0.9 | 1 |
| 590 | Physiological Measures of Dopaminergic and Noradrenergic Activity During Attentional Set Shifting and Reversal. <i>Frontiers in Psychology</i> , 2018, 9, 506. | 1.1 | 11 |
| 591 | Motivational Influences on Performance Monitoring and Cognitive Control Across the Adult Lifespan. <i>Frontiers in Psychology</i> , 2018, 9, 1018. | 1.1 | 23 |
| 592 | The Intersection of Central Dopamine System and Stroke: Potential Avenues Aiming at Enhancement of Motor Recovery. <i>Frontiers in Synaptic Neuroscience</i> , 2018, 10, 18. | 1.3 | 32 |
| 593 | Dopamine-related dissociation of cortical and subcortical brain activations in cognitively unimpaired Parkinson's disease patients OFF and ON medications. <i>Neuropsychologia</i> , 2018, 119, 24-33. | 0.7 | 12 |
| 594 | Dopamine, time perception, and future time perspective. <i>Psychopharmacology</i> , 2018, 235, 2783-2793. | 1.5 | 17 |
| 595 | Self-rated intensity of habitual physical activities is positively associated with dopamine D2/3 receptor availability and cognition. <i>NeuroImage</i> , 2018, 181, 605-616. | 2.1 | 29 |
| 596 | Children's stress regulation mediates the association between prenatal maternal mood and child executive functions for boys, but not girls. <i>Development and Psychopathology</i> , 2018, 30, 953-969. | 1.4 | 21 |
| 597 | PV Interneurons: Critical Regulators of E/I Balance for Prefrontal Cortex-Dependent Behavior and Psychiatric Disorders. <i>Frontiers in Neural Circuits</i> , 2018, 12, 37. | 1.4 | 403 |
| 598 | On the Physiological Modulation and Potential Mechanisms Underlying Parieto-Occipital Alpha Oscillations. <i>Frontiers in Computational Neuroscience</i> , 2018, 12, 23. | 1.2 | 54 |
| 599 | Explicit Performance in Girls and Implicit Processing in Boys: A Simultaneous fNIRS-ERP Study on Second Language Syntactic Learning in Young Adolescents. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 62. | 1.0 | 11 |
| 600 | Variability in the Precision of Children's Spatial Working Memory. <i>Journal of Intelligence</i> , 2018, 6, 8. | 1.3 | 6 |
| 601 | Genetic and clinical features of social cognition in 22q11.2 deletion syndrome. <i>Journal of Neuroscience Research</i> , 2018, 96, 1631-1640. | 1.3 | 24 |
| 602 | The moral brain and moral behaviour in patients with Parkinson's disease: a review of the literature. <i>Acta Neurologica Belgica</i> , 2018, 118, 387-393. | 0.5 | 6 |
| 603 | Modeling Trajectories of Sensation Seeking and Impulsivity Dimensions from Early to Late Adolescence: Universal Trends or Distinct Sub-groups?. <i>Journal of Youth and Adolescence</i> , 2018, 47, 1992-2005. | 1.9 | 48 |
| 604 | Association between catechol-O-methyltransferase genetic variation and functional connectivity in patients with first-episode schizophrenia. <i>Schizophrenia Research</i> , 2018, 199, 214-220. | 1.1 | 15 |
| 605 | The Roles of Serotonin in Decision-making under Social Group Conditions. <i>Scientific Reports</i> , 2018, 8, 10704. | 1.6 | 9 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 606 | Homeostatic approaches to the treatment of Parkinson's disease: Perspectives and possibilities. <i>Journal of Neuroscience Research</i> , 2018, 96, 1641-1662. | 1.3 | 75 |
| 607 | Pharmacogenomics and Psychiatric Clinical Care. <i>Journal of Psychosocial Nursing and Mental Health Services</i> , 2018, 56, 22-31. | 0.3 | 4 |
| 608 | Superior cognitive goal maintenance in carriers of genetic markers linked to reduced striatal D2 receptor density (C957T and DRD2/ANKK1-TaqlA). <i>PLoS ONE</i> , 2018, 13, e0201837. | 1.1 | 8 |
| 609 | Addiction and dopamine: sex differences and insights from studies of smoking. <i>Current Opinion in Behavioral Sciences</i> , 2018, 23, 150-159. | 2.0 | 10 |
| 610 | The system's neurophysiological basis for how methylphenidate modulates perceptual-attentional conflicts during auditory processing. <i>Human Brain Mapping</i> , 2018, 39, 5050-5061. | 1.9 | 35 |
| 611 | Basic functional trade-offs in cognition: An integrative framework. <i>Cognition</i> , 2018, 179, 56-70. | 1.1 | 44 |
| 612 | Prefrontal D1 Dopamine-Receptor Neurons and Delta Resonance in Interval Timing. <i>Cerebral Cortex</i> , 2019, 29, 2051-2060. | 1.6 | 28 |
| 613 | Modulation of orbitofrontal-striatal reward activity by dopaminergic functional polymorphisms contributes to a predisposition to alcohol misuse in early adolescence. <i>Psychological Medicine</i> , 2019, 49, 801-810. | 2.7 | 17 |
| 614 | Mesenchymal stem cell transplantation and aerobic exercise for Parkinson's disease: therapeutic assets beyond the motor domain. <i>Reviews in the Neurosciences</i> , 2019, 30, 165-178. | 1.4 | 3 |
| 615 | Electroencephalography theta/beta ratio covaries with mind wandering and functional connectivity in the executive control network. <i>Annals of the New York Academy of Sciences</i> , 2019, 1452, 52-64. | 1.8 | 45 |
| 616 | Acute Atomoxetine Selectively Modulates Encoding of Reward Value in Ventral Medial Prefrontal Cortex. <i>Journal of Nippon Medical School</i> , 2019, 86, 98-107. | 0.3 | 7 |
| 617 | How Long Is Too Long: An Individual Time-Window for Motor Planning. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 238. | 1.0 | 11 |
| 618 | Multi-Scale Expressions of One Optimal State Regulated by Dopamine in the Prefrontal Cortex. <i>Frontiers in Physiology</i> , 2019, 10, 113. | 1.3 | 9 |
| 619 | Dissociable Catecholaminergic Modulation of Visual Attention: Differential Effects of Catechol-O-Methyltransferase and Dopamine Beta-Hydroxylase Genes on Visual Attention. <i>Neuroscience</i> , 2019, 412, 175-189. | 1.1 | 17 |
| 620 | A novel approach to evaluate the pharmacodynamics of a selective dopamine D1/D5 receptor partial agonist (PF-06412562) in patients with stable schizophrenia. <i>Journal of Psychopharmacology</i> , 2019, 33, 1237-1247. | 2.0 | 14 |
| 621 | Effects of pioglitazone on mnemonic hippocampal function: A blood oxygen level-dependent functional magnetic resonance imaging study in elderly adults. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2019, 5, 254-263. | 1.8 | 10 |
| 622 | The Role of DRD1 and DRD2 Receptors for Response Selection Under Varying Complexity Levels: Implications for Metacontrol Processes. <i>International Journal of Neuropsychopharmacology</i> , 2019, 22, 747-753. | 1.0 | 8 |
| 623 | Higher striatal D2-receptor availability in aerobically fit older adults but non-selective intervention effects after aerobic versus resistance training. <i>NeuroImage</i> , 2019, 202, 116044. | 2.1 | 15 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 624 | Serotonin and cognitive flexibility. , 2019, , 133-154. | | 2 |
| 625 | “Average is good, extremes are bad” Non-linear inverted U-shaped relationship between neural mechanisms and functionality of mental features. Neuroscience and Biobehavioral Reviews, 2019, 104, 11-25. | 2.9 | 58 |
| 626 | New Onset On-Medication Freezing of Gait After STN-DBS in Parkinson's Disease. Frontiers in Neurology, 2019, 10, 659. | 1.1 | 11 |
| 627 | Aging of the frontal lobe. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2019, 163, 369-389. | 1.0 | 57 |
| 628 | Chemistry of the Adaptive Mind: Lessons from Dopamine. Neuron, 2019, 104, 113-131. | 3.8 | 92 |
| 629 | Association of rs7688285 allelic variation coding for GLRB with fear reactivity and exposure-based therapy in patients with panic disorder and agoraphobia. European Neuropsychopharmacology, 2019, 29, 1138-1151. | 0.3 | 4 |
| 630 | Cardiovascular factors are related to dopamine integrity and cognition in aging. Annals of Clinical and Translational Neurology, 2019, 6, 2291-2303. | 1.7 | 19 |
| 631 | Effects of Methylphenidate on Cognitive Function in Adults with Traumatic Brain Injury: A Meta-Analysis. Brain Sciences, 2019, 9, 291. | 1.1 | 12 |
| 632 | Neuromodulators and Long-Term Synaptic Plasticity in Learning and Memory: A Steered-Glutamatergic Perspective. Brain Sciences, 2019, 9, 300. | 1.1 | 38 |
| 633 | Dopaminergic hypo-activity and reduced theta-band power in autism spectrum disorder: A resting-state EEG study. International Journal of Psychophysiology, 2019, 146, 101-106. | 0.5 | 17 |
| 634 | A Brief Neuropsychological Battery for Measuring Cognitive Functions Associated with Obesity. Obesity, 2019, 27, 1988-1996. | 1.5 | 11 |
| 635 | Attentional blink and putative noninvasive dopamine markers: Two experiments to consolidate possible associations. Cognitive, Affective and Behavioral Neuroscience, 2019, 19, 1444-1457. | 1.0 | 2 |
| 636 | Dopamine and Working Memory: Genetic Variation, Stress and Implications for Mental Health. Current Topics in Behavioral Neurosciences, 2019, 41, 369-391. | 0.8 | 11 |
| 637 | Dopamine D2 receptor stimulation modulates the balance between ignoring and updating according to baseline working memory ability. Journal of Psychopharmacology, 2019, 33, 1254-1263. | 2.0 | 15 |
| 638 | Methylphenidate Treatment of Cognitive Dysfunction in Adults After Mild to Moderate Traumatic Brain Injury: Rationale, Efficacy, and Neural Mechanisms. Frontiers in Neurology, 2019, 10, 925. | 1.1 | 15 |
| 639 | Dopamine and the motivation of cognitive control. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2019, 163, 123-143. | 1.0 | 47 |
| 640 | The relationship of age and DRD2 polymorphisms to frontostriatal brain activity and working memory performance. Neurobiology of Aging, 2019, 84, 189-199. | 1.5 | 8 |
| 641 | Increasing Dopamine and Acetylcholine Levels during Encoding Does Not Modulate Remember or Know Responses during Memory Retrieval in Healthy Aging—a Randomized Controlled Feasibility Study. Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice, 2019, 3, 328-337. | 0.8 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 642 | Editorial. <i>Neuropsychologia</i> , 2019, 123, 1-4. | 0.7 | 2 |
| 643 | Functional neuroanatomical review of the ventral tegmental area. <i>NeuroImage</i> , 2019, 191, 258-268. | 2.1 | 38 |
| 644 | Task context load induces reactive cognitive control: An fMRI study on cortical and brain stem activity. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2019, 19, 945-965. | 1.0 | 25 |
| 645 | It takes two to tango: Dorsal direct and indirect pathways orchestration of motor learning and behavioral flexibility. <i>Neurochemistry International</i> , 2019, 124, 200-214. | 1.9 | 9 |
| 646 | Stratifying drug treatment of cognitive impairments after traumatic brain injury using neuroimaging. <i>Brain</i> , 2019, 142, 2367-2379. | 3.7 | 35 |
| 647 | Increased flanker task and forward digit span performance in caudate-nucleus-dependent response strategies. <i>Brain and Cognition</i> , 2019, 135, 103576. | 0.8 | 7 |
| 648 | Transdiagnostic Multimodal Neuroimaging in Psychosis: Structural, Resting-State, and Task Magnetic Resonance Imaging Correlates of Cognitive Control. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019, 4, 870-880. | 1.1 | 5 |
| 649 | Genetic variants and cognitive functions in patients with brain tumors. <i>Neuro-Oncology</i> , 2019, 21, 1297-1309. | 0.6 | 21 |
| 650 | Functional Involvement of Human Periaqueductal Gray and Other Midbrain Nuclei in Cognitive Control. <i>Journal of Neuroscience</i> , 2019, 39, 6180-6189. | 1.7 | 23 |
| 651 | Executive functioning in children with epilepsy: Genes matter. <i>Epilepsy and Behavior</i> , 2019, 95, 137-147. | 0.9 | 6 |
| 652 | Therapeutic Challenges of Post-traumatic Stress Disorder: Focus on the Dopaminergic System. <i>Frontiers in Pharmacology</i> , 2019, 10, 404. | 1.6 | 32 |
| 653 | Withdrawal from escalated cocaine self-administration impairs reversal learning by disrupting the effects of negative feedback on reward exploitation: a behavioral and computational analysis. <i>Neuropsychopharmacology</i> , 2019, 44, 2163-2173. | 2.8 | 33 |
| 654 | Morning stimulant administration reduces sleep and overnight working memory improvement. <i>Behavioural Brain Research</i> , 2019, 370, 111940. | 1.2 | 5 |
| 655 | Appetite effects of prefrontal stimulation depend on COMT Val158Met polymorphism: A randomized clinical trial. <i>Appetite</i> , 2019, 140, 142-150. | 1.8 | 8 |
| 656 | Altered Brain Signal Variability in Patients With Generalized Anxiety Disorder. <i>Frontiers in Psychiatry</i> , 2019, 10, 84. | 1.3 | 8 |
