

Howard C Cromwell

List of Publications by Year in descending order

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72
papers

2,900
citations

257357

24
h-index

175177

52
g-index

76
all docs

76
docs citations

76
times ranked

2490
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Expectations for Different Reward Magnitudes on Neuronal Activity in Primate Striatum. <i>Journal of Neurophysiology</i> , 2003, 89, 2823-2838.	0.9	301
2	Influence of Expectation of Different Rewards on Behavior-Related Neuronal Activity in the Striatum. <i>Journal of Neurophysiology</i> , 2001, 85, 2477-2489.	0.9	222
3	Implementation of Action Sequences by a Neostriatal Site: A Lesion Mapping Study of Grooming Syntax. <i>Journal of Neuroscience</i> , 1996, 16, 3444-3458.	1.7	219
4	Where does damage lead to enhanced food aversion: the ventral pallidum/substantia innominata or lateral hypothalamus?. <i>Brain Research</i> , 1993, 624, 1-10.	1.1	193
5	Modulatory Actions of Dopamine on NMDA Receptor-Mediated Responses Are Reduced in D1A-Deficient Mutant Mice. <i>Journal of Neuroscience</i> , 1996, 16, 5870-5882.	1.7	158
6	Sensory Gating: A Translational Effort from Basic to Clinical Science. <i>Clinical EEG and Neuroscience</i> , 2008, 39, 69-72.	0.9	158
7	Neuromodulatory actions of dopamine on synaptically-evoked neostriatal responses in slices. <i>Synapse</i> , 1996, 24, 65-78.	0.6	150
8	Relative reward processing in primate striatum. <i>Experimental Brain Research</i> , 2005, 162, 520-525.	0.7	111
9	Behavioral reactions reflecting differential reward expectations in monkeys. <i>Experimental Brain Research</i> , 2001, 140, 511-518.	0.7	108
10	Rethinking the cognitive revolution from a neural perspective: How overuse/misuse of the term "cognition" and the neglect of affective controls in behavioral neuroscience could be delaying progress in understanding the BrainMind. <i>Neuroscience and Biobehavioral Reviews</i> , 2011, 35, 2026-2035.	2.9	99
11	Neuromodulatory actions of dopamine on synaptically-evoked neostriatal responses in slices. , 1996, 24, 60-64.		96
12	The effects of selective breeding for differential rates of 50kHz ultrasonic vocalizations on emotional behavior in rats. <i>Developmental Psychobiology</i> , 2009, 51, 34-46.	0.9	84
13	Wistar-Kyoto rats as an animal model of anxiety vulnerability: Support for a hypervigilance hypothesis. <i>Behavioural Brain Research</i> , 2009, 204, 162-168.	1.2	83
14	Action sequencing is impaired in D1A-deficient mutant mice. <i>European Journal of Neuroscience</i> , 1998, 10, 2426-2432.	1.2	75
15	Rats selectively bred for low levels of 50 kHz ultrasonic vocalizations exhibit alterations in early social motivation. <i>Developmental Psychobiology</i> , 2008, 50, 322-331.	0.9	58
16	Perinatal exposure to polychlorinated biphenyls alters social behaviors in rats. <i>Toxicology Letters</i> , 2010, 199, 136-143.	0.4	56
17	Electrophysiological and Morphological Analyses of Cortical Neurons Obtained from Children with Catastrophic Epilepsy: Dopamine Receptor Modulation of Glutamatergic Responses. <i>Developmental Neuroscience</i> , 1999, 21, 223-235.	1.0	42
18	Auditory inhibitory gating in medial prefrontal cortex: Single unit and local field potential analysis. <i>Neuroscience</i> , 2006, 141, 47-65.	1.1	42

