Bruce T Hope

List of Publications by Year
in descending order

111 papers	13,319 citations	28190 55 h-index	28224 105 g-index
116 all docs	116 docs citations	116 times ranked	8898 citing authors

#	Article	IF	Citations
1	Waving Through the Window: A Model of Volitional Social Interaction in Female Mice. Biological Psychiatry, 2022, 91, 988-997.	0.7	21
2	Editorial: Activated Synapses. Frontiers in Synaptic Neuroscience, 2022, 14, 875904.	1.3	0
3	Fosâ€expressing neuronal ensemble in rat ventromedial prefrontal cortex encodes cocaine seeking but not food seeking in rats. Addiction Biology, 2021, 26, e12943.	1.4	25
4	Effects of Withdrawal from Cocaine Self-Administration on Rat Orbitofrontal Cortex Parvalbumin Neurons ExpressingCre recombinase: Sex-Dependent Changes in Neuronal Function and Unaltered Serotonin Signaling. ENeuro, 2021, 8, ENEURO.0017-21.2021.	0.9	9
5	Inactivation of the infralimbic cortex decreases discriminative stimulus-controlled relapse to cocaine seeking in rats. Neuropsychopharmacology, 2021, 46, 1969-1980.	2.8	15
6	Direct measurement of neuronal ensemble activity using photoacoustic imaging in the stimulated Fos-LacZ transgenic rat brain: A proof-of-principle study. Photoacoustics, 2021, 24, 100297.	4.4	16
7	Relapse-Associated Transient Synaptic Potentiation Requires Integrin-Mediated Activation of Focal Adhesion Kinase and Cofilin in D1-Expressing Neurons. Journal of Neuroscience, 2020, 40, 8463-8477.	1.7	16
8	Parametric investigation of social place preference in adolescent mice.. Behavioral Neuroscience, 2020, 134, 435-443.	0.6	19
9	Separate vmPFC Ensembles Control Cocaine Self-Administration Versus Extinction in Rats. Journal of Neuroscience, 2019, 39, 7394-7407.	1.7	61
10	Anti-relapse neurons in the infralimbic cortex of rats drive relapse-suppression by drug omission cues. Nature Communications, 2019, 10, 3934.	5.8	25
11	Neuron-Specific Genome Modification in the Adult Rat Brain Using CRISPR-Cas9 Transgenic Rats. Neuron, 2019, 102, 105-119.e8.	3.8	62
12	Fos-Expressing Neuronal Ensembles in Addiction Research. , 2019, , 75-88.		1
13	Ventral Pallidum Is the Primary Target for Accumbens D1 Projections Driving Cocaine Seeking. Journal of Neuroscience, 2019, 39, 2041-2051.	1.7	81
14	Prelimbic cortex is a common brain area activated during cueâ€induced reinstatement of cocaine and heroin seeking in a polydrug selfâ€administration rat model. European Journal of Neuroscience, 2019, 49, 165-178.	1.2	27
15	Discriminative stimuli are sufficient for incubation of cocaine craving. ELife, 2019, 8, .	2.8	23
16	Improved methods for marking active neuron populations. Nature Communications, 2018, 9, 4440.	5.8	110
17	Chasing the addicted engram: identifying functional alterations in Fos-expressing neuronal ensembles that mediate drug-related learned behavior. Learning and Memory, 2018, 25, 455-460.	0.5	30
18	Neurons Internalize Functionalized Micron-Sized Silicon Dioxide Microspheres. Cellular and Molecular Neurobiology, 2017, 37, 1487-1499.	1.7	4

