Regina M Carelli

List of Publications by Year
in descending order

88 papers	9,746 citations	47006 47 h-index	54911 84 g-index
88 all docs	88 docs citations	88 times ranked	5885 citing authors

#	Article	IF	Citations
1	Noninvasive Brain Stimulation Rescues Cocaine-Induced Prefrontal Hypoactivity and Restores Flexible Behavior. Biological Psychiatry, 2021, 89, 1001-1011.	1.3	22
2	A sex-dependent role for the prelimbic cortex in impulsive action both before and following early cocaine abstinence. Neuropsychopharmacology, 2021, 46, 1565-1573.	5.4	4
3	An opposing role for prelimbic cortical projections to the nucleus accumbens core in incubation of craving for cocaine versus water. Drug and Alcohol Dependence, 2021, 228, 109033.	3.2	3
4	Nucleus accumbens shell dopamine mediates outcome value, but not predicted value, in a magnitude decisionâ€making task. European Journal of Neuroscience, 2020, 51, 1526-1538.	2.6	5
5	Activation of Infralimbic to Nucleus Accumbens Shell Pathway Suppresses Conditioned Aversion in Male But Not Female Rats. Journal of Neuroscience, 2020, 40, 6888-6895.	3.6	17
6	Alpha-tACS effect on inhibitory control and feasibility of administration in community outpatient substance use treatment. Drug and Alcohol Dependence, 2020, 213, 108132.	3.2	14
7	Prelimbic Cortical Neurons Track Preferred Reward Value and Reflect Impulsive Choice during Delay Discounting Behavior. Journal of Neuroscience, 2019, 39, 3108-3118.	3.6	25
8	Drugâ€induced dysphoria is enhanced following prolonged cocaine abstinence and dynamically tracked by nucleus accumbens neurons. Addiction Biology, 2019, 24, 631-640.	2.6	6
9	Low distress tolerance predicts heightened drug seeking and taking after extended abstinence from cocaine selfâ€administration. Addiction Biology, 2018, 23, 130-141.	2.6	6
10	Distinct Functional Microcircuits in theÂNucleus Accumbens Underlying Goal-Directed Decision-Making. , 2018, , 199-219.		5
11	A Neuronal Ensemble in the Rostral Agranular Insula Tracks Cocaine-Induced Devaluation of Natural Reward and Predicts Cocaine Seeking. Journal of Neuroscience, 2018, 38, 8463-8472.	3.6	25
12	Opposing Roles of Rapid Dopamine SignalingÂAcross the Rostralâ€“Caudal Axis ofÂtheÂNucleus Accumbens Shell in Drug-Induced Negative Affect. Biological Psychiatry, 2017, 82, 839-846.	1.3	16
13	Prior Cocaine Experience Impairs Normal Phasic Dopamine Signals of Reward Value in Accumbens Shell. Neuropsychopharmacology, 2017, 42, 766-773.	5.4	20
14	Nucleus Accumbens Shell Dopamine Preferentially Tracks Information Related to Outcome Value of Reward. ENeuro, 2017, 4, ENEURO.0058-17.2017.	1.9	27
15	Impulsive Rats Exhibit Blunted Dopamine Release Dynamics during a Delay Discounting Task Independent of Cocaine History. ENeuro, 2017, 4, ENEURO.0119-17.2017.	1.9	21
16	One month of cocaine abstinence potentiates rapid dopamine signaling in the nucleus accumbens core. Neuropharmacology, 2016, 111, 223-230.	4.1	14
17	Cue-Evoked Dopamine Release Rapidly Modulates D2 Neurons in the Nucleus Accumbens During Motivated Behavior. Journal of Neuroscience, 2016, 36, 6011-6021.	3.6	52
18	Nucleus Accumbens Core and Shell Differentially Encode Reward-Associated Cues after Reinforcer Devaluation. Journal of Neuroscience, 2016, 36, 1128-1139.	3.6	83