| 657 | A dynamic attentional control framework for understanding sleep deprivation effects on cognition. <i>Progress in Brain Research</i> , 2019, 246, 111-126. | 0.9 | 24 |
| 658 | Long-term administration of <i>Aspalathus linearis</i> infusion affects spatial memory of adult Sprague-Dawley male rats as well as increases their striatal dopamine content. <i>Journal of Ethnopharmacology</i> , 2019, 238, 111881. | 2.0 | 13 |
| 659 | More than an "inverted-U": An exploratory study of the association between the catechol-o-methyltransferase gene polymorphism and executive functions in Parkinson's disease. <i>PLoS ONE</i> , 2019, 14, e0214146. | 1.1 | 12 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 660 | Individual differences in baseline oculometrics: Examining variation in baseline pupil diameter, spontaneous eye blink rate, and fixation stability. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2019, 19, 1074-1093. | 1.0 | 26 |
| 661 | Caudate nucleus-dependent navigation strategies are associated with increased risk-taking and set-shifting behavior. <i>Learning and Memory</i> , 2019, 26, 101-108. | 0.5 | 7 |
| 662 | Impact of Substance Use Disorder Pharmacotherapy on Executive Function: A Narrative Review. <i>Frontiers in Psychiatry</i> , 2019, 10, 98. | 1.3 | 20 |
| 664 | Dopamine and Gambling Disorder: Prospects for Personalized Treatment. <i>Current Addiction Reports</i> , 2019, 6, 65-74. | 1.6 | 6 |
| 665 | The effect of ANKK1 Taq1A and DRD2 C957T polymorphisms on executive function: A systematic review and meta-analysis. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 100, 224-236. | 2.9 | 24 |
| 666 | Effects of Dopamine on Motor Recovery and Training in Adults and Children With Nonprogressive Neurological Injuries: A Systematic Review. <i>Neurorehabilitation and Neural Repair</i> , 2019, 33, 331-344. | 1.4 | 9 |
| 667 | Impact of Cognitive Profile on Impulse Control Disorders Presence and Severity in Parkinson's Disease. <i>Frontiers in Neurology</i> , 2019, 10, 266. | 1.1 | 8 |
| 668 | Influence of nutritional tyrosine on cognition and functional connectivity in healthy old humans. <i>NeuroImage</i> , 2019, 193, 139-145. | 2.1 | 15 |
| 669 | Spontaneous Regional Brain Activity in Healthy Individuals is Nonlinearly Modulated by the Interaction of ZNF804A rs1344706 and COMT rs4680 Polymorphisms. <i>Neuroscience Bulletin</i> , 2019, 35, 735-742. | 1.5 | 6 |
| 670 | Baseline impulsivity may moderate L-DOPA effects on value-based decision-making. <i>Scientific Reports</i> , 2019, 9, 5652. | 1.6 | 28 |
| 671 | Setting the beat of an internal clock: Effects of dexamphetamine on different interval ranges of temporal processing in healthy volunteers. <i>PsyCh Journal</i> , 2019, 8, 90-109. | 0.5 | 6 |
| 672 | Methylphenidate administration reverts attentional inflexibility in adolescent rats submitted to a model of neonatal hypoxia-ischemia: Predictive validity for ADHD study. <i>Experimental Neurology</i> , 2019, 315, 88-99. | 2.0 | 7 |
| 673 | PET imaging of dopamine release in the frontal cortex of manganese-exposed non-human primates. <i>Journal of Neurochemistry</i> , 2019, 150, 188-201. | 2.1 | 9 |
| 674 | Psychosis risk is associated with decreased resting-state functional connectivity between the striatum and the default mode network. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2019, 19, 998-1011. | 1.0 | 22 |
| 675 | Medial prefrontal cortex ERK and conditioning: Evidence for the association of increased medial prefrontal cortex ERK with the presence/absence of apomorphine conditioned behavior using a unique post-trial conditioning/extinction protocol. <i>Behavioural Brain Research</i> , 2019, 365, 56-65. | 1.2 | 4 |
| 676 | Prefrontal Contributions to Attention and Working Memory. <i>Current Topics in Behavioral Neurosciences</i> , 2019, 41, 129-153. | 0.8 | 53 |
| 677 | Investigating the perceived timing of sensory events triggering actions in patients with Parkinson's disease and the effects of dopaminergic therapy. <i>Cortex</i> , 2019, 115, 309-323. | 1.1 | 2 |
| 678 | Dissociable Effects of Tryptophan Supplementation on Negative Feedback Sensitivity and Reversal Learning. <i>Frontiers in Behavioral Neuroscience</i> , 2019, 13, 127. | 1.0 | 9 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 679 | A Luminescent Lanthanide-Functionalized Metal-Organic Framework as a Highly Selective and Sensitive Chemical Sensor for Dopamine. <i>ChemistrySelect</i> , 2019, 4, 12573-12579. | 0.7 | 7 |
| 680 | Fear expression is suppressed by tyrosine administration. <i>Scientific Reports</i> , 2019, 9, 16073. | 1.6 | 5 |
| 681 | Presynaptic dopamine function measured with [¹⁸ F]fluorodopa and L-DOPA effects on impulsive choice. <i>Scientific Reports</i> , 2019, 9, 17927. | 1.6 | 11 |
| 682 | White Matter Hyperintensities Relate to Basal Ganglia Functional Connectivity and Memory Performance in aMCI and SVMCI. <i>Frontiers in Neuroscience</i> , 2019, 13, 1204. | 1.4 | 9 |
| 683 | An Integrative Model of Effortful Control. <i>Frontiers in Systems Neuroscience</i> , 2019, 13, 79. | 1.2 | 36 |
| 684 | Mechanisms of Aging-Related Cognitive Decline. , 2019, , 226-244. | | 1 |
| 685 | The role of the dorsal striatum in choice impulsivity. <i>Annals of the New York Academy of Sciences</i> , 2019, 1451, 92-111. | 1.8 | 34 |
| 686 | Instrument-based assessment of motor function yields no evidence of dyskinesia in adult first-degree biological relatives of individuals with schizophrenia and schizoaffective disorder. <i>Psychiatry Research</i> , 2019, 272, 135-140. | 1.7 | 8 |
| 687 | Cannabis induced increase in striatal glutamate associated with loss of functional corticostriatal connectivity. <i>European Neuropsychopharmacology</i> , 2019, 29, 247-256. | 0.3 | 45 |
| 688 | Stress matters: Randomized controlled trial on the effect of probiotics on neurocognition. <i>Neurobiology of Stress</i> , 2019, 10, 100141. | 1.9 | 73 |
| 689 | Spatial complexity of brain signal is altered in patients with generalized anxiety disorder. <i>Journal of Affective Disorders</i> , 2019, 246, 387-393. | 2.0 | 17 |
| 690 | Dopamine $\frac{2}{3}$ Binding Potential Modulates Neural Signatures of Working Memory in a Load-Dependent Fashion. <i>Journal of Neuroscience</i> , 2019, 39, 537-547. | 1.7 | 37 |
| 691 | How metacontrol biases and adaptivity impact performance in cognitive search tasks. <i>Cognition</i> , 2019, 182, 251-259. | 1.1 | 26 |
| 692 | On How to Be Flexible (or Not): Modulation of the Stability-Flexibility Balance. <i>Current Directions in Psychological Science</i> , 2019, 28, 3-9. | 2.8 | 83 |
| 693 | Individual Differences in Dopamine Are Associated with Reward Discounting in Clinical Groups But Not in Healthy Adults. <i>Journal of Neuroscience</i> , 2019, 39, 321-332. | 1.7 | 30 |
| 694 | <i>C957T</i> -mediated Variation in Ligand Affinity Affects the Association between ¹¹ C-raclopride Binding Potential and Cognition. <i>Journal of Cognitive Neuroscience</i> , 2019, 31, 314-325. | 1.1 | 13 |
| 695 | Post-encoding wakeful resting supports the retention of new verbal memories in children aged 13-14 years. <i>British Journal of Developmental Psychology</i> , 2019, 37, 199-210. | 0.9 | 13 |
| 696 | Key periods of cognitive decline in a nonhuman primate model of cognitive aging, the common marmoset (<i>Callithrix jacchus</i>). <i>Neurobiology of Aging</i> , 2019, 74, 1-14. | 1.5 | 37 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 697 | The acute effect of <i>Hypericum perforatum</i> on short-term memory in healthy adults. <i>Psychopharmacology</i> , 2019, 236, 613-623. | 1.5 | 15 |
| 698 | The right thalamic glutamate level correlates with functional connectivity with right dorsal anterior cingulate cortex/middle occipital gyrus in unmedicated obsessive-compulsive disorder: A combined fMRI and 1H-MRS study. <i>Australian and New Zealand Journal of Psychiatry</i> , 2019, 53, 207-218. | 1.3 | 18 |
| 699 | Differential effects of D1 and D2 dopamine agonists on memory, motivation, learning and response time in non-human primates. <i>European Journal of Neuroscience</i> , 2019, 49, 199-214. | 1.2 | 12 |
| 700 | Structure and function of dual-source cholinergic modulation in early vision. <i>Journal of Comparative Neurology</i> , 2019, 527, 738-750. | 0.9 | 22 |
| 701 | Methylphenidate's effects on thalamic metabolism and functional connectivity in cannabis abusers and healthy controls. <i>Neuropsychopharmacology</i> , 2019, 44, 1389-1397. | 2.8 | 9 |
| 702 | Role of Macrophage Dopamine Receptors in Mediating Cytokine Production: Implications for Neuroinflammation in the Context of HIV-Associated Neurocognitive Disorders. <i>Journal of Neuroimmune Pharmacology</i> , 2019, 14, 134-156. | 2.1 | 32 |
| 703 | Dopaminergic modulation of pain signals in the medial prefrontal cortex: Challenges and perspectives. <i>Neuroscience Letters</i> , 2019, 702, 71-76. | 1.0 | 20 |
| 704 | Deciphering reward-based decision-making in schizophrenia: A meta-analysis and behavioral modeling of the Iowa Gambling Task. <i>Schizophrenia Research</i> , 2019, 204, 7-15. | 1.1 | 23 |
| 705 | Incorporating Physiology into Creativity Research and Practice: The Effects of Bodily Stress Responses on Creativity in Organizations. <i>Academy of Management Perspectives</i> , 2019, 33, 163-184. | 4.3 | 37 |
| 706 | Genetic Variation of a <i>DRD2</i> Co-expression Network is Associated with Changes in Prefrontal Function After D2 Receptors Stimulation. <i>Cerebral Cortex</i> , 2019, 29, 1162-1173. | 1.6 | 19 |
| 707 | Rumination impairs the control of stimulus-induced retrieval of irrelevant information, but not attention, control, or response selection in general. <i>Psychological Research</i> , 2020, 84, 204-216. | 1.0 | 3 |
| 708 | Mechanisms Underlying Dopamine-Induced Risky Choice in Parkinson's Disease With and Without Depression (History). <i>Computational Psychiatry</i> , 2020, 2, 11. | 1.1 | 14 |
| 709 | Effects of serotonin depletion and dopamine depletion on bimodal divided attention. <i>World Journal of Biological Psychiatry</i> , 2020, 21, 183-194. | 1.3 | 0 |
| 710 | Reward sensitivity predicts dopaminergic response in spatial neglect. <i>Cortex</i> , 2020, 122, 213-224. | 1.1 | 7 |
| 711 | Protein target identification of ginsenosides in skeletal muscle tissues: discovery of natural small-molecule activators of muscle-type creatine kinase. <i>Journal of Ginseng Research</i> , 2020, 44, 461-474. | 3.0 | 16 |
| 712 | The role of dopamine D ₃ receptors in the mechanism of action of cariprazine. <i>CNS Spectrums</i> , 2020, 25, 343-351. | 0.7 | 37 |
| 713 | Dopamine Receptor Expression Among Local and Visual Cortex-Projecting Frontal Eye Field Neurons. <i>Cerebral Cortex</i> , 2020, 30, 148-164. | 1.6 | 20 |
| 714 | Dysfunction of homeostatic control of dopamine by astrocytes in the developing prefrontal cortex leads to cognitive impairments. <i>Molecular Psychiatry</i> , 2020, 25, 732-749. | 4.1 | 71 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 715 | Relevance of working memory for reinforcement learning in older adults varies with timescale of learning. <i>Aging, Neuropsychology, and Cognition</i> , 2020, 27, 654-676. | 0.7 | 8 |
| 716 | High long-term test-retest reliability for extrastriatal ¹¹ C-raclopride binding in healthy older adults. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 1859-1868. | 2.4 | 15 |
| 717 | Age-differential relationships among dopamine D1 binding potential, fusiform BOLD signal, and face-recognition performance. <i>NeuroImage</i> , 2020, 206, 116232. | 2.1 | 6 |
| 718 | Development of dopaminergic genetic associations with visuospatial, verbal and social working memory. <i>Developmental Science</i> , 2020, 23, e12889. | 1.3 | 5 |
| 719 | Balance between Transmitter Availability and Dopamine D2 Receptors in Prefrontal Cortex Influences Memory Functioning. <i>Cerebral Cortex</i> , 2020, 30, 989-1000. | 1.6 | 26 |
| 720 | Tyrosine negatively affects flexible-like behaviour under cognitively demanding conditions. <i>Journal of Affective Disorders</i> , 2020, 260, 329-333. | 2.0 | 6 |