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19	Motivational-sensorimotor interaction controls aphagia and exaggerated treading after striatopallidal lesions.. Behavioral Neuroscience, 1990, 104, 778-795.	0.6	36
20	Selective breeding for 50 kHz ultrasonic vocalization emission produces alterations in the ontogeny and regulation of rough-and-tumble play. Behavioural Brain Research, 2012, 229, 138-144.	1.2	36
21	Auditory inhibitory gating in the amygdala: Single-unit analysis in the behaving rat. Brain Research, 2005, 1043, 12-23.	1.1	34
22	Single unit and population responses during inhibitory gating of striatal activity in freely moving rats. Neuroscience, 2007, 146, 69-85.	1.1	29
23	Mapping the interconnected neural systems underlying motivation and emotion: A key step toward understanding the human affectome. Neuroscience and Biobehavioral Reviews, 2020, 113, 204-226.	2.9	28
24	Effects of polychlorinated biphenyls on maternal odor conditioning in rat pups. Physiology and Behavior, 2007, 91, 658-666.	1.0	27
25	Mapping of globus pallidus and ventral pallidum lesions that produce hyperkinetic treading. Brain Research, 1994, 668, 16-29.	1.1	26
26	Dopaminergic and Glutamatergic Interactions in the Expression of Self-Injurious Behavior. Developmental Neuroscience, 1998, 20, 180-187.	1.0	25
27	Cortical Damage Enhances Pemoline-Induced Self-Injurious Behavior in Prepubertal Rats. Pharmacology Biochemistry and Behavior, 1999, 62, 223-227.	1.3	25
28	Effect of the Noncompetitive NMDA Antagonists MK-801 and Ketamine on the <i>Spastic</i> Han-Wistar Mutant: A Rat Model of Excitotoxicity. Developmental Neuroscience, 2001, 23, 31-40.	1.0	24
29	Relative reward effects on operant behavior: Incentive contrast, induction and variety effects. Behavioural Processes, 2015, 116, 87-99.	0.5	24
30	Emotion and relative reward processing: An investigation on instrumental successive negative contrast and ultrasonic vocalizations in the rat. Behavioural Processes, 2014, 107, 167-174.	0.5	22
31	Inhibitory Gating of Single Unit Activity in Amygdala: Effects of Ketamine, Haloperidol, or Nicotine. Biological Psychiatry, 2007, 61, 880-889.	0.7	21
32	The effects of prenatal stress on motivation in the rat pup. Stress, 2009, 12, 250-258.	0.8	19
33	Pemoline Alters Dopamine Modulation of Synaptic Responses of Neostriatal Neurons in vitro. Developmental Neuroscience, 1997, 19, 497-504.	1.0	18
34	Influence of emotional states on inhibitory gating: Animals models to clinical neurophysiology. Behavioural Brain Research, 2015, 276, 67-75.	1.2	18
35	Motivational^sensorimotor interaction controls aphagia and exaggerated treading after striatopallidal lesions.. Behavioral Neuroscience, 1990, 104, 778-795.	0.6	18
36	Decortication decreases paired-pulse facilitation in the neostriatal slice of the rat. Neuroscience Letters, 1995, 192, 213-217.	1.0	17

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37	Neural encoding of choice during a delayed response task in primate striatum and orbitofrontal cortex. <i>Experimental Brain Research</i> , 2018, 236, 1679-1688.	0.7	16
38	Effects of restraint and haloperidol on sensory gating in the midbrain of awake rats. <i>Neuroscience</i> , 2007, 146, 515-524.	1.1	15
39	Fractionating choice: A study on reward discrimination, preference, and relative valuation in the rat (<i>Rattus norvegicus</i>). <i>Journal of Comparative Psychology (Washington, D C: 1983)</i> , 2016, 130, 174-186.	0.3	15
40	Striatal Activity and Reward Relativity: Neural Signals Encoding Dynamic Outcome Valuation. <i>ENeuro</i> , 2016, 3, ENEURO.0022-16.2016.	0.9	15
41	Reduction of prelimbic inhibitory gating of auditory evoked potentials after fear conditioning.. <i>Behavioral Neuroscience</i> , 2009, 123, 315-327.	0.6	13
42	Ultrasonic vocalizations, predictability and sensorimotor gating in the rat. <i>Behavioural Brain Research</i> , 2013, 253, 32-41.	1.2	12
43	Neocortical damage alters synaptic responses of neostriatal neurons in vitro. <i>Neuroscience</i> , 1996, 75, 361-372.	1.1	9
44	Effects of striatal lesions on components of choice: Reward discrimination, preference, and relative valuation. <i>Behavioural Brain Research</i> , 2016, 315, 130-140.	1.2	9
45	Rat pup social motivation: A critical component of early psychological development. <i>Neuroscience and Biobehavioral Reviews</i> , 2011, 35, 1284-1290.	2.9	8
46	Pemoline produces ipsilateral turning behavior in unilateral 6-OHDA-lesioned rats. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 1996, 20, 503-514.	2.5	7
47	Effects of anandamide administration on components of reward processing during free choice. <i>Pharmacology Biochemistry and Behavior</i> , 2017, 158, 14-21.	1.3	7
48	Effort-reward balance and work motivation in rats: Effects of context and order of experience. <i>Behavioural Processes</i> , 2020, 181, 104239.	0.5	7
49	Effects of polychlorinated biphenyl (PCB) exposure on response perseveration and ultrasonic vocalization emission in rat during development. <i>Endocrine Disruptors (Austin, Tex)</i> , 2014, 2, e969608.	1.1	6
50	Acetylcholine receptor activation enhances NMDA-mediated responses in the rat neostriatum. <i>Neurophysiologie Clinique</i> , 1999, 29, 482-489.	1.0	5
51	The Role of the Basal Ganglia in the Expression of Stereotyped, Self-Injurious Behaviors in Developmental Disorders. <i>International Review of Research in Mental Retardation</i> , 2004, 29, 119-158.	0.7	5
52	Polychlorinated biphenyl exposure alters oxytocin receptor gene expression and maternal behavior in rat model. <i>Endocrine Disruptors (Austin, Tex)</i> , 2015, 3, e979681.	1.1	5
53	A possible social relative reward effect: Influences of outcome inequity between rats during operant responding. <i>Behavioural Processes</i> , 2018, 157, 459-469.	0.5	5
54	Mapping the brain basis of feelings, emotions and much more: A special issue focused on "The Human Affectome"™. <i>Neuroscience and Biobehavioral Reviews</i> , 2022, 137, 104672.	2.9	5

