

# Paul E M Phillips

## List of Publications by Year in descending order

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97  
papers

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101  
docs citations

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times ranked

11022  
citing authors

#	ARTICLE	IF	CITATIONS
1	Implantable Aptamer-Graphene Microtransistors for Real-Time Monitoring of Neurochemical Release in Vivo. <i>Nano Letters</i> , 2022, 22, 3668-3677.	4.5	21
2	Repetitive Blast Promotes Chronic Aversion to Neutral Cues Encountered in the Peri-Blast Environment. <i>Journal of Neurotrauma</i> , 2021, 38, 940-948.	1.7	10
3	Catecholaminergic Innervation of the Lateral Nucleus of the Cerebellum Modulates Cognitive Behaviors. <i>Journal of Neuroscience</i> , 2021, 41, 3512-3530.	1.7	15
4	Repetitive blast mild traumatic brain injury increases ethanol sensitivity in male mice and risky drinking behavior in male combat veterans. <i>Alcoholism: Clinical and Experimental Research</i> , 2021, 45, 1051-1064.	1.4	16
5	The 5 $\alpha$ -reductase inhibitor finasteride reduces opioid self-administration in animal models of opioid use disorder. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	12
6	The Influence of Stress on Decision-Making: Effects of CRF and Dopamine Antagonism in the Nucleus Accumbens. <i>Frontiers in Psychiatry</i> , 2021, 12, 814218.	1.3	1
7	Repetitive Blast Exposure Increases Appetitive Motivation and Behavioral Inflexibility in Male Mice. <i>Frontiers in Behavioral Neuroscience</i> , 2021, 15, 792648.	1.0	6
8	Insidious Transmission of a Stress-Related Neuroadaptation. <i>Frontiers in Behavioral Neuroscience</i> , 2020, 14, 564054.	1.0	8
9	The Protective Action Encoding of Serotonin Transients in the Human Brain. <i>Neuropsychopharmacology</i> , 2018, 43, 1425-1435.	2.8	70
10	Hitchhiker's Guide to Voltammetry: Acute and Chronic Electrodes for in Vivo Fast-Scan Cyclic Voltammetry. <i>ACS Chemical Neuroscience</i> , 2017, 8, 221-234.	1.7	167
11	Peroxiredoxin 6 mediates G $\beta$ i protein-coupled receptor inactivation by cJun kinase. <i>Nature Communications</i> , 2017, 8, 743.	5.8	41
12	Dopamine Encodes Retrospective Temporal Information in a Context-Independent Manner. <i>Cell Reports</i> , 2017, 20, 1765-1774.	2.9	23
13	Pramipexole enhances disadvantageous decision-making: Lack of relation to changes in phasic dopamine release. <i>Neuropharmacology</i> , 2017, 114, 77-87.	2.0	22
14	Genetic Isolation of Hypothalamic Neurons that Regulate Context-Specific Male Social Behavior. <i>Cell Reports</i> , 2016, 16, 304-313.	2.9	49
15	Making risk-takers settle. <i>Nature</i> , 2016, 531, 588-589.	13.7	0
16	Subsecond dopamine fluctuations in human striatum encode superposed error signals about actual and counterfactual reward. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 200-205.	3.3	170
17	Probing the Neurochemical Correlates of Motivation and Decision Making. <i>ACS Chemical Neuroscience</i> , 2015, 6, 11-13.	1.7	6
18	Stress effects on the neural substrates of motivated behavior. <i>Nature Neuroscience</i> , 2015, 18, 1405-1412.	7.1	89