| 721 | Learning in Visual Regions as Support for the Bias in Future Value-Driven Choice. <i>Cerebral Cortex</i> , 2020, 30, 2005-2018. | 1.6 | 6 |
| 722 | Dopamine depletion effects on cognitive flexibility as modulated by tDCS of the dlPFC. <i>Brain Stimulation</i> , 2020, 13, 105-108. | 0.7 | 32 |
| 723 | Learning Experience Reverses Catecholaminergic Effects on Adaptive Behavior. <i>International Journal of Neuropsychopharmacology</i> , 2020, 23, 12-19. | 1.0 | 11 |
| 724 | Serum levels of glial cell line-derived neurotrophic factor and multiple neurotransmitters: In relation to cognitive performance in Parkinson's disease with mild cognitive impairment. <i>International Journal of Geriatric Psychiatry</i> , 2020, 35, 153-162. | 1.3 | 14 |
| 725 | Methylphenidate does not affect convergent and divergent creative processes in healthy adults. <i>NeuroImage</i> , 2020, 205, 116279. | 2.1 | 13 |
| 726 | Evidence for the contribution of COMT gene Val158/108Met polymorphism (rs4680) to working memory training-related prefrontal plasticity. <i>Brain and Behavior</i> , 2020, 10, e01523. | 1.0 | 9 |
| 727 | Effects of Dopaminergic Drugs on Cognitive Control Processes Vary by Genotype. <i>Journal of Cognitive Neuroscience</i> , 2020, 32, 804-821. | 1.1 | 18 |
| 728 | The neuropeptide Drosulfakinin regulates social isolation-induced aggression in <i>Drosophila</i> . <i>Journal of Experimental Biology</i> , 2020, 223, . | 0.8 | 33 |
| 729 | Amisulpride and ¹⁸ F-DOPA modulate subcortical brain nuclei connectivity in resting-state pharmacologic magnetic resonance imaging. <i>Human Brain Mapping</i> , 2020, 41, 1806-1818. | 1.9 | 12 |
| 730 | How sequential changes in reward expectation modulate cognitive control: Pupillometry as a tool to monitor dynamic changes in reward expectation. <i>International Journal of Psychophysiology</i> , 2020, 148, 35-49. | 0.5 | 13 |
| 731 | Abnormal distraction and load-specific connectivity during working memory in cognitively normal Parkinson's disease. <i>Human Brain Mapping</i> , 2020, 41, 1195-1211. | 1.9 | 14 |
| 732 | The influence of dopaminergic polymorphisms on selective stopping. <i>Behavioural Brain Research</i> , 2020, 381, 112441. | 1.2 | 7 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 733 | Dose-dependent effects of estrogen on prediction error related neural activity in the nucleus accumbens of healthy young women. <i>Psychopharmacology</i> , 2020, 237, 745-755. | 1.5 | 7 |
| 734 | Factors associated with successful antipsychotic dose reduction in schizophrenia: a systematic review of prospective clinical trials and meta-analysis of randomized controlled trials. <i>Neuropsychopharmacology</i> , 2020, 45, 887-901. | 2.8 | 41 |
| 735 | Declarative and procedural working memory updating processes are mutually facilitative. <i>Attention, Perception, and Psychophysics</i> , 2020, 82, 1858-1871. | 0.7 | 4 |
| 736 | Disentangling the Role of Working Memory in Parkinson's Disease. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 572037. | 1.7 | 6 |
| 737 | The role of dopamine D1 receptors in MDMA-induced memory impairments. <i>Neurobiology of Learning and Memory</i> , 2020, 176, 107322. | 1.0 | 3 |
| 738 | Sex and the dopaminergic system: Insights from addiction studies. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2020, 175, 141-165. | 1.0 | 8 |
| 739 | Neural mechanisms of persistent avoidance in OCD: A novel avoidance devaluation study. <i>NeuroImage: Clinical</i> , 2020, 28, 102404. | 1.4 | 10 |
| 740 | The cognitive effects of a promised bonus do not depend on dopamine synthesis capacity. <i>Scientific Reports</i> , 2020, 10, 16473. | 1.6 | 4 |
| 741 | Effects of Nicotine on Task Switching and Distraction in Non-smokers. An fMRI Study. <i>Neuroscience</i> , 2020, 444, 43-53. | 1.1 | 3 |
| 742 | Influence of genetic polymorphisms on waterpipe smoking phenotypes. <i>Gene Reports</i> , 2020, 21, 100899. | 0.4 | 0 |
| 743 | Creativity and ADHD: A review of behavioral studies, the effect of psychostimulants and neural underpinnings. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 119, 66-85. | 2.9 | 49 |
| 744 | How Sequentially Changing Reward Prospect Modulates Meta-control: Increasing Reward Prospect Promotes Cognitive Flexibility. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2021, 21, 534-548. | 1.0 | 17 |
| 745 | Neural anomalies during vigilance in schizophrenia: Diagnostic specificity and genetic associations. <i>NeuroImage: Clinical</i> , 2020, 28, 102414. | 1.4 | 13 |
| 746 | Polymer-Modified Carbon Fiber Microelectrodes for Neurochemical Detection of Dopamine and Metabolites. <i>ECS Transactions</i> , 2020, 97, 901-927. | 0.3 | 5 |
| 747 | The effect of aging, Parkinson's disease, and exogenous dopamine on the neural response associated with auditory regularity processing. <i>Neurobiology of Aging</i> , 2020, 89, 71-82. | 1.5 | 13 |
| 748 | Dopamine manipulations modulate paranoid social inferences in healthy people. <i>Translational Psychiatry</i> , 2020, 10, 214. | 2.4 | 14 |
| 749 | Differential Effects of Pergolide and Bromocriptine on Working Memory Performance and Brain Activation after Mild Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2020, 38, 225-234. | 1.7 | 3 |
| 750 | Individual differences in working memory capacity and the regulation of arousal. <i>Attention, Perception, and Psychophysics</i> , 2020, 82, 3273-3290. | 0.7 | 17 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 752 | Approach to Cognitive Impairment in Parkinson's Disease. <i>Neurotherapeutics</i> , 2020, 17, 1495-1510. | 2.1 | 29 |
| 753 | Infralimbic cortical glutamate output is necessary for the neural and behavioral consequences of chronic stress. <i>Neurobiology of Stress</i> , 2020, 13, 100274. | 1.9 | 21 |
| 754 | Dopamine, Cognitive Impairments and Second-Generation Antipsychotics: From Mechanistic Advances to More Personalized Treatments. <i>Pharmaceuticals</i> , 2020, 13, 365. | 1.7 | 27 |
| 755 | Dopamine and reward hypersensitivity in Parkinson's disease with impulse control disorder. <i>Brain</i> , 2020, 143, 2502-2518. | 3.7 | 46 |
| 756 | Binding of Dopamine D1 Receptor and Noradrenaline Transporter in Individuals with Autism Spectrum Disorder: A PET Study. <i>Cerebral Cortex</i> , 2020, 30, 6458-6468. | 1.6 | 25 |
| 757 | Catechol-Based Molecular Memory Film for Redox Linked Bioelectronics. <i>Advanced Electronic Materials</i> , 2020, 6, 2000452. | 2.6 | 14 |
| 758 | Brain voxel-based morphometry correlates of emotion dysregulation in attention-deficit hyperactivity disorder. <i>Brain Imaging and Behavior</i> , 2021, 15, 1388-1402. | 1.1 | 11 |
| 759 | The Downsides of Cognitive Enhancement. <i>Neuroscientist</i> , 2021, 27, 107385842094597. | 2.6 | 29 |
| 760 | Working memory updating training promotes plasticity & behavioural gains: A systematic review & meta-analysis. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 118, 209-235. | 2.9 | 19 |
| 761 | COMT val158met genotype alters the effects of methamphetamine dependence on dopamine and dopamine-related executive function: preliminary findings. <i>Psychiatry Research</i> , 2020, 292, 113269. | 1.7 | 6 |
| 762 | Is Methylphenidate Beneficial and Safe in Pharmacological Cognitive Enhancement?. <i>CNS Drugs</i> , 2020, 34, 1045-1062. | 2.7 | 10 |
| 763 | Drowsiness or mind-wandering? Fluctuations in ocular parameters during attentional lapses. <i>Biological Psychology</i> , 2020, 156, 107950. | 1.1 | 15 |
| 764 | Structural variation within the left globus pallidus is associated with task-switching, not stimulus updating or distractor filtering. <i>Cognitive Neuroscience</i> , 2020, 11, 229-238. | 0.6 | 1 |
| 765 | Augmenting Frontal Dopamine Tone Enhances Maintenance over Gating Processes in Working Memory. <i>Journal of Cognitive Neuroscience</i> , 2021, 33, 1753-1765. | 1.1 | 13 |
| 766 | Recent Advances in Research on Impulsivity and Impulsive Behaviors. <i>Current Topics in Behavioral Neurosciences</i> , 2020, , . | 0.8 | 1 |
| 767 | Slow electroencephalographic oscillations and behavioral measures as predictors of high executive processing in early postmenopausal females: A discriminant analysis approach. <i>Brain and Cognition</i> , 2020, 145, 105613. | 0.8 | 1 |
| 768 | Translation-Focused Approaches to GPCR Drug Discovery for Cognitive Impairments Associated with Schizophrenia. <i>ACS Pharmacology and Translational Science</i> , 2020, 3, 1042-1062. | 2.5 | 6 |
| 769 | Association of self-regulation with white matter correlates in boys with and without autism spectrum disorder. <i>Scientific Reports</i> , 2020, 10, 13811. | 1.6 | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 770 | Biological Sex and Sex Hormone Impacts on Deficits in Episodic-Like Memory in a Rat Model of Early, Pre-motor Stages of Parkinson's Disease. <i>Frontiers in Neurology</i> , 2020, 11, 942. | 1.1 | 5 |
| 771 | Dopaminergic Modulation of Human Intertemporal Choice: A Diffusion Model Analysis Using the D2-Receptor Antagonist Haloperidol. <i>Journal of Neuroscience</i> , 2020, 40, 7936-7948. | 1.7 | 26 |
| 772 | Blood biomarkers indicate that the preclinical stages of Alzheimer's disease present overlapping molecular features. <i>Scientific Reports</i> , 2020, 10, 15612. | 1.6 | 23 |
| 773 | Methylphenidate boosts choices of mental labor over leisure depending on striatal dopamine synthesis capacity. <i>Neuropsychopharmacology</i> , 2020, 45, 2170-2179. | 2.8 | 21 |
| 774 | Effects of COMT Genotypes on Working Memory Performance in Fibromyalgia Patients. <i>Journal of Clinical Medicine</i> , 2020, 9, 2479. | 1.0 | 7 |
| 775 | Catecholaminergic Modulation of Semantic Processing in Sentence Comprehension. <i>Cerebral Cortex</i> , 2020, 30, 6426-6443. | 1.6 | 3 |
| 776 | A Computational Study of Executive Dysfunction in Amyotrophic Lateral Sclerosis. <i>Journal of Clinical Medicine</i> , 2020, 9, 2605. | 1.0 | 6 |
| 777 | Interaction of Catechol-O-methyltransferase Val ¹⁵⁸ Met polymorphism and sex influences association of parietal intrinsic functional connectivity and immediate verbal memory. <i>Brain and Behavior</i> , 2020, 10, e01784. | 1.0 | 7 |
| 778 | l-DOPA and consolidation of fear extinction learning among women with posttraumatic stress disorder. <i>Translational Psychiatry</i> , 2020, 10, 287. | 2.4 | 32 |
| 779 | Differences in Noradrenaline Receptor Expression Across Different Neuronal Subtypes in Macaque Frontal Eye Field. <i>Frontiers in Neuroanatomy</i> , 2020, 14, 574130. | 0.9 | 3 |
| 780 | The Role of Tryptophan and Tyrosine in Executive Function and Reward Processing. <i>International Journal of Tryptophan Research</i> , 2020, 13, 117864692096482. | 1.0 | 15 |
| 781 | Toward a Computational Neuropsychology of Cognitive Flexibility. <i>Brain Sciences</i> , 2020, 10, 1000. | 1.1 | 11 |
| 782 | A Comparison of Dopaminergic and Cholinergic Populations Reveals Unique Contributions of VTA Dopamine Neurons to Short-Term Memory. <i>Cell Reports</i> , 2020, 33, 108492. | 2.9 | 18 |
| 783 | Catechol-O-methyltransferase genotype differentially contributes to the flexibility and stability of cognitive sets in patients with psychotic disorders and their first-degree relatives. <i>Schizophrenia Research</i> , 2020, 223, 236-241. | 1.1 | 1 |
| 784 | Preliminary evidence for an association between intake of high-fat high-sugar diet, variations in peripheral dopamine precursor availability and dopamine-dependent cognition in humans. <i>Journal of Neuroendocrinology</i> , 2020, 32, e12917. | 1.2 | 20 |
| 785 | Dopaminergic modulation of novelty repetition in Parkinson's disease: A study of P3 event-related brain potentials. <i>Clinical Neurophysiology</i> , 2020, 131, 2841-2850. | 0.7 | 6 |
| 786 | Effects of dopamine on reinforcement learning in Parkinson's disease depend on motor phenotype. <i>Brain</i> , 2020, 143, 3422-3434. | 3.7 | 26 |
| 787 | A Systematic Review of the Protective Actions of Cat's Whiskers (Misai Kucing) on the Central Nervous System. <i>Frontiers in Pharmacology</i> , 2020, 11, 692. | 1.6 | 10 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 788 | Nonlinear Effects of Dopamine D1 Receptor Activation on Visuomotor Coordination Task Performance. <i>Cerebral Cortex</i> , 2020, 30, 5346-5355. | 1.6 | 15 |