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19	Cocaine Self-Administration Experience Induces Pathological Phasic Accumbens Dopamine Signals and Abnormal Incentive Behaviors in Drug-Abstinent Rats. Journal of Neuroscience, 2016, 36, 235-250.	3.6	55
20	Phasic dopamine signals: from subjective reward value to formal economic utility. Current Opinion in Behavioral Sciences, 2015, 5, 147-154.	3.9	69
21	Examination of cocaine dose in a preclinical model of natural reward devaluation by cocaine. Behavioural Pharmacology, 2015, 26, 398-402.	1.7	10
22	Construction of Training Sets for Valid Calibration of in Vivo Cyclic Voltammetric Data by Principal Component Analysis. Analytical Chemistry, 2015, 87, 11484-11491.	6.5	49
23	Differential Dopamine Release Dynamics in the Nucleus Accumbens Core and Shell Reveal Complementary Signals for Error Prediction and Incentive Motivation. Journal of Neuroscience, 2015, 35, 11572-11582.	3.6	160
24	Mesolimbic Dopamine Dynamically Tracks, and Is Causally Linked to, Discrete Aspects of Value-Based Decision Making. Biological Psychiatry, 2015, 77, 903-911.	1.3	91
25	Nucleus accumbens core neurons encode value-independent associations necessary for sensory preconditioning.. Behavioral Neuroscience, 2014, 128, 567-578.	1.2	20
26	Prelimbic and infralimbic cortical regions differentially encode cocaineâ€associated stimuli and cocaineâ€seeking before and following abstinence. European Journal of Neuroscience, 2014, 39, 1891-1902.	2.6	56
27	Nucleus Accumbens Neurons Track Behavioral Preferences and Reward Outcomes During Risky Decision Making. Biological Psychiatry, 2014, 75, 807-816.	1.3	44
28	When a good taste turns bad: Neural mechanisms underlying the emergence of negative affect and associated natural reward devaluation by cocaine. Neuropharmacology, 2014, 76, 360-369.	4.1	46
29	Going for Broke: Dopamine Influences Risky Choice. Neuron, 2014, 84, 4-6.	8.1	0
30	Dynamics of rapid dopamine release in the nucleus accumbens during goal-directed behaviors for cocaine versus natural rewards. Neuropharmacology, 2014, 86, 319-328.	4.1	80
31	Cocaine Self-Administration Abolishes Associative Neural Encoding in the Nucleus Accumbens Necessary for Higher-Order Learning. Biological Psychiatry, 2014, 75, 156-164.	1.3	32
32	Rolling the Dice: The Importance of Mesolimbic Dopamine Signaling in Risky Decision Making. Neuropsychopharmacology, 2013, 38, 248-248.	5.4	5
33	Controlled Iontophoresis Coupled with Fast-Scan Cyclic Voltammetry/Electrophysiology in Awake, Freely Moving Animals. ACS Chemical Neuroscience, 2013, 4, 761-771.	3.5	42
34	Rapid dopamine dynamics in the accumbens core and shell Learning and action. Frontiers in Bioscience - Elite, 2013, E5, 273-288.	1.8	97
35	Differential dopamine release dynamics in the nucleus accumbens core and shell track distinct aspects of goal-directed behavior for sucrose. Neuropharmacology, 2012, 62, 2050-2056.	4.1	55
36	Phasic Nucleus Accumbens Dopamine Encodes Risk-Based Decision-Making Behavior. Biological Psychiatry, 2012, 71, 199-205.	1.3	116

