Anthony G Phillips

List of Publications by Year
in descending order

102 papers	9,687 citations	38742 50 h-index	36028 97 g-index
104 all docs	104 docs citations	104 times ranked	7352 citing authors

#	Article	IF	Citations
1	Selective Roles for Hippocampal, Prefrontal Cortical, and Ventral Striatal Circuits in Radial-Arm Maze Tasks With or Without a Delay. Journal of Neuroscience, 1997, 17, 1880-1890.	3.6	662
2	D₁Receptor Modulation of Hippocampalâ€“Prefrontal Cortical Circuits Integrating Spatial Memory with Executive Functions in the Rat. Journal of Neuroscience, 1998, 18, 1613-1621.	3.6	462
3	Dopamine functions in appetitive and defensive behaviours. Progress in Neurobiology, 1992, 39, 247-279.	5.7	405
4	Dopaminergic substrates of amphetamine-induced place preference conditioning. Brain Research, 1982, 253, 185-193.	2.2	367
5	Reinforcing effects of morphine microinjection into the ventral tegmental area. Pharmacology Biochemistry and Behavior, 1980, 12, 965-968.	2.9	315
6	Functional differences between the prelimbic and anterior cingulate regions of the rat prefrontal cortex.. Behavioral Neuroscience, 1995, 109, 1063-1073.	1.2	312
7	Attenuation of heroin reward in rats by disruption of the mesolimbic dopamine system. Psychopharmacology, 1983, 79, 278-283.	3.1	303
8	Nucleus Accumbens Long-Term Depression and the Expression of Behavioral Sensitization. Science, 2005, 310, 1340-1343.	12.6	261
9	Hippocampal long-term depression is required for the consolidation of spatial memory. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 16697-16702.	7.1	244
10	Effects of Expectation on Placebo-Induced Dopamine Release in Parkinson Disease. Archives of General Psychiatry, 2010, 67, 857.	12.3	244
11	Dopamine and preparatory behavior: II. A neurochemical analysis.. Behavioral Neuroscience, 1989, 103, 15-23.	1.2	243
12	Modulation of Hippocampal and Amygdalar-Evoked Activity of Nucleus Accumbens Neurons by Dopamine: Cellular Mechanisms of Input Selection. Journal of Neuroscience, 2001, 21, 2851-2860.	3.6	218
13	Magnitude of Dopamine Release in Medial Prefrontal Cortex Predicts Accuracy of Memory on a Delayed Response Task. Journal of Neuroscience, 2004, 24, 547-553.	3.6	216
14	Hippocampal long-term depression mediates acute stress-induced spatial memory retrieval impairment. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 11471-11476.	7.1	205
15	Delay-dependent modulation of memory retrieval by infusion of a dopamine Dâ‚•agonist into the rat medial prefrontal cortex.. Behavioral Neuroscience, 2001, 115, 934-939.	1.2	199
16	Dynamic Changes in Nucleus Accumbens Dopamine Efflux During the Coolidge Effect in Male Rats. Journal of Neuroscience, 1997, 17, 4849-4855.	3.6	193
17	Stimulation of the Ventral Subiculum of the Hippocampus Evokes Glutamate Receptor-mediated Changes in Dopamine Efflux in the Rat Nucleus Accumbens. European Journal of Neuroscience, 1997, 9, 902-911.	2.6	187
18	Decreased resistance to extinction after haloperidol: Implications for the role of dopamine in reinforcement. Pharmacology Biochemistry and Behavior, 1979, 10, 751-760.	2.9	165

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19	Amygdalar control of the mesocorticolimbic dopamine system: parallel pathways to motivated behavior. Neuroscience and Biobehavioral Reviews, 2003, 27, 543-554.	6.1	165
20	Thalamicâ€"Corticalâ€"Striatal Circuitry Subserves Working Memory during Delayed Responding on a Radial Arm Maze. Journal of Neuroscience, 1999, 19, 11061-11071.	3.6	163
21	Antidepressant effects of ketamine and the roles of AMPA glutamate receptors and other mechanisms beyond NMDA receptor antagonism. Journal of Psychiatry and Neuroscience, 2017, 42, 222-229.	2.4	162