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19	Cortical and amygdalar neuronal ensembles in alcohol seeking, drinking and withdrawal. Neuropharmacology, 2017, 122, 107-114.	2.0	29
20	Selective Inhibition of Amygdala Neuronal Ensembles Encoding Nicotine-Associated Memories Inhibits Nicotine Preference and Relapse. Biological Psychiatry, 2017, 82, 781-793.	0.7	46
21	Near-infrared fluorescent protein iRFP713 as a reporter protein for optogenetic vectors, a transgenic Cre-reporter rat, and other neuronal studies. Journal of Neuroscience Methods, 2017, 284, 1-14.	1.3	21
22	Role of Dorsomedial Striatum Neuronal Ensembles in Incubation of Methamphetamine Craving after Voluntary Abstinence. Journal of Neuroscience, 2017, 37, 1014-1027.	1.7	121
23	Bidirectional Modulation of Intrinsic Excitability in Rat Prelimbic Cortex Neuronal Ensembles and Non-Ensembles after Operant Learning. Journal of Neuroscience, 2017, 37, 8845-8856.	1.7	41
24	Mechanistic Resolution Required to Mediate Operant Learned Behaviors: Insights from Neuronal Ensemble-Specific Inactivation. Frontiers in Neural Circuits, 2017, 11, 28.	1.4	13
25	Role of Dorsomedial Striatum Neuronal Ensembles in Incubation of Methamphetamine Craving after Voluntary Abstinence. Journal of Neuroscience, 2017, 37, 1014-1027.	1.7	23
26	Distinct memory engrams in the infralimbic cortex of rats control opposing environmental actions on a learned behavior. ELife, 2016, 5, .	2.8	46
27	Amylin receptor components and the leptin receptor are coâ€expressed in single rat area postrema neurons. European Journal of Neuroscience, 2016, 43, 653-661.	1.2	49
28	Recruitment of a Neuronal Ensemble in the Central Nucleus of the Amygdala Is Required for Alcohol Dependence. Journal of Neuroscience, 2016, 36, 9446-9453.	1.7	96
29	Daun02 Inactivation of Behaviorally Activated Fosâ€Expressing Neuronal Ensembles. Current Protocols in Neuroscience, 2016, 76, 8.36.1-8.36.17.	2.6	21
30	Role of Central Amygdala Neuronal Ensembles in Incubation of Nicotine Craving. Journal of Neuroscience, 2016, 36, 8612-8623.	1.7	77
31	Fluorescence Activated Cell Sorting (FACS) and Gene Expression Analysis of Fos-expressing Neurons from Fresh and Frozen Rat Brain Tissue. Journal of Visualized Experiments, 2016, , .	0.2	18
32	Distinct Fos-Expressing Neuronal Ensembles in the Ventromedial Prefrontal Cortex Mediate Food Reward and Extinction Memories. Journal of Neuroscience, 2016, 36, 6691-6703.	1.7	99
33	Behavioral and Physiological Effects of a Novel Kappa-Opioid Receptor-Based DREADD in Rats. Neuropsychopharmacology, 2016, 41, 402-409.	2.8	56
34	Role of Ventral Subiculum in Context-Induced Relapse to Alcohol Seeking after Punishment-Imposed Abstinence. Journal of Neuroscience, 2016, 36, 3281-3294.	1.7	103
35	Associative Learning Drives the Formation of Silent Synapses in Neuronal Ensembles of the Nucleus Accumbens. Biological Psychiatry, 2016, 80, 246-256.	0.7	35
36	Correction: Leao et al., Chronic Nicotine Activates Stress/Reward-Related Brain Regions and Facilitates the Transition to Compulsive Alcohol Drinking. Journal of Neuroscience, 2015, 35, 11169-11169.	1.7	0