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37	Catecholamines in the Bed Nucleus of the Stria Terminalis Reciprocally Respond to Reward and Aversion. Biological Psychiatry, 2012, 71, 327-334.	1.3	80
38	Cocaine abstinence alters nucleus accumbens firing dynamics during goalâ€directed behaviors for cocaine and sucrose. European Journal of Neuroscience, 2012, 35, 940-951.	2.6	42
39	Cocaine Cues Drive Opposing Context-Dependent Shifts in Reward Processing and Emotional State. Biological Psychiatry, 2011, 69, 1067-1074.	1.3	104
40	Nucleus accumbens neurons encode predicted and ongoing reward costs in rats. European Journal of Neuroscience, 2011, 33, 308-321.	2.6	87
41	Neural correlates of Pavlovianâ€toâ€instrumental transfer in the nucleus accumbens shell are selectively potentiated following cocaine selfâ€administration. European Journal of Neuroscience, 2011, 33, 2274-2287.	2.6	75
42	Rapid Dopamine Signaling Differentially Modulates Distinct Microcircuits within the Nucleus Accumbens during Sucrose-Directed Behavior. Journal of Neuroscience, 2011, 31, 13860-13869.	3.6	56
43	Hedonic and nucleus accumbens neural responses to a natural reward are regulated by aversive conditioning. Learning and Memory, 2010, 17, 539-546.	1.3	67
44	Basolateral Amygdala Modulates Terminal Dopamine Release in the Nucleus Accumbens and Conditioned Responding. Biological Psychiatry, 2010, 67, 737-744.	1.3	99
45	Phasic Nucleus Accumbens Dopamine Release Encodes Effort- and Delay-Related Costs. Biological Psychiatry, 2010, 68, 306-309.	1.3	136
46	Neural encoding of cocaineâ€seeking behavior is coincident with phasic dopamine release in the accumbens core and shell. European Journal of Neuroscience, 2009, 30, 1117-1127.	2.6	111
47	Dissecting motivational circuitry to understand substance abuse. Neuropharmacology, 2009, 56, 149-159.	4.1	68
48	Behavioral responding and nucleus accumbens cell firing are unaltered following periods of abstinence from sucrose. Synapse, 2008, 62, 219-228.	1.2	18
49	Real-time chemical responses in the nucleus accumbens differentiate rewarding and aversive stimuli. Nature Neuroscience, 2008, 11, 1376-1377.	14.8	538
50	Distinct subsets of nucleus accumbens neurons encode operant responding for ethanol versus water. European Journal of Neuroscience, 2008, 28, 1887-1894.	2.6	40
51	Behavioral and Electrophysiological Indices of Negative Affect Predict Cocaine Self-Administration. Neuron, 2008, 57, 774-785.	8.1	142
52	Methamphetamine Induces Chronic Corticostriatal Depression: Too Much of a Bad Thing. Neuron, 2008, 58, 6-7.	8.1	7
53	Cocaine but Not Natural Reward Self-Administration nor Passive Cocaine Infusion Produces Persistent LTP in the VTA. Neuron, 2008, 59, 288-297.	8.1	552
54	Preferential Enhancement of Dopamine Transmission within the Nucleus Accumbens Shell by Cocaine Is Attributable to a Direct Increase in Phasic Dopamine Release Events. Journal of Neuroscience, 2008, 28, 8821-8831.	3.6	450

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55	Cocaine-Associated Stimuli Increase Cocaine Seeking and Activate Accumbens Core Neurons after Abstinence. Journal of Neuroscience, 2007, 27, 3535-3539.	3.6	135
56	The Nucleus Accumbens and Pavlovian Reward Learning. Neuroscientist, 2007, 13, 148-159.	3.5	189
57	Coordinated Accumbal Dopamine Release and Neural Activity Drive Goal-Directed Behavior. Neuron, 2007, 54, 237-244.	8.1	184
58	Associative learning mediates dynamic shifts in dopamine signaling in the nucleus accumbens. Nature Neuroscience, 2007, 10, 1020-1028.	14.8	570
59	Dopamine release is heterogeneous within microenvironments of the rat nucleus accumbens. European Journal of Neuroscience, 2007, 26, 2046-2054.	2.6	155
60	The Neuroscience of Pleasure. Focus on â€œVentral Pallidum Firing Codes Hedonic Reward: When a Bad Taste Turns Goodâ€• Journal of Neurophysiology, 2006, 96, 2175-2176.	1.8	15
61	Anatomic distribution of reinforcer selective cell firing in the core and shell of the nucleus accumbens. Synapse, 2006, 59, 69-73.	1.2	17
62	Nucleus accumbens neurons encode Pavlovian approach behaviors: evidence from an autoshaping paradigm. European Journal of Neuroscience, 2006, 23, 1341-1351.	2.6	118
63	Dynamic neuroplasticity and the automation of motivated behavior. Learning and Memory, 2006, 13, 558-559.	1.3	4
64	Prefrontal cortical cell firing during maintenance, extinction, and reinstatement of goal-directed behavior for natural reward. Synapse, 2005, 56, 74-83.	1.2	43
65	Abstinence from Cocaine Self-Administration Heightens Neural Encoding of Goal-Directed Behaviors in the Accumbens. Neuropsychopharmacology, 2005, 30, 1464-1474.	5.4	80
66	Rapid Dopamine Signaling in the Nucleus Accumbens during Contingent and Noncontingent Cocaine Administration. Neuropsychopharmacology, 2005, 30, 853-863.	5.4	203
67	Simultaneous dopamine and single-unit recordings reveal accumbens GABAergic responses: Implications for intracranial self-stimulation. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 19150-19155.	7.1	124
68	Effects of the Competitive N-Methyl-d-aspartate Receptor Antagonist, LY235959 [(-)-6-Phosphonomethyl-deca-hydroisoquinoline-3-carboxylic Acid], on Responding for Cocaine under Both Fixed and Progressive Ratio Schedules of Reinforcement. Journal of Pharmacology and Experimental Therapeutics, 2005, 315, 449-457.	2.5	21
69	Nucleus Accumbens Neurons Are Innately Tuned for Rewarding and Aversive Taste Stimuli, Encode Their Predictors, and Are Linked to Motor Output. Neuron, 2005, 45, 587-597.	8.1	394
70	Extinction of Cocaine Self-Administration Reveals Functionally and Temporally Distinct Dopaminergic Signals in the Nucleus Accumbens. Neuron, 2005, 46, 661-669.	8.1	427
71	Functional microcircuitry in the accumbens underlying drug addiction: insights from real-time signaling during behavior. Current Opinion in Neurobiology, 2004, 14, 763-768.	4.2	91
72	Dopamine Operates as a Subsecond Modulator of Food Seeking. Journal of Neuroscience, 2004, 24, 1265-1271.	3.6	635