22	Glucocorticoid receptors in the prefrontal cortex regulate stress-evoked dopamine efflux and aspects of executive function. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18459-18464.	7.1	154
23	Multifaceted Contributions by Different Regions of the Orbitofrontal and Medial Prefrontal Cortex to Probabilistic Reversal Learning. Journal of Neuroscience, 2016, 36, 1996-2006.	3.6	149
24	Association Basolateral amygdala stimulation evokes glutamate receptor-dependent dopamine efflux in the nucleus accumbens of the anaesthetized rat. European Journal of Neuroscience, 1998, 10, 1241-1251.	2.6	147
25	A â€˜crashâ€™ course on psychostimulant withdrawal as a model of depression. Trends in Pharmacological Sciences, 2002, 23, 475-482.	8.7	146
26	Disruption of AMPA Receptor Endocytosis Impairs the Extinction, but not Acquisition of Learned Fear. Neuropsychopharmacology, 2008, 33, 2416-2426.	5.4	144
27	A top-down perspective on dopamine, motivation and memory. Pharmacology Biochemistry and Behavior, 2008, 90, 236-249.	2.9	136
28	Dopamine and preparatory behavior: I. Effects of pimozide.. Behavioral Neuroscience, 1987, 101, 352-360.	1.2	135
29	Selective memory impairments produced by transient lidocaine-induced lesions of the nucleus accumbens in rats.. Behavioral Neuroscience, 1994, 108, 456-468.	1.2	134
30	Dopamine D₁and NMDA Receptors Mediate Potentiation of Basolateral Amygdala-Evoked Firing of Nucleus Accumbens Neurons. Journal of Neuroscience, 2001, 21, 6370-6376.	3.6	134
31	Glutamate Receptor-Dependent Modulation of Dopamine Efflux in the Nucleus Accumbens by Basolateral, But Not Central, Nucleus of the Amygdala in Rats. Journal of Neuroscience, 2002, 22, 1137-1145.	3.6	133
32	Dopaminergic Correlates of Sensory-Specific Satiety in the Medial Prefrontal Cortex and Nucleus Accumbens of the Rat. Journal of Neuroscience, 1999, 19, RC29-RC29.	3.6	128
33	NMDA GluN2A and GluN2B receptors play separate roles in the induction of LTP and LTD in the amygdala and in the acquisition and extinction of conditioned fear. Neuropharmacology, 2012, 62, 797-806.	4.1	117
34	Modulation by Central and Basolateral Amygdalar Nuclei of Dopaminergic Correlates of Feeding to Satiety in the Rat Nucleus Accumbens and Medial Prefrontal Cortex. Journal of Neuroscience, 2002, 22, 10958-10965.	3.6	107
35	Medial prefrontal cortex is involved in spatial temporal order memory but not spatial recognition memory in tests relying on spontaneous exploration in rats. Behavioural Brain Research, 2004, 153, 273-285.	2.2	104
36	Dynamic Fluctuations in Dopamine Efflux in the Prefrontal Cortex and Nucleus Accumbens during Risk-Based Decision Making. Journal of Neuroscience, 2012, 32, 16880-16891.	3.6	92

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37	Effects of Withdrawal from an Escalating Dose Schedule of d-Amphetamine on Sexual Behavior in the Male Rat. Pharmacology Biochemistry and Behavior, 1999, 64, 597-604.	2.9	89
38	Conditioned changes in dopamine oxidation currents in the nucleus accumbens of rats by stimuli paired with self-administration or yoked-administration ofd-amphetamine. European Journal of Neuroscience, 1998, 10, 1121-1127.	2.6	88
39	Neuroplasticity as a convergent mechanism of ketamine and classical psychedelics. Trends in Pharmacological Sciences, 2021, 42, 929-942.	8.7	87
40	Cognition and the Basal Ganglia: A Possible Substrate for Procedural Knowledge. Canadian Journal of Neurological Sciences, 1987, 14, 381-385.	0.5	83