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55	Haloperidol Decreases Hyperkinetic Paw Treading Induced by Globus Pallidus Lesions in the Rat. <i>Experimental Neurology</i> , 1997, 145, 288-294.	2.0	4
56	The effects of ethanol on diverse components of choice in the rat: reward discrimination, preference and relative valuation. <i>European Journal of Neuroscience</i> , 2017, 46, 1837-1849.	1.2	4
57	Exercise influences the impact of polychlorinated biphenyl exposure on immune function. <i>PLoS ONE</i> , 2020, 15, e0237705.	1.1	4
58	Striatal implementation of action sequences and more: grooming chains, inhibitory gating, and the relative reward effect. , 0, , 156-183.		3
59	An investigation of variety effects during operant responding in the rat utilizing different reward flavors. <i>Appetite</i> , 2019, 134, 50-58.	1.8	2
60	Where does damage lead to enhanced food aversion: the ventral pallidum/substantia innominata or lateral hypothalamus?. <i>Brain Research</i> , 1994, 642, 355.	1.1	1
61	Translating striatal activity from brain slice to whole animal neurophysiology: A guide for neuroscience research integrating diverse levels of analysis. <i>Journal of Neuroscience Research</i> , 2019, 97, 1528-1545.	1.3	1
62	Influence of Perinatal Polychlorinated Biphenyl or Thiouracil on Dopamine Function. <i>Toxicology and Environmental Health Sciences</i> , 2019, 11, 283-294.	1.1	1
63	Jaak Panksepp (1943â€“2017).. <i>American Psychologist</i> , 2018, 73, 202-202.	3.8	1
64	Characterizing the Neural Substrate of Reward with the Use of Specific Brain Lesions. <i>NeuroMethods</i> , 2021, , 51-74.	0.2	1
65	The Human Affectome Project: A dedication to Jaak Panksepp. <i>Neuroscience and Biobehavioral Reviews</i> , 2022, 138, 104693.	2.9	1
66	Emotional State and Motivation Interactions: Ultrasonic Vocalizations During Incentive Contrast and Free Choice Paradigms. <i>Handbook of Behavioral Neuroscience</i> , 2018, 25, 267-277.	0.7	0
67	Climbing with Mike. <i>Journal of Neuroscience Research</i> , 2019, 97, 1750-1750.	1.3	0
68	Exercise influences the impact of polychlorinated biphenyl exposure on immune function. , 2020, 15, e0237705.		0
69	Exercise influences the impact of polychlorinated biphenyl exposure on immune function. , 2020, 15, e0237705.		0
70	Exercise influences the impact of polychlorinated biphenyl exposure on immune function. , 2020, 15, e0237705.		0
71	Exercise influences the impact of polychlorinated biphenyl exposure on immune function. , 2020, 15, e0237705.		0
72	Sex differences in incentive contrast during game play: Contributions of personality and emotion. <i>Learning and Motivation</i> , 2022, 79, 101828.	0.6	0