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37	Incubation of Methamphetamine Craving Is Associated with Selective Increases in Expression ofBdnfandTrkb, Glutamate Receptors, and Epigenetic Enzymes in Cue-Activated Fos-Expressing Dorsal Striatal Neurons. Journal of Neuroscience, 2015, 35, 8232-8244.	1.7	115
38	Losing Control: Excessive Alcohol Seeking after Selective Inactivation of Cue-Responsive Neurons in the Infralimbic Cortex. Journal of Neuroscience, 2015, 35, 10750-10761.	1.7	118
39	Context-Induced Reinstatement of Methamphetamine Seeking Is Associated with Unique Molecular Alterations in Fos-Expressing Dorsolateral Striatum Neurons. Journal of Neuroscience, 2015, 35, 5625-5639.	1.7	76
40	Chronic Nicotine Activates Stress/Reward-Related Brain Regions and Facilitates the Transition to Compulsive Alcohol Drinking. Journal of Neuroscience, 2015, 35, 6241-6253.	1.7	67
41	Using c-fos to study neuronal ensembles in corticostriatal circuitry of addiction. Brain Research, 2015, 1628, 157-173.	1.1	128
42	Detection of molecular alterations in methamphetamineâ€activated Fosâ€expressing neurons from a single rat dorsal striatum using fluorescenceâ€activated cell sorting (<scp>FACS</scp>). Journal of Neurochemistry, 2014, 128, 173-185.	2.1	48
43	Role of Nucleus Accumbens Shell Neuronal Ensembles in Context-Induced Reinstatement of Cocaine-Seeking. Journal of Neuroscience, 2014, 34, 7437-7446.	1.7	130
44	New technologies for examining the role of neuronal ensembles in drug addiction and fear. Nature Reviews Neuroscience, 2013, 14, 743-754.	4.9	215
45	Unique gene alterations are induced in <scp>FACS</scp>â€purified Fosâ€positive neurons activated during cueâ€induced relapse to heroin seeking. Journal of Neurochemistry, 2013, 124, 100-108.	2.1	42
46	Optogenetic Inhibition of Dorsal Medial Prefrontal Cortex Attenuates Stress-Induced Reinstatement of Palatable Food Seeking in Female Rats. Journal of Neuroscience, 2013, 33, 214-226.	1.7	64
47	Exploring the epigenetics of cocaine resistance. Nature Medicine, 2013, 19, 136-137.	15.2	3
48	Silent synapses in selectively activated nucleus accumbens neurons following cocaine sensitization. Nature Neuroscience, 2012, 15, 1556-1562.	7.1	85
49	Role of Orbitofrontal Cortex Neuronal Ensembles in the Expression of Incubation of Heroin Craving. Journal of Neuroscience, 2012, 32, 11600-11609.	1.7	116
50	Medial Prefrontal Cortex Neuronal Activation and Synaptic Alterations after Stress-Induced Reinstatement of Palatable Food Seeking: A Study Using c-fos-GFP Transgenic Female Rats. Journal of Neuroscience, 2012, 32, 8480-8490.	1.7	60
51	Association of time-dependent changes in mu opioid receptor mRNA, but not BDNF, TrkB, or MeCP2 mRNA and protein expression in the rat nucleus accumbens with incubation of heroin craving. Psychopharmacology, 2012, 224, 559-571.	1.5	44
52	FACS purification of immunolabeled cell types from adult rat brain. Journal of Neuroscience Methods, 2012, 203, 10-18.	1.3	119
53	Cocaine and Synaptic Alterations in the Nucleus Accumbens. Biological Psychiatry, 2011, 69, 1013-1014.	0.7	6
54	Neurobiology of the incubation of drug craving. Trends in Neurosciences, 2011, 34, 411-420.	4.2	555