41	Differential effects of dopamine receptor antagonists on the sexual behavior of male rats. Psychopharmacology, 1989, 98, 363-368.	3.1	83
42	Preferential Involvement by Nucleus Accumbens Shell in Mediating Probabilistic Learning and Reversal Shifts. Journal of Neuroscience, 2014, 34, 4618-4626.	3.6	81
43	Disruption of brain stimulation-induced feeding by dopamine receptor blockade. Nature, 1975, 258, 750-751.	27.8	72
44	Attenuation of d-amphetamine self-administration by baclofen in the rat: behavioral and neurochemical correlates. Psychopharmacology, 2005, 177, 409-417.	3.1	70
45	Evaluation of the Wistar-Kyoto rat model of depression and the role of synaptic plasticity in depression and antidepressant response. Neuroscience and Biobehavioral Reviews, 2019, 105, 1-23.	6.1	62
46	Tracking Progress toward a Goal in Corticostriatal Ensembles. Journal of Neuroscience, 2014, 34, 2244-2253.	3.6	60
47	The effects of pimozide during pairing on the transfer of classical conditioning to an operant discrimination. Pharmacology Biochemistry and Behavior, 1981, 14, 101-105.	2.9	59
48	A selective role for dopamine in the nucleus accumbens of the rat in random foraging but not delayed spatial win-shift-based foraging. Behavioural Brain Research, 1996, 80, 161-168.	2.2	56
49	Modulation of dopamine mediated phosphorylation of AMPA receptors by PSD-95 and AKAP79/150. Neuropharmacology, 2004, 47, 764-778.	4.1	53
50	THE ACQUISITION OF RESPONDING WITH CONDITIONED REINFORCEMENT: EFFECTS OF COCAINE, (+)â€AMPHETAMINE AND PIPRADROL. British Journal of Pharmacology, 1981, 74, 149-154.	5.4	52
51	Increased successive negative contrast in rats withdrawn from an escalating-dose schedule of d-amphetamine. Pharmacology Biochemistry and Behavior, 2002, 71, 293-299.	2.9	52
52	Neurochemical correlates of relapse to d-amphetamine self-administration by rats induced by stimulation of the ventral subiculum. Psychopharmacology, 2003, 168, 99-108.	3.1	50
53	A Quantitative Analysis of Context-Dependent Remapping of Medial Frontal Cortex Neurons and Ensembles. Journal of Neuroscience, 2016, 36, 8258-8272.	3.6	50
54	Attenuated Dopamine Efflux in the Rat Nucleus Accumbens During Successive Negative Contrast.. Behavioral Neuroscience, 2004, 118, 869-873.	1.2	49

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55	The relation between dopamine oxidation currents in the nucleus accumbens and conditioned increases in motor activity in rats following repeated administration ofd-amphetamine or cocaine. European Journal of Neuroscience, 1998, 10, 1113-1120.	2.6	47
56	Ketamine and its metabolite, (2R,6R)-HNK, restore hippocampal LTP and long-term spatial memory in the Wistar-Kyoto rat model of depression. Molecular Brain, 2020, 13, 92.	2.6	44
57	Amphetamine Exerts Dose-Dependent Changes in Prefrontal Cortex Attractor Dynamics during Working Memory. Journal of Neuroscience, 2015, 35, 10172-10187.	3.6	42
58	Changes in dopamine efflux associated with extinction, CS-induced and d-amphetamine-induced reinstatement of drug-seeking behavior by rats. Behavioural Brain Research, 2001, 120, 147-158.	2.2	38
59	Glucocorticoid receptors in the prefrontal cortex regulate dopamine efflux to stress via descending glutamatergic feedback to the ventral tegmental area. International Journal of Neuropsychopharmacology, 2013, 16, 1799-1807.	2.1	37
60	Kindling of basolateral amygdala but not ventral hippocampus or perirhinal cortex disrupts sensorimotor gating in rats. Behavioural Brain Research, 2007, 177, 30-36.	2.2	33
61	Dopamine efflux in the nucleus accumbens during within-session extinction, outcome-dependent, and habit-based instrumental responding for food reward. Psychopharmacology, 2007, 191, 641-651.	3.1	33