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19	Kappa Opioid Receptor-Induced Aversion Requires p38 MAPK Activation in VTA Dopamine Neurons. <i>Journal of Neuroscience</i> , 2015, 35, 12917-12931.	1.7	147
20	Repeated stress exposure causes strain-dependent shifts in the behavioral economics of cocaine in rats. <i>Addiction Biology</i> , 2015, 20, 297-301.	1.4	16
21	Cocaine Increases Dopaminergic Neuron and Motor Activity via Midbrain $\hat{\pm}1$ Adrenergic Signaling. <i>Neuropsychopharmacology</i> , 2015, 40, 1151-1162.	2.8	49
22	Dynamic shaping of dopamine signals during probabilistic Pavlovian conditioning. <i>Neurobiology of Learning and Memory</i> , 2015, 117, 84-92.	1.0	75
23	Phasic Dopamine Release in the Rat Nucleus Accumbens Symmetrically Encodes a Reward Prediction Error Term. <i>Journal of Neuroscience</i> , 2014, 34, 698-704.	1.7	238
24	Genetic variation in COMT activity impacts learning and dopamine release capacity in the striatum. <i>Learning and Memory</i> , 2014, 21, 205-214.	0.5	22
25	Dopamine-associated cached values are not sufficient as the basis for action selection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 18357-18362.	3.3	42
26	Excessive cocaine use results from decreased phasic dopamine signaling in the striatum. <i>Nature Neuroscience</i> , 2014, 17, 704-709.	7.1	239
27	Phasic Dopamine Release in the Nucleus Accumbens in Response to Pro-Social 50 kHz Ultrasonic Vocalizations in Rats. <i>Journal of Neuroscience</i> , 2014, 34, 10616-10623.	1.7	130
28	Kappa Opioid Receptor Activation Potentiates the Cocaine-Induced Increase in Evoked Dopamine Release Recorded In Vivo in the Mouse Nucleus Accumbens. <i>Neuropsychopharmacology</i> , 2014, 39, 3036-3048.	2.8	53
29	Prolonged dopamine signalling in striatum signals proximity and value of distant rewards. <i>Nature</i> , 2013, 500, 575-579.	13.7	444
30	Dopamine Encoding of Pavlovian Incentive Stimuli Diminishes with Extended Training. <i>Journal of Neuroscience</i> , 2013, 33, 3526-3532.	1.7	83
31	Direct-Pathway Striatal Neurons Regulate the Retention of Decision-Making Strategies. <i>Journal of Neuroscience</i> , 2013, 33, 11668-11676.	1.7	77
32	CRF acts in the midbrain to attenuate accumbens dopamine release to rewards but not their predictors. <i>Nature Neuroscience</i> , 2013, 16, 383-385.	7.1	105
33	Overinhibition of corticostriatal activity following prenatal cocaine exposure. <i>Annals of Neurology</i> , 2013, 73, 355-369.	2.8	18
34	Hierarchical recruitment of phasic dopamine signaling in the striatum during the progression of cocaine use. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 20703-20708.	3.3	222
35	Repeated Stress Dysregulates $\hat{\mu}$ -Opioid Receptor Signaling in the Dorsal Raphe through a p38 $\hat{\pm}$ MAPK-Dependent Mechanism. <i>Journal of Neuroscience</i> , 2012, 32, 12325-12336.	1.7	53
36	Severe stress switches CRF action in the nucleus accumbens from appetitive to aversive. <i>Nature</i> , 2012, 490, 402-406.	13.7	255

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37	Pavlovian valuation systems in learning and decision making. <i>Current Opinion in Neurobiology</i> , 2012, 22, 1054-1061.	2.0	95
38	Altered Risk-Based Decision Making following Adolescent Alcohol Use Results from an Imbalance in Reinforcement Learning in Rats. <i>PLoS ONE</i> , 2012, 7, e37357.	1.1	27
39	Neuroeconomics. <i>Frontiers in Behavioral Neuroscience</i> , 2012, 6, 15.	1.0	3
40	Monitoring extracellular pH, oxygen, and dopamine during reward delivery in the striatum of primates. <i>Frontiers in Behavioral Neuroscience</i> , 2012, 6, 36.	1.0	41
41	Transient neuronal inhibition reveals opposing roles of indirect and direct pathways in sensitization. <i>Nature Neuroscience</i> , 2011, 14, 22-24.	7.1	377
42	Sub-Second Dopamine Detection in Human Striatum. <i>PLoS ONE</i> , 2011, 6, e23291.	1.1	100
43	A selective role for dopamine in stimulusâ€“reward learning. <i>Nature</i> , 2011, 469, 53-57.	13.7	871
44	Risk preference following adolescent alcohol use is associated with corrupted encoding of costs but not rewards by mesolimbic dopamine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 5466-5471.	3.3	84
45	The Influence of Dopamine in Generating Action from Motivation. , 2011, , 163-187.		4
46	Chronic microsensors for longitudinal, subsecond dopamine detection in behaving animals. <i>Nature Methods</i> , 2010, 7, 126-129.	9.0	316
47	Dissociable cost and benefit encoding of future rewards by mesolimbic dopamine. <i>Nature Neuroscience</i> , 2010, 13, 25-27.	7.1	212
48	Dopamine Signaling in the Nucleus Accumbens of Animals Self-Administering Drugs of Abuse. <i>Current Topics in Behavioral Neurosciences</i> , 2010, 3, 29-71.	0.8	166
49	Delays Conferred by Escalating Costs Modulate Dopamine Release to Rewards But Not Their Predictors. <i>Journal of Neuroscience</i> , 2010, 30, 12020-12027.	1.7	92
50	Absence of NMDA receptors in dopamine neurons attenuates dopamine release but not conditioned approach during Pavlovian conditioning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 13491-13496.	3.3	77
51	Control of Extracellular Dopamine at Dendrite and Axon Terminals. <i>Journal of Neuroscience</i> , 2010, 30, 6975-6983.	1.7	118
52	An Animal Model of Genetic Vulnerability to Behavioral Disinhibition and Responsiveness to Reward-Related Cues: Implications for Addiction. <i>Neuropsychopharmacology</i> , 2010, 35, 388-400.	2.8	303
53	Controls of Tonic and Phasic Dopamine Transmission in the Dorsal and Ventral Striatum. <i>Molecular Pharmacology</i> , 2009, 76, 396-404.	1.0	146
54	The Time Course of Dopamine Transmission in the Ventral Tegmental Area. <i>Journal of Neuroscience</i> , 2009, 29, 13344-13352.	1.7	69