| 789 | Is It Possible to Improve Working Memory With Prefrontal tDCS? Bridging Currents to Working Memory Models. <i>Frontiers in Psychology</i> , 2020, 11, 939. | 1.1 | 6 |
| 790 | The association of <i>COMT</i> genotype with bupropion treatment response in the treatment of major depressive disorder. <i>Brain and Behavior</i> , 2020, 10, e01692. | 1.0 | 2 |
| 791 | Cortical surface area of the left frontal pole is associated with visuospatial working memory capacity. <i>Neuropsychologia</i> , 2020, 143, 107486. | 0.7 | 5 |
| 792 | Dopamine: from prediction error to psychotherapy. <i>Translational Psychiatry</i> , 2020, 10, 164. | 2.4 | 30 |
| 793 | Impact of dopamine-related genetic variants on physical activity in old age – a cohort study. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2020, 17, 68. | 2.0 | 7 |
| 794 | Transient cholinergic enhancement does not significantly affect either the magnitude or selectivity of perceptual learning of visual texture discrimination. <i>Journal of Vision</i> , 2020, 20, 5. | 0.1 | 2 |
| 795 | Cognitive Aging: The Role of Neurotransmitter Systems. , 2020, , 82-100. | | 2 |
| 796 | The Neurobiology of Impulsive Decision-Making and Reinforcement Learning in Nonhuman Animals. <i>Current Topics in Behavioral Neurosciences</i> , 2020, 47, 23-52. | 0.8 | 12 |
| 797 | Increased dopamine availability magnifies nicotine effects on cognitive control: A pilot study. <i>Journal of Psychopharmacology</i> , 2020, 34, 548-556. | 2.0 | 0 |
| 798 | Baseline-dependent effect of dopamine's precursor L-tyrosine on working memory gating but not updating. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2020, 20, 521-535. | 1.0 | 11 |
| 799 | Dopamine promotes cognitive effort by biasing the benefits versus costs of cognitive work. <i>Science</i> , 2020, 367, 1362-1366. | 6.0 | 204 |
| 800 | A literature review on the neurophysiological underpinnings and cognitive effects of transcutaneous vagus nerve stimulation: challenges and future directions. <i>Journal of Neurophysiology</i> , 2020, 123, 1739-1755. | 0.9 | 52 |
| 801 | Characterization of PF-6142, a Novel, Non-Catecholamine Dopamine Receptor D1 Agonist, in Murine and Nonhuman Primate Models of Dopaminergic Activation. <i>Frontiers in Pharmacology</i> , 2020, 11, 1005. | 1.6 | 18 |
| 802 | Attentional flexibility and prioritization improves long-term memory. <i>Acta Psychologica</i> , 2020, 208, 103104. | 0.7 | 9 |
| 803 | Task-specific Disruptions in Theta Oscillations during Working Memory for Temporal Order in People with Schizophrenia. <i>Journal of Cognitive Neuroscience</i> , 2020, 32, 2117-2130. | 1.1 | 10 |
| 804 | Conscious perception and the modulatory role of dopamine: no effect of the dopamine D2 agonist cabergoline on visual masking, the attentional blink, and probabilistic discrimination. <i>Psychopharmacology</i> , 2020, 237, 2855-2872. | 1.5 | 3 |
| 805 | Altered states of consciousness and creativity. , 2020, , 121-158. | | 19 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 806 | Healthy Subjects With Extreme Patterns of Performance Differ in Functional Network Topology and Benefits From Nicotine. <i>Frontiers in Systems Neuroscience</i> , 2019, 13, 83. | 1.2 | 1 |
| 807 | Temporal development of neurochemical and cognitive impairments following reserpine administration in rats. <i>Behavioural Brain Research</i> , 2020, 383, 112517. | 1.2 | 9 |
| 808 | Impaired context-sensitive adjustment of behaviour in Parkinson's disease patients tested on and off medication: An fMRI study. <i>NeuroImage</i> , 2020, 212, 116674. | 2.1 | 3 |
| 809 | Cumulative Dopamine Genetic Score predicts behavioral and electrophysiological correlates of response inhibition via interactions with task demand. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2020, 20, 59-75. | 1.0 | 9 |
| 810 | Catecholaminergic modulation of the cost of cognitive control in healthy older adults. <i>PLoS ONE</i> , 2020, 15, e0229294. | 1.1 | 9 |
| 811 | Variability in Action Selection Relates to Striatal Dopamine 2/3 Receptor Availability in Humans: A PET Neuroimaging Study Using Reinforcement Learning and Active Inference Models. <i>Cerebral Cortex</i> , 2020, 30, 3573-3589. | 1.6 | 24 |
| 812 | Approaches to Monitor Circuit Disruption after Traumatic Brain Injury: <i>Frontiers in Preclinical Research. International Journal of Molecular Sciences</i> , 2020, 21, 588. | 1.8 | 32 |
| 813 | The Paradoxical Effect of Deep Brain Stimulation on Memory. , 2020, 11, 179. | | 14 |
| 814 | Latent variable evidence on the interplay between language switching frequency and executive control in Spanish-Catalan bilinguals. <i>International Journal of Bilingualism</i> , 2020, 24, 912-930. | 0.6 | 6 |
| 815 | The medial prefrontal cortex - hippocampus circuit that integrates information of object, place and time to construct episodic memory in rodents: Behavioral, anatomical and neurochemical properties. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 113, 373-407. | 2.9 | 84 |
| 816 | Computational Modeling for Neuropsychological Assessment of Bradyphrenia in Parkinson's Disease. <i>Journal of Clinical Medicine</i> , 2020, 9, 1158. | 1.0 | 9 |
| 817 | Weight loss reduces head motion: Revisiting a major confound in neuroimaging. <i>Human Brain Mapping</i> , 2020, 41, 2490-2494. | 1.9 | 26 |
| 818 | Striatal Dopamine and Reward Prediction Error Signaling in Unmedicated Schizophrenia Patients. <i>Schizophrenia Bulletin</i> , 2020, 46, 1535-1546. | 2.3 | 40 |
| 819 | Antidopaminergic treatment is associated with reduced chorea and irritability but impaired cognition in Huntington's disease (Enroll-HD). <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2020, 91, 622-630. | 0.9 | 18 |
| 820 | Methylphenidate treatment increases hippocampal BDNF levels but does not improve memory deficits in hypoxic-ischemic rats. <i>Journal of Psychopharmacology</i> , 2020, 34, 750-758. | 2.0 | 7 |
| 821 | Modulation of Dopamine for Adaptive Learning: a Neurocomputational Model. <i>Computational Brain & Behavior</i> , 2021, 4, 34-52. | 0.9 | 0 |
| 822 | Cognitive flexibility in humans and other laboratory animals. <i>Journal of the Royal Society of New Zealand</i> , 2021, 51, 97-127. | 1.0 | 4 |
| 823 | Embodied self-other overlap in romantic love: a review and integrative perspective. <i>Psychological Research</i> , 2021, 85, 899-914. | 1.0 | 12 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 824 | How do stupendous cannabinoids modulate memory processing via affecting neurotransmitter systems?. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 120, 173-221. | 2.9 | 10 |
| 825 | First Demonstration of Double Dissociation between COMT-Met158 and COMT-Val158 Cognitive Performance When Stressed and When Calmer. <i>Cerebral Cortex</i> , 2021, 31, 1411-1426. | 1.6 | 8 |
| 826 | Dose-response effects of d-amphetamine on effort-based decision-making and reinforcement learning. <i>Neuropsychopharmacology</i> , 2021, 46, 1078-1085. | 2.8 | 36 |
| 827 | The Free-movement pattern Y-maze: A cross-species measure of working memory and executive function. <i>Behavior Research Methods</i> , 2021, 53, 536-557. | 2.3 | 43 |
| 828 | Multimodal investigation of dopamine D2/D3 receptors, default mode network suppression, and cognitive control in cocaine-use disorder. <i>Neuropsychopharmacology</i> , 2021, 46, 316-324. | 2.8 | 14 |
| 829 | Understanding subprocesses of working memory through the lens of model-based cognitive neuroscience. <i>Current Opinion in Behavioral Sciences</i> , 2021, 38, 57-65. | 2.0 | 14 |
| 830 | Dopaminergic modulation of reward discounting in healthy rats: a systematic review and meta-analysis. <i>Psychopharmacology</i> , 2021, 238, 711-723. | 1.5 | 13 |
| 831 | Using pharmacological manipulations to study the role of dopamine in human reward functioning: A review of studies in healthy adults. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 120, 123-158. | 2.9 | 23 |
| 832 | Fronto-temporal brain activity and connectivity track implicit attention to positive and negative social words in a novel socio-emotional Stroop task. <i>NeuroImage</i> , 2021, 226, 117580. | 2.1 | 12 |
| 833 | Neurophysiological biomarkers using transcranial magnetic stimulation in Alzheimer's disease and mild cognitive impairment: A systematic review and meta-analysis. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 121, 47-59. | 2.9 | 47 |
| 834 | Link between temperament traits, brain neurochemistry and response to SSRI: insights from animal model of social behavior. <i>Journal of Affective Disorders</i> , 2021, 282, 1055-1066. | 2.0 | 17 |
| 835 | Cholinergic and dopaminergic effects on prediction error and uncertainty responses during sensory associative learning. <i>NeuroImage</i> , 2021, 226, 117590. | 2.1 | 31 |
| 836 | The interactive effect of genetic polymorphisms of IL-10 and COMT on cognitive function in schizophrenia. <i>Journal of Psychiatric Research</i> , 2021, 136, 501-507. | 1.5 | 10 |
| 837 | Which came first: Cannabis use or deficits in impulse control?. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021, 106, 110066. | 2.5 | 10 |
| 838 | Higher BMI, but not obesity-related genetic polymorphisms, correlates with lower structural connectivity of the reward network in a population-based study. <i>International Journal of Obesity</i> , 2021, 45, 491-501. | 1.6 | 16 |
| 839 | Genetic modifiers in rare disorders: the case of fragile X syndrome. <i>European Journal of Human Genetics</i> , 2021, 29, 173-183. | 1.4 | 9 |
| 840 | Elevated Dopamine Synthesis as a Mechanism of Cognitive Resilience in Aging. <i>Cerebral Cortex</i> , 2022, 32, 2762-2772. | 1.6 | 12 |
| 841 | Dynamics of Top-Down Control and Motor Networks in Parkinson's Disease. <i>Movement Disorders</i> , 2021, 36, 916-926. | 2.2 | 28 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 842 | Neural substrates of deficient cognitive control in individuals with severe internet gaming disorder. <i>NeuroImage: Clinical</i> , 2021, 32, 102828. | 1.4 | 6 |
| 843 | Neuronal Dopamine D3 Receptors: Translational Implications for Preclinical Research and CNS Disorders. <i>Biomolecules</i> , 2021, 11, 104. | 1.8 | 31 |
| 844 | Catechol-O-Methyltransferase Gene Val158Met Polymorphism Moderates the Effect of Social Exclusion and Inclusion on Aggression in Men: Findings From a Mixed Experimental Design. <i>Frontiers in Psychology</i> , 2020, 11, 622914. | 1.1 | 6 |
| 845 | Monetary Reward Discounting, Inhibitory Control, and Trait Impulsivity in Young Adults With Internet Gaming Disorder and Nicotine Dependence. <i>Frontiers in Psychiatry</i> , 2021, 12, 628933. | 1.3 | 17 |
| 846 | The anterior cingulate cortex and event-based modulation of autonomic states. <i>International Review of Neurobiology</i> , 2021, 158, 135-169. | 0.9 | 5 |
| 847 | Modulating Cognition in Healthy Young Adults with tDCS. , 2021, , 329-411. | | 0 |
| 848 | Toward a neurocircuit-based taxonomy to guide treatment of obsessive-compulsive disorder. <i>Molecular Psychiatry</i> , 2021, 26, 4583-4604. | 4.1 | 86 |
| 849 | Cognition-enhancing drugs and applications to aging. , 2021, , 367-378. | | 1 |
| 850 | Dopamine neurons gate the intersection of cocaine use, decision making, and impulsivity. <i>Addiction Biology</i> , 2021, 26, e13022. | 1.4 | 20 |
| 851 | Timing variability and midfrontal $\sim 4\%$ Hz rhythms correlate with cognition in Parkinson's disease. <i>Npj Parkinson's Disease</i> , 2021, 7, 14. | 2.5 | 44 |
| 852 | Noradrenergic Enhancement of Motor Learning, Attention, and Working Memory in Humans. <i>International Journal of Neuropsychopharmacology</i> , 2021, 24, 490-498. | 1.0 | 8 |
| 853 | Expectations of reward and efficacy guide cognitive control allocation. <i>Nature Communications</i> , 2021, 12, 1030. | 5.8 | 90 |
| 854 | A Comprehensive Meta-analysis on Short-term and Working Memory Dysfunction in Parkinson's Disease. <i>Neuropsychology Review</i> , 2021, 31, 288-311. | 2.5 | 15 |