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73	Nucleus accumbens cell firing and rapid dopamine signaling during goal-directed behaviors in rats. Neuropharmacology, 2004, 47, 180-189.	4.1	81
74	Subsecond dopamine release promotes cocaine seeking. Nature, 2003, 422, 614-618.	27.8	1,020
75	Selective Encoding of Cocaine versus Natural Rewards by Nucleus Accumbens Neurons Is Not Related to Chronic Drug Exposure. Journal of Neuroscience, 2003, 23, 11214-11223.	3.6	97
76	Basolateral Amygdala Neurons Encode Cocaine Self-Administration and Cocaine-Associated Cues. Journal of Neuroscience, 2003, 23, 8204-8211.	3.6	76
77	The Nucleus Accumbens and Reward: Neurophysiological Investigations in Behaving Animals. Behavioral and Cognitive Neuroscience Reviews, 2002, 1, 281-296.	3.9	111
78	Nucleus accumbens cell firing during goal-directed behaviors for cocaine vs. â€˜naturalâ€™ reinforcement. Physiology and Behavior, 2002, 76, 379-387.	2.1	152
79	An examination of nucleus accumbens cell firing during extinction and reinstatement of water reinforcement behavior in rats. Brain Research, 2002, 929, 226-235.	2.2	25
80	Accumbens activity during a multiple schedule for water and sucrose reinforcement in rats. Synapse, 2002, 43, 223-226.	1.2	34
81	Selective activation of accumbens neurons by cocaine-associated stimuli during a water/cocaine multiple schedule. Brain Research, 2001, 907, 156-161.	2.2	58
82	Activation of accumbens cell firing by stimuli associated with cocaine delivery during self-administration. , 2000, 35, 238-242.		55
83	Nucleus accumbens cell firing during maintenance, extinction, and reinstatement of cocaine self-administration behavior in rats. Brain Research, 2000, 866, 44-54.	2.2	56
84	Evidence That Separate Neural Circuits in the Nucleus Accumbens Encode Cocaine Versus â€œNaturalâ€• (Water and Food) Reward. Journal of Neuroscience, 2000, 20, 4255-4266.	3.6	287
85	Examination of factors mediating the transition to behaviorally correlated nucleus accumbens cell firing during cocaine self-administration sessions in rats. Behavioural Brain Research, 1999, 104, 127-139.	2.2	20
86	Cellular Mechanisms Underlying Reinforcement-Related Processing in the Nucleus Accumbens: Electrophysiological Studies in Behaving Animals. Pharmacology Biochemistry and Behavior, 1997, 57, 495-504.	2.9	60
87	Dual factors controlling activity of nucleus accumbens cell-firing during cocaine self-administration. , 1996, 24, 308-311.		29
88	Firing patterns of nucleus accumbens neurons during cocaine self-administration in rats. Brain Research, 1993, 626, 14-22.	2.2	116