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55	CRF Enhancement of GIRK Channel-Mediated Transmission in Dopamine Neurons. <i>Neuropsychopharmacology</i> , 2009, 34, 1926-1935.	2.8	65
56	Disruption of NMDAR-dependent burst firing by dopamine neurons provides selective assessment of phasic dopamine-dependent behavior. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 7281-7288.	3.3	360
57	Representation of Subjective Value in the Striatum. , 2009, , 389-406.		23
58	Phasic Dopaminergic Signaling: Implications for Parkinson's Disease. , 2009, , 1-18.		2
59	Dopamine Modulates Persistent Synaptic Activity and Enhances the Signal-to-Noise Ratio in the Prefrontal Cortex. <i>PLoS ONE</i> , 2009, 4, e6507.	1.1	134
60	Phasic Dopamine Release in Appetitive Behaviors and Drug Addiction. <i>Current Drug Abuse Reviews</i> , 2009, 2, 195-213.	3.4	156
61	Corticotropin-releasing factor increases mouse ventral tegmental area dopamine neuron firing through a protein kinase C-dependent enhancement of <i>h</i> . <i>Journal of Physiology</i> , 2008, 586, 2157-2170.	1.3	235
62	Phasic Dopamine Release Evoked by Abused Substances Requires Cannabinoid Receptor Activation. <i>Journal of Neuroscience</i> , 2007, 27, 791-795.	1.7	334
63	Dopamine release is heterogeneous within microenvironments of the rat nucleus accumbens. <i>European Journal of Neuroscience</i> , 2007, 26, 2046-2054.	1.2	155
64	Presynaptic regulation of dendrodendritic dopamine transmission. <i>European Journal of Neuroscience</i> , 2007, 26, 1479-1488.	1.2	39
65	Paradoxical modulation of short-term facilitation of dopamine release by dopamine autoreceptors. <i>Journal of Neurochemistry</i> , 2007, 102, 1115-1124.	2.1	49
66	Calculating utility: preclinical evidence for cost-benefit analysis by mesolimbic dopamine. <i>Psychopharmacology</i> , 2007, 191, 483-495.	1.5	215
67	Weighing up the benefits of work: Behavioral and neural analyses of effort-related decision making. <i>Neural Networks</i> , 2006, 19, 1302-1314.	3.3	265
68	Cre recombinase-mediated restoration of nigrostriatal dopamine in dopamine-deficient mice reverses hypophagia and bradykinesia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 8858-8863.	3.3	196
69	Cocaine Increases Dopamine Release by Mobilization of a Synapsin-Dependent Reserve Pool. <i>Journal of Neuroscience</i> , 2006, 26, 3206-3209.	1.7	213
70	Psychophysiological Mediators of Caregiver Stress and Differential Cognitive Decline.. <i>Psychology and Aging</i> , 2005, 20, 402-411.	1.4	105
71	Rapid Dopamine Signaling in the Nucleus Accumbens during Contingent and Noncontingent Cocaine Administration. <i>Neuropsychopharmacology</i> , 2005, 30, 853-863.	2.8	203
72	Real-time measurement of dopamine fluctuations after cocaine in the brain of behaving rats. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 10023-10028.	3.3	427