| 855 | Spontaneous Alpha and Theta Oscillations Are Related to Complementary Aspects of Cognitive Control in Younger and Older Adults. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 621620. | 1.0 | 31 |
| 856 | Locus coeruleus integrity and the effect of atomoxetine on response inhibition in Parkinson's disease. <i>Brain</i> , 2021, 144, 2513-2526. | 3.7 | 53 |
| 857 | Rational inattention and tonic dopamine. <i>PLoS Computational Biology</i> , 2021, 17, e1008659. | 1.5 | 18 |
| 858 | Perception-Action Integration Is Modulated by the Catecholaminergic System Depending on Learning Experience. <i>International Journal of Neuropsychopharmacology</i> , 2021, 24, 592-600. | 1.0 | 5 |
| 861 | Methylphenidate reduces orienting bias in healthy individuals. <i>Journal of Psychopharmacology</i> , 2021, 35, 760-767. | 2.0 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 862 | The Human Basal Ganglia Mediate the Interplay between Reactive and Proactive Control of Response through Both Motor Inhibition and Sensory Modulation. <i>Brain Sciences</i> , 2021, 11, 560. | 1.1 | 11 |
| 863 | The Selective Dopamine D2 Blocker Sulpiride Modulates the Relationship Between Agentic Extraversion and Executive Functions. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2021, 21, 852-867. | 1.0 | 1 |
| 864 | GABA Supplementation Negatively Affects Cognitive Flexibility Independent of Tyrosine. <i>Journal of Clinical Medicine</i> , 2021, 10, 1807. | 1.0 | 7 |
| 865 | Dopamine Precursor Depletion in Healthy Volunteers Impairs Processing of Duration but Not Temporal Order. <i>Journal of Cognitive Neuroscience</i> , 2021, 33, 946-963. | 1.1 | 7 |
| 866 | No Effect of Transcranial Direct Current Stimulation over Left Dorsolateral Prefrontal Cortex on Temporal Attention. <i>Journal of Cognitive Neuroscience</i> , 2021, 33, 756-768. | 1.1 | 9 |
| 867 | Preliminary evidence for the phosphodiesterase type-4 inhibitor, roflumilast, in ameliorating cognitive flexibility deficits in patients with schizophrenia. <i>Journal of Psychopharmacology</i> , 2021, 35, 1099-1110. | 2.0 | 8 |
| 869 | Interactive effects of DRD2 rs6277 polymorphism, environment and sex on impulsivity in a population-representative study. <i>Behavioural Brain Research</i> , 2021, 403, 113131. | 1.2 | 1 |
| 870 | Acute intranasal dopamine application counteracts the reversal learning deficit of spontaneously hypertensive rats in an attentional set-shifting task. <i>Psychopharmacology</i> , 2021, 238, 2419-2428. | 1.5 | 4 |
| 872 | How we decide what to eat: Toward an interdisciplinary model of gut-brain interactions. <i>Wiley Interdisciplinary Reviews: Cognitive Science</i> , 2022, 13, e1562. | 1.4 | 9 |
| 873 | Minimally invasive brain injections for viral-mediated transgenesis: New tools for behavioral genetics in sticklebacks. <i>PLoS ONE</i> , 2021, 16, e0251653. | 1.1 | 4 |
| 874 | Executive Functions of Swedish Counterterrorism Intervention Unit Applicants and Police Officer Trainees Evaluated With Design Fluency Test. <i>Frontiers in Psychology</i> , 2021, 12, 580463. | 1.1 | 1 |
| 875 | Investigating interactive effects of worry and the catechol-o-methyltransferase gene (COMT) on working memory performance. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2021, 21, 1153-1163. | 1.0 | 2 |
| 877 | The exploration-exploitation trade-off in a foraging task is affected by mood-related arousal and valence. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2021, 21, 549-560. | 1.0 | 8 |
| 878 | Brain network dynamics during working memory are modulated by dopamine and diminished in schizophrenia. <i>Nature Communications</i> , 2021, 12, 3478. | 5.8 | 69 |
| 879 | Do oral contraceptives affect young women's memory? Dopamine-dependent working memory is influenced by COMT genotype, but not time of pill ingestion. <i>PLoS ONE</i> , 2021, 16, e0252807. | 1.1 | 12 |
| 880 | Paternal exposure to excessive methionine altered behavior and neurochemical activities in zebrafish offspring. <i>Amino Acids</i> , 2021, 53, 1153-1167. | 1.2 | 0 |
| 881 | Bottom-up influences on voluntary task switching in different reward contexts?. <i>Acta Psychologica</i> , 2021, 217, 103312. | 0.7 | 0 |
| 882 | Spontaneous Eye Blinks Predict Executive Functioning in Seniors. <i>Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice</i> , 0, , 1. | 0.8 | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 883 | Neuropsychiatric and Cognitive Deficits in Parkinson's Disease and Their Modeling in Rodents. <i>Biomedicines</i> , 2021, 9, 684. | 1.4 | 14 |
| 884 | Dopamine and the interdependency of time perception and reward. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 125, 380-391. | 2.9 | 20 |
| 885 | Platelet MAO activity and COMT Val158Met genotype interaction predicts visual working memory updating efficiency. <i>Behavioural Brain Research</i> , 2021, 407, 113255. | 1.2 | 3 |
| 886 | Pharmacological enhancing agents targeting cognition in patients with alcohol-induced neurocognitive disorders: A systematic review. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 125, 608-626. | 2.9 | 9 |
| 887 | Distinct roles for dopamine clearance mechanisms in regulating behavioral flexibility. <i>Molecular Psychiatry</i> , 2021, 26, 7188-7199. | 4.1 | 20 |
| 888 | Working memory, cortical dopamine tone, and frontoparietal brain recruitment in post-traumatic stress disorder: a randomized controlled trial. <i>Translational Psychiatry</i> , 2021, 11, 389. | 2.4 | 4 |
| 889 | Dopaminergic organization of striatum is linked to cortical activity and brain expression of genes associated with psychiatric illness. <i>Science Advances</i> , 2021, 7, . | 4.7 | 13 |
| 890 | Temporal discounting in adolescents and adults with Tourette syndrome. <i>PLoS ONE</i> , 2021, 16, e0253620. | 1.1 | 3 |
| 891 | Dopaminergic modulation of working memory and cognitive flexibility in a zebrafish model of aging-related cognitive decline. <i>Neurobiology of Aging</i> , 2021, 102, 1-16. | 1.5 | 10 |
| 892 | Dopaminergic neuromodulation of prefrontal cortex activity requires the NMDA receptor coagonist D-serine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 3.3 | 14 |
| 893 | Brain predictive coding processes are associated to COMT gene Val158Met polymorphism. <i>NeuroImage</i> , 2021, 233, 117954. | 2.1 | 21 |
| 894 | Neuromodulation of prefrontal cortex cognitive function in primates: the powerful roles of monoamines and acetylcholine. <i>Neuropsychopharmacology</i> , 2022, 47, 309-328. | 2.8 | 64 |
| 895 | The Straw That Broke the Camel's Back: Natural Variations in 17 β -Estradiol and COMT-Val158Met Genotype Interact in the Modulation of Model-Free and Model-Based Control. <i>Frontiers in Behavioral Neuroscience</i> , 2021, 15, 658769. | 1.0 | 1 |
| 897 | Information capacity and robustness of encoding in the medial prefrontal cortex are modulated by the bioavailability of serotonin and the time elapsed from the cue during a reward-driven task. <i>Scientific Reports</i> , 2021, 11, 13882. | 1.6 | 1 |
| 898 | Working Memory Performance under a Negative Affect Is More Susceptible to Higher Cognitive Workloads with Different Neural Haemodynamic Correlates. <i>Brain Sciences</i> , 2021, 11, 935. | 1.1 | 2 |
| 899 | Mechanisms underlying dorsolateral prefrontal cortex contributions to cognitive dysfunction in schizophrenia. <i>Neuropsychopharmacology</i> , 2022, 47, 292-308. | 2.8 | 84 |
| 900 | Dopamine modulations of reward-driven music memory consolidation. <i>Annals of the New York Academy of Sciences</i> , 2021, 1502, 85-98. | 1.8 | 17 |
| 901 | Dopaminergic Dysregulation in Syndromic Autism Spectrum Disorders: Insights From Genetic Mouse Models. <i>Frontiers in Neural Circuits</i> , 2021, 15, 700968. | 1.4 | 38 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 902 | Tolcapone in obsessive-compulsive disorder: a randomized double-blind placebo-controlled crossover trial. <i>International Clinical Psychopharmacology</i> , 2021, 36, 225-229. | 0.9 | 8 |
| 903 | Ocular measures during associative learning predict recall accuracy. <i>International Journal of Psychophysiology</i> , 2021, 166, 103-115. | 0.5 | 4 |
| 904 | The effects of combination levodopa-ropinirole on cognitive improvement and treatment outcome in individuals with cocaine use disorder: A bayesian mediation analysis. <i>Drug and Alcohol Dependence</i> , 2021, 225, 108800. | 1.6 | 3 |
| 905 | The role of objective and subjective effort costs in voluntary task choice. <i>Psychological Research</i> , 2022, 86, 1366-1381. | 1.0 | 7 |
| 906 | Case series: New-onset freezing of gait in combined use of deep brain stimulation and Levodopa. <i>Clinical Case Reports (discontinued)</i> , 2021, 9, e04695. | 0.2 | 0 |
| 909 | Drug-Induced Stuttering: Occurrence and Possible Pathways. <i>Frontiers in Psychiatry</i> , 2021, 12, 692568. | 1.3 | 2 |
| 910 | Monkeys exhibit a paradoxical decrease in performance in high-stakes scenarios. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 3.3 | 7 |
| 911 | Serum tyrosine is associated with better cognition in Lewy body dementia. <i>Brain Research</i> , 2021, 1765, 147481. | 1.1 | 9 |
| 912 | The role of prefrontal cortex in cognitive control and executive function. <i>Neuropsychopharmacology</i> , 2022, 47, 72-89. | 2.8 | 336 |
| 913 | A mosaic of cost-benefit control over cortico-striatal circuitry. <i>Trends in Cognitive Sciences</i> , 2021, 25, 710-721. | 4.0 | 39 |
| 914 | The role of dopamine in action control: Insights from medication effects in Parkinson's disease. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 127, 158-170. | 2.9 | 12 |
| 915 | Mesocorticolimbic Dopamine Pathways Across Adolescence: Diversity in Development. <i>Frontiers in Neural Circuits</i> , 2021, 15, 735625. | 1.4 | 35 |
| 916 | Dopaminergic and noradrenergic modulation of stress-induced alterations in brain activation associated with goal-directed behaviour. <i>Journal of Psychopharmacology</i> , 2021, 35, 1449-1463. | 2.0 | 7 |
| 918 | Examining the role of ovarian hormones in the association between worry and working memory across the menstrual cycle. <i>Psychoneuroendocrinology</i> , 2021, 131, 105285. | 1.3 | 11 |
| 919 | Enhancing dopamine tone modulates global and local cortical perfusion as a function of COMT val158met genotype. <i>NeuroImage</i> , 2021, 242, 118472. | 2.1 | 5 |
| 920 | Moderators of gene-outcome associations following traumatic brain injury. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 130, 107-124. | 2.9 | 5 |
| 921 | Memory enhancement with stimulants: Differential neural effects of methylphenidate, modafinil, and caffeine. A pilot study. <i>Brain and Cognition</i> , 2021, 154, 105802. | 0.8 | 2 |
| 922 | The cue-reactivity paradigm: An ensemble of networks driving attention and cognition when viewing drug and natural reward-related stimuli. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 130, 201-213. | 2.9 | 32 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 923 | Value-based cognition and drug dependency. Addictive Behaviors, 2021, 123, 107070. | 1.7 | 0 |
| 924 | Behavioral Studies in Nonhuman Primates: Focus on Models of Substance Use Disorders. , 2022, , 1-12. | | 2 |
| 925 | Medial orbitofrontal cortex dopamine D1/D2 receptors differentially modulate distinct forms of probabilistic decision-making. Neuropsychopharmacology, 2021, 46, 1240-1251. | 2.8 | 13 |
| 927 | Visual Attention Preference for Intermediate Predictability in Young Children. Child Development, 2021, 92, 691-703. | 1.7 | 11 |
| 928 | fMRI in Parkinson's Disease. , 2020, , 417-431. | | 1 |
| 929 | Ritalin. , 2017, , 71-80. | | 1 |
| 930 | Volition und kognitive Kontrolle. , 2017, , 251-315. | | 12 |
| 931 | Hormesis: A potential strategic approach to the treatment of neurodegenerative disease. International Review of Neurobiology, 2020, 155, 271-301. | 0.9 | 30 |
| 932 | The neural correlates of falls: Alterations in large-scale resting-state networks in elderly fallers. Gait and Posture, 2020, 80, 56-61. | 0.6 | 13 |
| 933 | Brain activation and subjective anxiety during an anticipatory anxiety task is related to clinical outcome during prazosin treatment for alcohol use disorder. NeuroImage: Clinical, 2020, 26, 102162. | 1.4 | 5 |