62	Processing efficiency of a verbal working memory system is modulated by amphetamine: an fMRI investigation. Psychopharmacology, 2005, 180, 634-643.	3.1	31
63	Blockade of acquisition of one-way conditioned avoidance responding by haloperidol and metoclopramide but not by thioridazine or clozapine: implications for screening new antipsychotic drugs. Psychopharmacology, 1989, 98, 453-459.	3.1	30
64	Electrical stimulation of the hippocampus disrupts prepulse inhibition in rats: frequency- and site-dependent effects. Behavioural Brain Research, 2004, 152, 187-197.	2.2	30
65	Cadherins mediate cocaine-induced synaptic plasticity and behavioral conditioning. Nature Neuroscience, 2017, 20, 540-549.	14.8	29
66	Temporal Dynamics of Hippocampal and Medial Prefrontal Cortex Interactions During the Delay Period of a Working Memory-Guided Foraging Task. Cerebral Cortex, 2017, 27, 5331-5342.	2.9	29
67	Prior Exposure to Salient Win-Paired Cues in a Rat Gambling Task Increases Sensitivity to Cocaine Self-Administration and Suppresses Dopamine Efflux in Nucleus Accumbens: Support for the Reward Deficiency Hypothesis of Addiction. Journal of Neuroscience, 2019, 39, 1842-1854.	3.6	29
68	Differences in the emergent coding properties of cortical and striatal ensembles. Nature Neuroscience, 2014, 17, 1100-1106.	14.8	24
69	Involvement of the Ventral Pallidum in Working Memory Tasks With or Without a Delay. Annals of the New York Academy of Sciences, 1999, 877, 711-716.	3.8	22
70	Neural circuits engaged in ventral hippocampal modulation of dopamine function in medial prefrontal cortex and ventral striatum. Brain Structure and Function, 2008, 213, 183-195.	2.3	22
71	Dopamine and hippocampal input to the nucleus accumbens play an essential role in the search for food in an unpredictable environment. Cognitive, Affective and Behavioral Neuroscience, 1999, 27, 277-286.	1.3	21
72	Prenatal Ethanol Exposure in Rats Decreases Levels of Complexin Proteins in the Frontal Cortex. Alcoholism: Clinical and Experimental Research, 2005, 29, 1915-1920.	2.4	20

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73	Long-term potentiation facilitates behavioral responding to single-pulse stimulation of the perforant path.. Behavioral Neuroscience, 1985, 99, 603-620.	1.2	19
74	Facilitated extinction of morphine conditioned place preference with Tat-GluA23Y interference peptide. Behavioural Brain Research, 2012, 233, 389-397.	2.2	19
75	Interactions between Mesolimbic Dopamine Neurons, Cholecystokinin, and Neurotensin: Evidence Using in Vivo Voltammetry. Annals of the New York Academy of Sciences, 1988, 537, 347-361.	3.8	18
76	Effects of D- and L-govadine on the disruption of touchscreen object-location paired associates learning in rats by acute MK-801 treatment. Psychopharmacology, 2015, 232, 4371-4382.	3.1	18
77	Dopamine and Glutamate Interaction Mediates Reinstatement of Drug-Seeking Behavior by Stimulation of the Ventral Subiculum. International Journal of Neuropsychopharmacology, 2015, 18, pyu008-pyu008.	2.1	17
78	Effective Use of Animal Models for Therapeutic Development in Psychiatric and Substance UseÂDisorders. Biological Psychiatry, 2018, 83, 915-923.	1.3	16
79	Effects of Short-Term Abstinence from Escalating Doses of D-Amphetamine on Drug and Sucrose-Evoked Dopamine Efflux in the Rat Nucleus Accumbens. Neuropsychopharmacology, 2007, 32, 932-939.	5.4	15
80	Selective Effects of D- and L-Govadine in Preclinical Tests of Positive, Negative, and Cognitive Symptoms of Schizophrenia. Neuropsychopharmacology, 2014, 39, 1754-1762.	5.4	14