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73	Mesocortical Dopamine Neurons Operate in Distinct Temporal Domains Using Multimodal Signaling. <i>Journal of Neuroscience</i> , 2005, 25, 5013-5023.	1.7	209
74	Dynamic Gain Control of Dopamine Delivery in Freely Moving Animals. <i>Journal of Neuroscience</i> , 2004, 24, 1754-1759.	1.7	154
75	Real-time decoding of dopamine concentration changes in the caudate?putamen during tonic and phasic firing. <i>Journal of Neurochemistry</i> , 2004, 89, 526-526.	2.1	10
76	Extrasynaptic dopamine and phasic neuronal activity. <i>Nature Neuroscience</i> , 2004, 7, 199-199.	7.1	23
77	Cannabinoids Enhance Subsecond Dopamine Release in the Nucleus Accumbens of Awake Rats. <i>Journal of Neuroscience</i> , 2004, 24, 4393-4400.	1.7	303
78	Dopamine Operates as a Subsecond Modulator of Food Seeking. <i>Journal of Neuroscience</i> , 2004, 24, 1265-1271.	1.7	635
79	Real-Time Measurements of Phasic Changes in Extracellular Dopamine Concentration in Freely Moving Rats by Fast-Scan Cyclic Voltammetry. , 2003, 79, 443-464.		81
80	Presynaptic dopaminergic function is largely unaltered in mesolimbic and mesostriatal terminals of adult rats that were prenatally exposed to cocaine. <i>Brain Research</i> , 2003, 961, 63-72.	1.1	33
81	Critical guidelines for validation of the selectivity of in-vivo chemical microsensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2003, 22, 509-514.	5.8	93
82	Real-time decoding of dopamine concentration changes in the caudate-putamen during tonic and phasic firing. <i>Journal of Neurochemistry</i> , 2003, 87, 1284-1295.	2.1	232
83	Subsecond dopamine release promotes cocaine seeking. <i>Nature</i> , 2003, 422, 614-618.	13.7	1,020
84	Catastrophic ape decline in western equatorial Africa. <i>Nature</i> , 2003, 422, 611-614.	13.7	530
85	A role for presynaptic mechanisms in the actions of nomifensine and haloperidol. <i>Neuroscience</i> , 2003, 118, 819-829.	1.1	99
86	Overoxidation of carbon-fiber microelectrodes enhances dopamine adsorption and increases sensitivityElectronic supplementary information (ESI) available: National Instruments Data Acquisition System. See <a href="http://www.rsc.org/suppdata/an/b3/b307024g/">http://www.rsc.org/suppdata/an/b3/b307024g/</a> . <i>Analyst, The</i> , 2003, 128, 1413.	1.7	335
87	Time window of autoreceptor-mediated inhibition of limbic and striatal dopamine release. <i>Synapse</i> , 2002, 44, 15-22.	0.6	117
88	Sub-second changes in accumbal dopamine during sexual behavior in male rats. <i>NeuroReport</i> , 2001, 12, 2549-2552.	0.6	133
89	Terminal effects of ethanol on dopamine dynamics in rat nucleus accumbens: An in vitro voltammetric study. <i>Synapse</i> , 2001, 42, 77-79.	0.6	59
90	Uptake of D-serine by synaptosomal P2 fraction isolated from rat brain. <i>Synapse</i> , 2001, 42, 84-86.	0.6	23

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91	Differential recruitment of N-, P- and Q-type voltage-operated calcium channels in striatal dopamine release evoked by "regular" and "burst" firing. Brain Research, 2000, 884, 139-146.	1.1	52
92	Voltammogram "Landscapes" Aid Detection and Identification of In Vivo Electrochemical Signals. Electroanalysis, 1999, 11, 301-307.	1.5	2
93	Report on the third EDNAP collaborative STR exercise. Forensic Science International, 1996, 78, 83-93.	1.3	29
94	Fast Cyclic Voltammetry in Brain Slices. , 1995, , 81-116.		6
95	Making the best of brain slices; comparing preparative methods. Journal of Neuroscience Methods, 1995, 59, 151-156.	1.3	109
96	Alteration of ethanol self-administration by naltrexone. Life Sciences, 1980, 26, 679-688.	2.0	377
97	Intragastric self-administration of psychoactive drugs by the rhesus monkey. Life Sciences, 1975, 17, 883-890.	2.0	51