| 934 | Representing Oneself and Others. Experimental Psychology, 2018, 65, 323-331. | 0.3 | 31 |
| 935 | Relating dopaminergic and cholinergic polymorphisms to spatial attention in infancy.. Developmental Psychology, 2014, 50, 360-369. | 1.2 | 13 |
| 936 | Intraindividual variability in neural activity in the prefrontal cortex during active walking in older adults.. Psychology and Aging, 2020, 35, 1201-1214. | 1.4 | 9 |
| 937 | Activation of D1 receptors affects human reactivity and flexibility to valued cues. Neuropsychopharmacology, 2020, 45, 780-785. | 2.8 | 16 |
| 938 | Systematic Audiological Assessment of Auditory Functioning in Patients With Parkinson's Disease. Journal of Speech, Language, and Hearing Research, 2019, 62, 4564-4577. | 0.7 | 10 |
| 957 | Levodopa Facilitates Prefrontal Cortex Activation During Dual Task Walking in Parkinson Disease. Neurorehabilitation and Neural Repair, 2020, 34, 589-599. | 1.4 | 30 |
| 958 | Stochastic Dynamics Underlying Cognitive Stability and Flexibility. PLoS Computational Biology, 2015, 11, e1004331. | 1.5 | 50 |
| 959 | Sleep Extension Improves Neurocognitive Functions in Chronically Sleep-Deprived Obese Individuals. PLoS ONE, 2014, 9, e84832. | 1.1 | 32 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 960 | Association between the Catechol-O-Methyltransferase (COMT) Val158Met Polymorphism and Manual Aiming Control in Healthy Subjects. PLoS ONE, 2014, 9, e99698. | 1.1 | 3 |
| 961 | COMT Val158Met Polymorphism Modulates Huntington's Disease Progression. PLoS ONE, 2016, 11, e0161106. | 1.1 | 17 |
| 962 | Effect of Mild Thyrotoxicosis on Performance and Brain Activations in a Working Memory Task. PLoS ONE, 2016, 11, e0161552. | 1.1 | 17 |
| 963 | COMT and DRD2/ANKK-1 gene-gene interaction account for resetting of gamma neural oscillations to auditory stimulus-driven attention. PLoS ONE, 2017, 12, e0172362. | 1.1 | 7 |
| 964 | ErbB4 Null Mice Display Altered Mesocorticolimbic and Nigrostriatal Dopamine Levels as well as Deficits in Cognitive and Motivational Behaviors. ENeuro, 2020, 7, ENEURO.0395-19.2020. | 0.9 | 15 |
| 965 | Induced Positive Mood and Cognitive Flexibility: Evidence from Task Switching and Reversal Learning. Collabra: Psychology, 2018, 4, . | 0.9 | 6 |
| 966 | Dopaminergic Genes Polymorphisms and Prefrontal Cortex Efficiency Among Obese People - Whether Gender is a Differentiating Factor?. Current Molecular Medicine, 2019, 19, 405-418. | 0.6 | 2 |
| 967 | Catechol-O-Methyl Transferase Modulates Cognition in Late Life: Evidence and Implications for Cognitive Enhancement. CNS and Neurological Disorders - Drug Targets, 2012, 11, 195-208. | 0.8 | 12 |
| 968 | Parkinsonian patients with deficits in the dysexecutive spectrum are impaired on theory of mind tasks. Behavioural Neurology, 2013, 27, 523-33. | 1.1 | 6 |
| 969 | Emotion processing in Parkinson's disease: a blood oxygenation level-dependent functional magnetic resonance imaging study. Neural Regeneration Research, 2019, 14, 666. | 1.6 | 11 |
| 970 | Catecholaminergic challenge uncovers distinct Pavlovian and instrumental mechanisms of motivated (in)action. ELife, 2017, 6, . | 2.8 | 77 |
| 971 | Attenuation of dopamine-modulated prefrontal value signals underlies probabilistic reward learning deficits in old age. ELife, 2017, 6, . | 2.8 | 37 |
| 972 | The effect of perinatal brain injury on dopaminergic function and hippocampal volume in adult life. ELife, 2017, 6, . | 2.8 | 26 |
| 973 | Task-induced functional brain connectivity mediates the relationship between striatal D2/3 receptors and working memory. ELife, 2019, 8, . | 2.8 | 17 |
| 974 | Dopaminergic modulation of the exploration/exploitation trade-off in human decision-making. ELife, 2020, 9, . | 2.8 | 65 |
| 975 | Catecholaminergic modulation of meta-learning. ELife, 2019, 8, . | 2.8 | 14 |
| 976 | Effects of Amisulpride Adjunctive Therapy on Working Memory and Brain Metabolism in the Frontal Cortex of Patients with Schizophrenia: A Preliminary Positron Emission Tomography/Computerized Tomography Investigation. Clinical Psychopharmacology and Neuroscience, 2019, 17, 250-260. | 0.9 | 16 |
| 979 | The effects of increased dopamine-levels on attentional control during reading and reading comprehension. Current Psychology, 0, , 1. | 1.7 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 980 | Effects of methylphenidate on reinforcement learning depend on working memory capacity. <i>Psychopharmacology</i> , 2021, 238, 3569-3584. | 1.5 | 12 |
| 982 | Towards a Memristor Model Library in Modelica. , 2012, , . | | 3 |
| 983 | fMRI in Parkinsonâ€™s Disease. , 2013, , 227-238. | | 0 |
| 984 | Effect of Pramipexole on Cognitive Functions in Restless Legs Syndrome. <i>Su'myeon</i> , 2014, 11, 16-20. | 0.2 | 2 |
| 985 | Executive Functions. , 2016, , 1-10. | | 0 |
| 986 | Executive Functions. , 2017, , 853-862. | | 0 |
| 987 | Correlation Between Intellectual Function and Relapse of Schizophrenia Regarding Dose Reduction in Patients Undergoing High-Dose Antipsychotic Therapy. <i>Juntendo Medical Journal</i> , 2017, 63, 449-457. | 0.1 | 1 |
| 988 | Default Mode of Brain Activity Observed in the Lateral, Medial, and Orbital Prefrontal Cortex in the Monkey. , 2017, , 229-245. | | 0 |
| 989 | Tyrosine. , 2017, , 5-15. | | 0 |
| 990 | Stimulanzien. , 2017, , 1-26. | | 0 |
| 995 | Stimulanzien. , 2018, , 517-535. | | 0 |
| 996 | SLC6A3 Is Associated With Relational Aggression in Children. <i>Journal of Individual Differences</i> , 2017, 38, 220-229. | 0.5 | 3 |
| 1012 | Transcranial direct current stimulation and attention skills in burnout patients: a randomized blinded sham-controlled pilot study. <i>F1000Research</i> , 2020, 9, 116. | 0.8 | 2 |
| 1018 | Transcranial direct current stimulation and attention skills in burnout patients: a randomized blinded sham-controlled pilot study. <i>F1000Research</i> , 2020, 9, 116. | 0.8 | 2 |
| 1020 | When working memory mechanisms compete: Predicting cognitive flexibility versus mental set. <i>Cognition</i> , 2020, 201, 104313. | 1.1 | 11 |
| 1022 | Fronto-striatal dopamine D2 receptor availability is associated with cognitive variability in older individuals with low dopamine integrity. <i>Scientific Reports</i> , 2021, 11, 21089. | 1.6 | 1 |
| 1023 | Case Series: Cariprazine for treatment of methamphetamine use disorder. <i>American Journal on Addictions</i> , 2022, 31, 85-88. | 1.3 | 11 |
| 1024 | Tit for Tat: Costly Punishment in Manifest Huntingtonâ€™s Disease. <i>Neurodegenerative Diseases</i> , 2021, 21, 74-78. | 0.8 | 1 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1026 | Molecular Genetic Research on Temperament in Infancy and Early Childhood. , 2020, , 75-97. | | 2 |
| 1031 | Dopamine and Risky Decision-Making in Gambling Disorder. <i>ENeuro</i> , 2020, 7, ENEURO.0461-19.2020. | 0.9 | 8 |
| 1032 | D ₂ -Like Receptor Expression in the Hippocampus and Amygdala Informs Performance on the Stop-Signal Task in Parkinson's Disease. <i>Journal of Neuroscience</i> , 2021, 41, 10023-10030. | 1.7 | 4 |
| 1033 | Intermittent theta burst stimulation over the parietal cortex has a significant neural effect on working memory. <i>Human Brain Mapping</i> , 2021, , . | 1.9 | 3 |
| 1034 | Reading abilities and dopamine D2/D3 receptor availability: An inverted U-shaped association in subjects with schizophrenia. <i>Brain and Language</i> , 2021, 223, 105046. | 0.8 | 4 |
| 1035 | A common polymorphism in the dopamine transporter gene predicts working memory performance and in vivo dopamine integrity in aging. <i>NeuroImage</i> , 2021, 245, 118707. | 2.1 | 5 |
| 1037 | Using rat operant delayed match-to-sample task to identify neural substrates recruited with increased working memory load. <i>Learning and Memory</i> , 2020, 27, 467-476. | 0.5 | 3 |
| 1039 | A Familiar Landscape in the Brave New World: Ethics of Cognitive Enhancement Introduction. , 2021, , 135-173. | | 0 |
| 1040 | The "Warrior" COMT Val/Met Genotype Occurs in Greater Frequencies in Mixed Martial Arts Fighters Relative to Controls. <i>Journal of Sports Science and Medicine</i> , 2020, 19, 38-42. | 0.7 | 6 |
| 1041 | Transcranial direct current stimulation of bilateral dorsolateral prefrontal cortex eliminates creativity impairment induced by acute stress. <i>International Journal of Psychophysiology</i> , 2022, 171, 1-11. | 0.5 | 7 |
| 1042 | Current concepts in treating mild cognitive impairment in Parkinson's disease. <i>Neuropharmacology</i> , 2022, 203, 108880. | 2.0 | 5 |
| 1044 | Dynamic DNA Methylation Changes in the COMT Gene Promoter Region in Response to Mental Stress and Its Modulation by Transcranial Direct Current Stimulation. <i>Biomolecules</i> , 2021, 11, 1726. | 1.8 | 6 |
| 1045 | Fibroblast growth factor 21 associating with serotonin and dopamine in the cerebrospinal fluid predicts impulsivity in healthy subjects. <i>BMC Neuroscience</i> , 2021, 22, 68. | 0.8 | 1 |
| 1046 | Synthesis and dopamine receptor binding of dihydrexidine and SKF 38393 catecholamine-based analogues. <i>Amino Acids</i> , 2021, , 1. | 1.2 | 0 |
| 1049 | Visuospatial but Not Verbal Working Memory Deficits in Adult Patients With Neurofibromatosis Type 1. <i>Frontiers in Psychology</i> , 2021, 12, 751384. | 1.1 | 1 |
| 1050 | Dopamine, Cognitive Flexibility, and IQ: Epistatic Catechol-O-Methyltransferase:DRD2 Gene Gene Interactions Modulate Mental Rigidity. <i>Journal of Cognitive Neuroscience</i> , 2021, 34, 153-179. | 1.1 | 6 |
| 1051 | Diabetes and Cognitive Impairment: A Role for Glucotoxicity and Dopaminergic Dysfunction. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12366. | 1.8 | 36 |
| 1053 | Dopaminergic medication normalizes aberrant cognitive control circuit signalling in Parkinson's disease. <i>Brain</i> , 2022, 145, 4042-4055. | 3.7 | 5 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1054 | Caffeine and attentional control: improved and impaired performance in healthy older adults and Parkinson's disease according to task demands. <i>Psychopharmacology</i> , 2022, 239, 605-619. | 1.5 | 4 |
| 1055 | Event-based control of autonomic and emotional states by the anterior cingulate cortex. <i>Neuroscience and Biobehavioral Reviews</i> , 2022, 133, 104503. | 2.9 | 16 |
| 1056 | Dependence of Working Memory on Coordinated Activity Across Brain Areas. <i>Frontiers in Systems Neuroscience</i> , 2021, 15, 787316. | 1.2 | 12 |
| 1057 | Functional neuroanatomy of cognition in Parkinson's disease. <i>Progress in Brain Research</i> , 2022, 269, 289-307. | 0.9 | 0 |
| 1058 | OUP accepted manuscript. <i>Cerebral Cortex</i> , 2022, , . | 1.6 | 0 |
| 1059 | Clinical and Structural Differences in Delusions Across Diagnoses: A Systematic Review. <i>Frontiers in Integrative Neuroscience</i> , 2021, 15, 726321. | 1.0 | 6 |
| 1060 | NMDA receptor-related mechanisms of dopaminergic modulation of tDCS-induced neuroplasticity. <i>Cerebral Cortex</i> , 2022, 32, 5478-5488. | 1.6 | 13 |
| 1061 | Dopamine supports idea originality: the role of spontaneous eye blink rate on divergent thinking. <i>Psychological Research</i> , 2023, 87, 17-27. | 1.0 | 5 |
| 1062 | Role of Stress-Related Dopamine Transmission in Building and Maintaining a Protective Cognitive Reserve. <i>Brain Sciences</i> , 2022, 12, 246. | 1.1 | 5 |
| 1063 | L-DOPA administration shifts the stability-flexibility balance towards attentional capture by distractors during a visual search task. <i>Psychopharmacology</i> , 2022, 239, 867-885. | 1.5 | 2 |
| 1065 | Avalanche criticality in individuals, fluid intelligence, and working memory. <i>Human Brain Mapping</i> , 2022, 43, 2534-2553. | 1.9 | 9 |
| 1066 | Multiple sclerosis-related fatigue lacks a unified definition: A narrative review. <i>Journal of Research in Medical Sciences</i> , 2022, 27, 24. | 0.4 | 7 |
| 1067 | Altered glutamate level and its association with working memory among patients with treatment-resistant schizophrenia (TRS): a proton magnetic resonance spectroscopy study. <i>Psychological Medicine</i> , 2023, 53, 3220-3227. | 2.7 | 3 |
| 1068 | Spontaneous Eye Blink Rate During the Working Memory Delay Period Predicts Task Accuracy. <i>Frontiers in Psychology</i> , 2022, 13, 788231. | 1.1 | 14 |