81	Block of voltage-gated calcium channels stimulates dopamine efflux in rat mesocorticolimbic system. Neuropharmacology, 2009, 56, 984-993.	4.1	12
82	A preclinical assessment of d.l-govadine as a potential antipsychotic and cognitive enhancer. International Journal of Neuropsychopharmacology, 2012, 15, 1441-1455.	2.1	12
83	Hydroxynorketamine: Implications for the NMDA Receptor Hypothesis of Ketamineâ€™s Antidepressant Action. Chronic Stress, 2017, 1, 247054701774351.	3.4	12
84	Tetrahydroprotoberberines: A Novel Source of Pharmacotherapies for Substance Use Disorders?. Trends in Pharmacological Sciences, 2020, 41, 147-161.	8.7	12
85	Conditioned aversion to brain-stimulation reward: Effects of electrode placement and prior experience. Brain Research, 1979, 170, 523-531.	2.2	10
86	Activation of the ventral subiculum reinvigorates behavior after failure to achieve a goal: Implications for dopaminergic modulation of motivational processes. Behavioural Brain Research, 2019, 356, 266-270.	2.2	10
87	A naturalistic method to test depression: Anticipation of play. Behavioural Brain Research, 2021, 398, 112975.	2.2	10
88	Amelioration of cognitive impairments induced by GABA hypofunction in the male rat prefrontal cortex by direct and indirect dopamine D1 agonists SKF-81297 and d-Govadine. Neuropharmacology, 2020, 162, 107844.	4.1	9
89	Brain-stimulation reward after twenty-five years.. Canadian Journal of Psychology, 1978, 32, 54-57.	0.8	8
90	Mesocorticolimbic dopamine: a neurochemical link between motivation and memory. International Congress Series, 2003, 1250, 509-526.	0.2	8

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91	Effects of Neurotensin on Dopamine Release in the Nucleus Accumbens: Comparisons with Atypical Antipsychotic Drug Action. Annals of the New York Academy of Sciences, 1988, 537, 478-480.	3.8	6
92	Dissociable effects of the d- and l- enantiomers of govadine on the disruption of prepulse inhibition by MK-801 and apomorphine in male Long-Evans rats. Psychopharmacology, 2017, 234, 1079-1091.	3.1	6
93	The effects of d -govadine on conditioned place preference with d -amphetamine or food reward. Behavioural Brain Research, 2017, 321, 223-231.	2.2	5
94	Neural bases for attenuation of morphine withdrawal by Heantos-4: role of l-tetrahydropalmatine. Scientific Reports, 2020, 10, 21275.	3.3	5
95	Utilizing resources of neuropsychopharmacology to address the opioid overdose crisis. Neuropsychopharmacology Reports, 2018, 38, 100-104.	2.3	2
96	Anticipation: An Essential Feature of Anhedonia. Current Topics in Behavioral Neurosciences, 2022, , 305-323.	1.7	2
97	Heantos-4, a natural plant extract used in the treatment of drug addiction, modulates T-type calcium channels and thalamocortical burst-firing. Molecular Brain, 2016, 9, 94.	2.6	1
98	Differential effects of d- and l-enantiomers of govadine on distinct forms of cognitive flexibility and a comparison with dopaminergic drugs. Psychopharmacology, 2021, 238, 1069-1085.	3.1	1
99	Placing old wine into new bottles: successful repurposing of bumetanide for treatment of autism spectrum disorder. Science Bulletin, 2021, 66, 1491-1492.	9.0	1
100	Unified theories of psychoses and affective disorders: Are they feasible without accurate neural models of cognition and emotion?. Behavioral and Brain Sciences, 1987, 10, 222-222.	0.7	0
101	Absence Epilepsy. , 2008, , 2-2.		0
102	Disruption of Long-Term Depression Potentiates Latent Inhibition: Key Role for Central Nucleus of the Amygdala. International Journal of Neuropsychopharmacology, 2021, 24, 580-591.	2.1	0