| 1069 | Psychobiotics in diet: significance and applications of neuroactive and psychoactive microbial metabolites. <i>Nutrition Reviews</i> , 2022, , . | 2.6 | 2 |
| 1070 | How Working Memory and Reinforcement Learning Are Intertwined: A Cognitive, Neural, and Computational Perspective. <i>Journal of Cognitive Neuroscience</i> , 2022, 34, 551-568. | 1.1 | 26 |
| 1072 | Altered Pain Processing Associated with Administration of Dopamine Agonist and Antagonist in Healthy Volunteers. <i>Brain Sciences</i> , 2022, 12, 351. | 1.1 | 1 |
| 1073 | Focusing on cognitive potential as the bright side of mental atypicality. <i>Communications Biology</i> , 2022, 5, 188. | 2.0 | 5 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1074 | Cortical dopamine reduces the impact of motivational biases governing automated behaviour. <i>Neuropsychopharmacology</i> , 2022, 47, 1503-1512. | 2.8 | 2 |
| 1075 | <scp>DyNAMiC</scp>: A prospective longitudinal study of dopamine and brain connectomes: A new window into cognitive aging. <i>Journal of Neuroscience Research</i> , 2022, 100, 1296-1320. | 1.3 | 10 |
| 1076 | What Is Targeted When We Train Working Memory? Evidence From a Meta-Analysis of the Neural Correlates of Working Memory Training Using Activation Likelihood Estimation. <i>Frontiers in Psychology</i> , 2022, 13, 868001. | 1.1 | 4 |
| 1077 | Dopamine-Related Reduction of Semantic Spreading Activation in Patients With Parkinson's Disease. <i>Frontiers in Human Neuroscience</i> , 2022, 16, 837122. | 1.0 | 1 |
| 1078 | An Empirical Approach to Analyzing the Effects of Stress on Individual Creativity in Business Problem-Solving: Emphasis on the Electrocardiogram, Electroencephalogram Methodology. <i>Frontiers in Psychology</i> , 2022, 13, 705442. | 1.1 | 2 |
| 1079 | Molecular Imaging of Central Dopamine in Obesity: A Qualitative Review across Substrates and Radiotracers. <i>Brain Sciences</i> , 2022, 12, 486. | 1.1 | 15 |
| 1080 | Cold Entropy: Assessing Individual Differences in Cognitive Adaptability during Cold Stress. <i>Ecological Psychology</i> , 2022, 34, 19-47. | 0.7 | 1 |
| 1081 | Quantifying the inverted U: A meta-analysis of prefrontal dopamine, D1 receptors, and working memory. <i>Behavioral Neuroscience</i> , 2022, 136, 207-218. | 0.6 | 6 |
| 1082 | Neonatal hypoxia-ischemia induces dysregulated feeding patterns and ethanol consumption that are alleviated by methylphenidate administration in rats. <i>Experimental Neurology</i> , 2022, 353, 114071. | 2.0 | 1 |
| 1083 | Contributions of dopamine-related basal ganglia neurophysiology to the developmental effects of incentives on inhibitory control. <i>Developmental Cognitive Neuroscience</i> , 2022, 54, 101100. | 1.9 | 14 |
| 1084 | The correlation between genetic factors and freezing of gait in patients with Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2022, 98, 7-12. | 1.1 | 1 |
| 1085 | Eyeblink rate, a putative dopamine marker, predicts negative reinforcement learning by tDCS of the dlPFC. <i>Brain Stimulation</i> , 2022, 15, 533-535. | 0.7 | 6 |
| 1086 | Pharmacological compounds targeting emotional cognition in alcohol use disorder: A systematic review. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2022, 116, 110535. | 2.5 | 2 |
| 1087 | Self-Administration of Right Vagus Nerve Stimulation Activates Midbrain Dopaminergic Nuclei. <i>Frontiers in Neuroscience</i> , 2021, 15, 782786. | 1.4 | 10 |
| 1088 | Anticholinergic Burden and Cognitive Performance in Patients With Schizophrenia: A Systematic Literature Review. <i>Frontiers in Psychiatry</i> , 2021, 12, 779607. | 1.3 | 12 |
| 1089 | Cerebral [18F]-FDOPA Uptake in Autism Spectrum Disorder and Its Association with Autistic Traits. <i>Diagnostics</i> , 2021, 11, 2404. | 1.3 | 6 |
| 1090 | Dopamine enhances model-free credit assignment through boosting of retrospective model-based inference. <i>ELife</i> , 2021, 10, . | 2.8 | 6 |
| 1093 | The role of the SLC6A3 3' UTR VNTR in nicotine effects on cognitive, affective, and motor function. <i>Psychopharmacology</i> , 2022, 239, 489-507. | 1.5 | 4 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1094 | Dopamine D3 Receptor, Cognition and Cognitive Dysfunctions in Neuropsychiatric Disorders: From the Bench to the Bedside. <i>Current Topics in Behavioral Neurosciences</i> , 2022, , . | 0.8 | 1 |
| 1095 | White-Matter Integrity and Working Memory: Links to Aging and Dopamine-Related Genes. <i>ENeuro</i> , 2022, 9, ENEURO.0413-21.2022. | 0.9 | 9 |
| 1096 | Disentangling cognitive inflexibility in major depressive disorder: A transcranial direct current stimulation study. <i>Psychiatry and Clinical Neurosciences</i> , 2022, 76, 329-337. | 1.0 | 4 |
| 1097 | The Neuromodulatory Basis of Aggression: Lessons From the Humble Fruit Fly. <i>Frontiers in Behavioral Neuroscience</i> , 2022, 16, 836666. | 1.0 | 3 |
| 1098 | Responsivity of the Striatal Dopamine System to Methylphenidateâ€™A Within-Subject I-123-Î²-CIT-SPECT Study in Male Children and Adolescents With Attention-Deficit/Hyperactivity Disorder. <i>Frontiers in Psychiatry</i> , 2022, 13, 804730. | 1.3 | 4 |
| 1099 | Forward and backward spatial recall in Parkinson's disease and matched controls: A 1-year follow-up study. <i>Applied Neuropsychology Adult</i> , 2022, , 1-10. | 0.7 | 2 |
| 1111 | Effects of modafinil on electroencephalographic microstates in healthy adults. <i>Psychopharmacology</i> , 2022, 239, 2573-2584. | 1.5 | 3 |
| 1112 | Metacognitive insight into cognitive performance in Huntingtonâ€™s disease gene carriers. <i>BMJ Neurology Open</i> , 2022, 4, e000268. | 0.7 | 1 |
| 1113 | Exercise and cognition in aging. , 2022, , 437-450. | | 0 |
| 1114 | Effects of Lisdexamfetamine, a Prodrug of D-Amphetamine, on Locomotion, Spatial Cognitive Processing and Neurochemical Profiles in Rats: A Comparison With Immediate-Release Amphetamine. <i>Frontiers in Psychiatry</i> , 2022, 13, 885574. | 1.3 | 2 |
| 1115 | Contributions of the Catechol-O-Methyltransferase Val158Met Polymorphism to Changes in Brain Iron Across Adulthood and Their Relationships to Working Memory. <i>Frontiers in Human Neuroscience</i> , 2022, 16, 838228. | 1.0 | 6 |
| 1116 | Noradrenergic deficits contribute to apathy in Parkinsonâ€™s disease through the precision of expected outcomes. <i>PLoS Computational Biology</i> , 2022, 18, e1010079. | 1.5 | 19 |
| 1117 | Specific dopaminergic genetic variants influence impulsivity, cognitive deficit, and disease severity of Indian ADHD probands. <i>Molecular Biology Reports</i> , 2022, , . | 1.0 | 0 |
| 1118 | Clibenclamide alters serotonin and dopamine levels in the rat striatum and hippocampus, reducing cognitive impairment. <i>Psychopharmacology</i> , 2022, 239, 2787-2798. | 1.5 | 1 |
| 1119 | Dopaminergic Modulation of Dynamic Emotion Perception. <i>Journal of Neuroscience</i> , 2022, 42, 4394-4400. | 1.7 | 10 |
| 1120 | Per2 Expression Regulates the Spatial Working Memory of Mice through DRD1-PKA-CREB Signaling. <i>Molecular Neurobiology</i> , 2022, 59, 4292-4303. | 1.9 | 6 |
| 1121 | Effects of pharmacological and genetic regulation of COMT activity in alcohol use disorder: a randomized, placebo-controlled trial of tolcapone. <i>Neuropsychopharmacology</i> , 2022, 47, 1953-1960. | 2.8 | 7 |
| 1123 | Accelerated atrophy in dopaminergic targets and medial temporo-parietal regions precedes the onset of delusions in patients with Alzheimerâ€™s disease. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2023, 273, 229-241. | 1.8 | 5 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1124 | Human inference reflects a normative balance of complexity and accuracy. <i>Nature Human Behaviour</i> , 2022, 6, 1153-1168. | 6.2 | 7 |
| 1126 | No need to choose: Independent regulation of cognitive stability and flexibility challenges the stability-flexibility trade-off.. <i>Journal of Experimental Psychology: General</i> , 2022, 151, 3009-3027. | 1.5 | 5 |
| 1127 | Within-individual BOLD signal variability in the N-back task and its associations with vigilance and working memory. <i>Neuropsychologia</i> , 2022, 173, 108280. | 0.7 | 5 |
| 1129 | The Cycling Brain in the Workplace: Does Workload Modulate the Menstrual Cycle Effect on Cognition?. <i>Frontiers in Behavioral Neuroscience</i> , 0, 16, . | 1.0 | 0 |
| 1131 | Dietary and serum tyrosine, white matter microstructure and inter-individual variability in executive functions in overweight adults: Relation to sex/gender and age. <i>Appetite</i> , 2022, 178, 106093. | 1.8 | 1 |
| 1132 | Systemic D1 and D2 antagonists in non-human primates differentially impact learning and memory while impairing motivation and motor performance. <i>European Journal of Neuroscience</i> , 2022, 56, 4121-4140. | 1.2 | 1 |
| 1133 | Different brain systems support learning from received and avoided pain during human pain-avoidance learning. <i>ELife</i> , 0, 11, . | 2.8 | 8 |
| 1134 | Catechol-O-methyltransferase activity in individuals with substance use disorders: a case control study. <i>BMC Psychiatry</i> , 2022, 22, . | 1.1 | 0 |
| 1135 | Relevance of interactions between dopamine and glutamate neurotransmission in schizophrenia. <i>Molecular Psychiatry</i> , 2022, 27, 3583-3591. | 4.1 | 22 |
| 1137 | Acute and Protocol-Dependent Effects of Aerobic Exercise on Neurobiochemical Indices and Neuropsychological Performance of Working Memory. <i>SSRN Electronic Journal</i> , 0, , . | 0.4 | 1 |
| 1139 | Cognitive performance in a warming planet. <i>Indoor and Built Environment</i> , 2022, 31, 2195-2198. | 1.5 | 3 |
| 1142 | Dopamine transporter heterozygous rats carrying maternal wild-type allele are more vulnerable to the development of compulsive behavior. <i>Synapse</i> , 2022, 76, . | 0.6 | 7 |
| 1143 | Fronto-striatal connectivity patterns account for the impact of methylphenidate on choice impulsivity among healthy adults. <i>Neuropharmacology</i> , 2022, 216, 109190. | 2.0 | 0 |
| 1144 | Modeling relationships between iron status, behavior, and brain electrophysiology: evidence from a randomized study involving a biofortified grain in Indian adolescents. <i>BMC Public Health</i> , 2022, 22, . | 1.2 | 8 |
| 1145 | Study on the effects of combined tea drinking and mental activity after dinner on smokers in China. <i>Tobacco Induced Diseases</i> , 2022, 20, 1-6. | 0.3 | 0 |
| 1146 | Genetic profile for dopamine signaling predicts brain functional reactivity to repetitive transcranial magnetic stimulation. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 0, , . | 1.8 | 0 |
| 1147 | Cognitive performance, creativity and stress levels of neurotypical young adults under different white noise levels. <i>Scientific Reports</i> , 2022, 12, . | 1.6 | 11 |
| 1148 | Collagen VI deficiency causes behavioral abnormalities and cortical dopaminergic dysfunction. <i>DMM Disease Models and Mechanisms</i> , 2022, 15, . | 1.2 | 5 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1149 | Striatal dopamine dissociates methylphenidate effects on value-based versus surprise-based reversal learning. <i>Nature Communications</i> , 2022, 13, . | 5.8 | 9 |
| 1150 | Activity in the Dorsomedial Striatum Underlies Serial Reversal Learning Performance Under Probabilistic Uncertainty. <i>Biological Psychiatry Global Open Science</i> , 2023, 3, 1030-1041. | 1.0 | 5 |
| 1151 | Genetic polymorphisms in COMT and BDNF influence synchronization dynamics of human neuronal oscillations. <i>IScience</i> , 2022, 25, 104985. | 1.9 | 4 |
| 1152 | Time estimation and arousal responses in dopa-responsive dystonia. <i>Scientific Reports</i> , 2022, 12, . | 1.6 | 1 |
| 1153 | Dissociable effects of positive feedback on the capture and inhibition of impulsive behavior in adolescents with ADHD versus typically developing adolescents. <i>Child Neuropsychology</i> , 0, , 1-26. | 0.8 | 0 |
| 1154 | Overnight fasting affects avoidance learning and relief. <i>Nutritional Neuroscience</i> , 2023, 26, 850-863. | 1.5 | 2 |
| 1155 | Modulating hierarchical learning by high-definition transcranial alternating current stimulation at theta frequency. <i>Cerebral Cortex</i> , 2023, 33, 4421-4431. | 1.6 | 2 |
| 1156 | Relapse of first-episode schizophrenia patients and neurocognitive impairment: The role of dopaminergic and anticholinergic burden. <i>Schizophrenia Research</i> , 2022, 248, 331-340. | 1.1 | 3 |
| 1157 | SRI-32743, a novel allosteric modulator, attenuates HIV-1 Tat protein-induced inhibition of the dopamine transporter and alleviates the potentiation of cocaine reward in HIV-1 Tat transgenic mice. <i>Neuropharmacology</i> , 2022, 220, 109239. | 2.0 | 8 |
| 1158 | Aging and goal-directed cognition: Cognitive control, inhibition, and motivated cognition. <i>Psychology of Learning and Motivation - Advances in Research and Theory</i> , 2022, , . | 0.5 | 0 |
| 1159 | The Reward System: What It Is and How It Is Altered in Cannabis Users. , 2022, , 1-43. | | 0 |
| 1160 | Prediction of successful reanalysis based on eye-blink rate and reading times in sentences with local ambiguity. <i>Language and Cognition</i> , 0, , 1-23. | 0.2 | 0 |
| 1161 | Mapping neuromodulatory systems in Parkinsonâ€™s disease: lessons learned beyond dopamine. , 2022, 1, . | | 1 |
| 1162 | Lifespan developmental changes in neural substrates and functional connectivity for visual semantic processing. <i>Cerebral Cortex</i> , 2023, 33, 4714-4728. | 1.6 | 2 |
| 1163 | Constructing functional models from biophysically-detailed neurons. <i>PLoS Computational Biology</i> , 2022, 18, e1010461. | 1.5 | 3 |
| 1164 | Lower Dopamine D2/3 Receptor Availability is Associated With Worse Verbal Learning and Memory in People Who Smoke Cigarettes. <i>Nicotine and Tobacco Research</i> , 2023, 25, 1047-1051. | 1.4 | 3 |
| 1165 | The inconsistent mediating effect of catechol O methyl transferase Val158Met polymorphism on the sex difference of cognitive impairment in schizophrenia patients. <i>Frontiers in Psychiatry</i> , 0, 13, . | 1.3 | 0 |
| 1166 | Cognitive science theory-driven pharmacology elucidates the neurobiological basis of perception-motor integration. <i>Communications Biology</i> , 2022, 5, . | 2.0 | 4 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1167 | Trait anxiety is associated with amygdala expectation and caloric taste receipt response across eating disorders. <i>Neuropsychopharmacology</i> , 2023, 48, 380-390. | 2.8 | 7 |
| 1168 | Striatal D1 and D2 receptor availability are selectively associated with eye-blink rates after methylphenidate treatment. <i>Communications Biology</i> , 2022, 5, . | 2.0 | 6 |
| 1170 | Fluorescence/Colorimetry/Smartphone Triple-Mode Sensing of Dopamine by a COF-Based Peroxidase-Mimic Platform. <i>Analytical Chemistry</i> , 2022, 94, 14419-14425. | 3.2 | 31 |
| 1171 | Neurobiological insights into twice-exceptionality: Circuits, cells, and molecules. <i>Neurobiology of Learning and Memory</i> , 2022, 195, 107684. | 1.0 | 2 |
| 1172 | The Reward System: What It Is and How It Is Altered in Cannabis Users. , 2022, , 1399-1440. | | 0 |
| 1174 | Right Unilateral Spatial Neglect Improves with Intrinsic Motivation. <i>Case Reports in Neurological Medicine</i> , 2022, 2022, 1-9. | 0.3 | 0 |
| 1175 | Medial Prefrontal Cortex Dysfunction Mediates Working Memory Deficits in Patients with Schizophrenia. <i>Biological Psychiatry Global Open Science</i> , 2022, , . | 1.0 | 0 |
| 1176 | Systematic reviews of the acute effects of amphetamine on working memory and other cognitive performances in healthy individuals, with a focus on the potential influence of personality traits. <i>Human Psychopharmacology</i> , 2023, 38, . | 0.7 | 5 |
| 1177 | Working memory-related alterations in neural oscillations reveal the influence of in-vehicle toluene on cognition at low concentration. <i>Environmental Science and Pollution Research</i> , 2023, 30, 21723-21734. | 2.7 | 1 |
| 1178 | Computational reinforcement learning, reward (and punishment), and dopamine in psychiatric disorders. <i>Frontiers in Psychiatry</i> , 0, 13, . | 1.3 | 1 |
| 1179 | Resting-state BOLD signal variability is associated with individual differences in metacontrol. <i>Scientific Reports</i> , 2022, 12, . | 1.6 | 4 |
| 1180 | L-DOPA enhances neural direction signals in younger and older adults. <i>NeuroImage</i> , 2022, 264, 119670. | 2.1 | 1 |
| 1181 | Ignore the glitch but mind the switch: Positive effects of methylphenidate on cognition in attention deficit hyperactivity disorder are related to prediction gain. <i>Journal of Psychiatric Research</i> , 2022, 156, 177-185. | 1.5 | 0 |
| 1182 | Gpr88 Deletion Impacts Motivational Control Without Overt Disruptions to Striatal Dopamine. <i>Biological Psychiatry Global Open Science</i> , 2023, 3, 1053-1061. | 1.0 | 0 |
| 1183 | Gut microbiota alterations promote traumatic stress susceptibility associated with p-cresol-induced dopaminergic dysfunctions. <i>Brain, Behavior, and Immunity</i> , 2023, 107, 385-396. | 2.0 | 21 |
| 1184 | Working memory processing deficit associated with a nonlinear response pattern of the anterior cingulate cortex in first-episode and drug-naïve schizophrenia. <i>Neuropsychopharmacology</i> , 2023, 48, 552-559. | 2.8 | 2 |
| 1185 | Pramipexole modulates fronto-subthalamic pathway in sequential working memory. <i>Neuropsychopharmacology</i> , 0, , . | 2.8 | 0 |
| 1186 | Effects of monotherapy with a monoamine oxidase B inhibitor on motor symptoms in Parkinson's disease are dependent on frontal function. <i>Neurological Sciences</i> , 0, , . | 0.9 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1187 | Time-restricted feeding and cognitive function in sedentary and physically active elderly individuals: Ramadan diurnal intermittent fasting as a model. <i>Frontiers in Nutrition</i> , 0, 9, . | 1.6 | 4 |
| 1189 | Motivationally salient cue processing measured using the monetary incentive delay (MID) task with electroencephalography (EEG): A potential marker of apathy in Huntington's disease. <i>Neuropsychologia</i> , 2022, 177, 108426. | 0.7 | 4 |
| 1190 | Neural circuits underlying language control and modality control in bilinguals: An fMRI study. <i>Neuropsychologia</i> , 2023, 178, 108430. | 0.7 | 1 |
| 1191 | Dopamine-based polyisoquinoline derivative: Facile preparation and dual applications in efficient iodine capture and Ag nanoparticles immobilization. <i>Journal of Environmental Chemical Engineering</i> , 2023, 11, 109042. | 3.3 | 5 |
| 1192 | Acute and protocol-dependent effects of aerobic exercise on neurobiochemical indices and neuropsychological performance of working memory. <i>Mental Health and Physical Activity</i> , 2023, 24, 100494. | 0.9 | 2 |
| 1193 | An introduction to eye tracking in human factors healthcare research and medical device testing. <i>Human Factors in Healthcare</i> , 2023, 3, 100031. | 0.5 | 6 |
| 1194 | Internet addiction as a multi-dimensional concept and its relationship with well-being: evidence from PLS-SEM and IPMA analysis. <i>Behaviour and Information Technology</i> , 0, , 1-22. | 2.5 | 0 |
| 1196 | Effect of methylphenidate on functional controllability: a preliminary study in medication-naïve children with ADHD. <i>Translational Psychiatry</i> , 2022, 12, . | 2.4 | 1 |
| 1198 | The catecholamine precursor Tyrosine reduces autonomic arousal and decreases decision thresholds in reinforcement learning and temporal discounting. <i>PLoS Computational Biology</i> , 2022, 18, e1010785. | 1.5 | 4 |
| 1199 | Positron Emission Tomography Assessments of Phosphodiesterase 10A in Patients With Schizophrenia. <i>Schizophrenia Bulletin</i> , 0, , . | 2.3 | 0 |
| 1200 | Quantifying Dopaminergic Innervation in Rodents Using Unbiased Stereology. <i>Neuromethods</i> , 2023, , 31-63. | 0.2 | 1 |
| 1201 | Mindful attention promotes control of brain network dynamics for self-regulation and discontinues the past from the present. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, . | 3.3 | 10 |
| 1202 | INCOG 2.0 Guidelines for Cognitive Rehabilitation Following Traumatic Brain Injury, Part II: Attention and Information Processing Speed. <i>Journal of Head Trauma Rehabilitation</i> , 2023, 38, 38-51. | 1.0 | 13 |
| 1203 | Dementia and Mild Neurocognitive Disorders. , 2022, , . | | 0 |
| 1204 | A Second-Order Adaptive Mental Network Model Relating Dreaming to Creativity. <i>Cognitive Systems Research</i> , 2022, , . | 1.9 | 0 |
| 1205 | The costs and benefits of psychedelics on cognition and mood. <i>Neuron</i> , 2023, 111, 614-630. | 3.8 | 7 |
| 1206 | Point-of-Care Testing of Enzyme Polymorphisms for Predicting Hypnotizability and Postoperative Pain. <i>Journal of Molecular Diagnostics</i> , 2023, 25, 197-210. | 1.2 | 0 |
| 1207 | White matter lesion load determines exercise-induced dopaminergic plasticity and working memory gains in aging. <i>Translational Psychiatry</i> , 2023, 13, . | 2.4 | 3 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1208 | Experimental Medicine Approaches in Early-Phase CNS Drug Development. <i>Advances in Neurobiology</i> , 2023, , 417-455. | 1.3 | 0 |
| 1209 | Impact of the Dopamine System on Long-Term Cognitive Impairment in Parkinson Disease: An Exploratory Study. <i>Movement Disorders Clinical Practice</i> , 2023, 10, 943-955. | 0.8 | 1 |
| 1210 | Altered Brain Dynamics Across Bipolar Disorder and Schizophrenia During Rest and Task Switching Revealed by Overlapping Brain States. <i>Biological Psychiatry</i> , 2023, 94, 580-590. | 0.7 | 2 |
| 1211 | Noradrenergic and cholinergic systems take centre stage in neuropsychiatric diseases of ageing. <i>Neuroscience and Biobehavioral Reviews</i> , 2023, 149, 105167. | 2.9 | 8 |
| 1212 | Dopamine differentially modulates medial temporal lobe activity and behavior during spatial navigation in young and older adults. <i>NeuroImage</i> , 2023, 273, 120099. | 2.1 | 1 |
| 1213 | Cognitive impairment in schizophrenia: aetiology, pathophysiology, and treatment. <i>Molecular Psychiatry</i> , 2023, 28, 1902-1918. | 4.1 | 63 |
| 1214 | Impairment and Control: Bilateral Relationship between Alcohol Use Disorder and Working Memory. , 0, 8, 1599-1603. | | 0 |
| 1215 | Self-reported intake of high-fat and high-sugar diet is not associated with cognitive stability and flexibility in healthy men. <i>Appetite</i> , 2023, 183, 106477. | 1.8 | 3 |
| 1216 | Digitally embodied lifespan neurocognitive development and Tactile Internet: Transdisciplinary challenges and opportunities. <i>Frontiers in Human Neuroscience</i> , 0, 17, . | 1.0 | 1 |
| 1218 | The Potential of Causal Approaches in Creativity Using Ultrasonic Brain Stimulation. <i>Current Clinical Neurology</i> , 2023, , 235-253. | 0.1 | 0 |
| 1220 | Dysregulation of AMPA Receptor Trafficking and Intracellular Vesicular Sorting in the Prefrontal Cortex of Dopamine Transporter Knock-Out Rats. <i>Biomolecules</i> , 2023, 13, 516. | 1.8 | 1 |
| 1221 | Age Differences in Motivated Cognition: A Meta-Analysis. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2023, 78, 1169-1181. | 2.4 | 3 |
| 1223 | L-DOPA increases slow-wave sleep duration and selectively modulates memory persistence in older adults. <i>Frontiers in Behavioral Neuroscience</i> , 0, 17, . | 1.0 | 0 |
| 1224 | Pharmacological Modulation of Temporal Discounting: A Systematic Review. <i>Healthcare (Switzerland)</i> , 2023, 11, 1046. | 1.0 | 1 |
| 1225 | Hormonal contraception and cognition: Considering the influence of endogenous ovarian hormones and genes for clinical translation. <i>Frontiers in Neuroendocrinology</i> , 2023, 70, 101067. | 2.5 | 1 |
| 1226 | Activating the dorsomedial and ventral midbrain projections to the striatum differentially impairs goal-directed action in male mice. <i>Neuropharmacology</i> , 2023, 234, 109550. | 2.0 | 3 |
| 1271 | Principles of cognitive control over task focus and task switching. , 2023, 2, 702-714. | | 6 |
| 1296 | Working Memory and Executive Functions. , 2024, , 314-348. | | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|---|----|-----------|
| 1300 | Neurochemistry of executive functions. , 2024, , . | | 0 |
| 1305 | Selective vulnerability in Huntington's disease: From excitotoxicity, mitochondrial dysfunction, and transcription dysregulation to therapeutic opportunity. , 2024, , 285-309. | | 0 |
| 1312 | The Bayesian Brain and Tinnitus. , 2024, , 189-203. | | 0 |