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55	Ventral medial prefrontal cortex neuronal ensembles mediate context-induced relapse to heroin. Nature Neuroscience, 2011, 14, 420-422.	7.1	258
56	FACS Identifies Unique Cocaine-Induced Gene Regulation in Selectively Activated Adult Striatal Neurons. Journal of Neuroscience, 2011, 31, 4251-4259.	1.7	81
57	Bromocriptine Administration Reduces Hyperphagia and Adiposity and Differentially Affects Dopamine D2 Receptor and Transporter Binding in Leptin-Receptor-Deficient Zucker Rats and Rats with Diet-Induced Obesity. Neuroendocrinology, 2009, 89, 152-162.	1.2	72
58	Targeted disruption of cocaine-activated nucleus accumbens neurons prevents context-specific sensitization. Nature Neuroscience, 2009, 12, 1069-1073.	7.1	230
59	Contextâ€specific modulation of cocaineâ€induced locomotor sensitization and ERK and CREB phosphorylation in the rat nucleus accumbens. European Journal of Neuroscience, 2009, 30, 1931-1940.	1.2	43
60	Role of ventral medial prefrontal cortex in incubation of cocaine craving. Neuropharmacology, 2009, 56, 177-185.	2.0	207
61	Contextâ€specific sensitization of cocaineâ€induced locomotor activity and associated neuronal ensembles in rat nucleus accumbens. European Journal of Neuroscience, 2008, 27, 202-212.	1.2	59
62	Functional Expression of Brain Neuronal CB2 Cannabinoid Receptors Are Involved in the Effects of Drugs of Abuse and in Depression. Annals of the New York Academy of Sciences, 2008, 1139, 434-449.	1.8	171
63	Brain Neuronal CB2 Cannabinoid Receptors in Drug Abuse and Depression: From Mice to Human Subjects. PLoS ONE, 2008, 3, e1640.	1.1	231
64	Long-Term Upregulation of Protein Kinase A and Adenylate Cyclase Levels in Human Smokers. Journal of Neuroscience, 2007, 27, 1964-1972.	1.7	30
65	Heteromeric Nicotinic Acetylcholineâ€“Dopamine Autoreceptor Complexes Modulate Striatal Dopamine Release. Neuropsychopharmacology, 2007, 32, 35-42.	2.8	63
66	Repeated amphetamine administration outside the home cage enhances drug-induced Fos expression in rat nucleus accumbens. Behavioural Brain Research, 2007, 185, 88-98.	1.2	20
67	Striatal Adenosine A2A and Cannabinoid CB1 Receptors Form Functional Heteromeric Complexes that Mediate the Motor Effects of Cannabinoids. Neuropsychopharmacology, 2007, 32, 2249-2259.	2.8	229
68	Tolerance to opiate reward: role of midbrain IRS2-Akt pathway. Nature Neuroscience, 2007, 10, 9-10.	7.1	7
69	Methods to Study the Behavioral Effects and Expression of CB₂ Cannabinoid Receptor and Its Gene Transcripts in the Chronic Mild Stress Model of Depression. , 2006, 123, 291-298.		34
70	Role of ERK in cocaine addiction. Trends in Neurosciences, 2006, 29, 695-703.	4.2	244
71	Cocaineâ€induced locomotor activity and Fos expression in nucleus accumbens are sensitized for 6â€ƒmonths after repeated cocaine administration outside the home cage. European Journal of Neuroscience, 2006, 24, 867-875.	1.2	60
72	Discovery of the Presence and Functional Expression of Cannabinoid CB2 Receptors in Brain. Annals of the New York Academy of Sciences, 2006, 1074, 514-536.	1.8	457

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73	Stimulation of Adenosine Receptors Selectively Activates Gene Expression in Striatal Enkephalinergic Neurons. Neuropsychopharmacology, 2006, 31, 2173-2179.	2.8	21
74	Blockade of Adenosine A2A Receptors Prevents Protein Phosphorylation in the Striatum Induced by Cortical Stimulation. Journal of Neuroscience, 2006, 26, 10808-10812.	1.7	25
75	Neuroadaptations of total levels of adenylate cyclase, protein kinase A, tyrosine hydroxylase, cdk5 and neurofilaments in the nucleus accumbens and ventral tegmental area do not correlate with expression of sensitized or tolerant locomotor responses to cocaine. Journal of Neurochemistry, 2005, 92, 536-545.	2.1	38
76	Differential long-term neuroadaptations of glutamate receptors in the basolateral and central amygdala after withdrawal from cocaine self-administration in rats. Journal of Neurochemistry, 2005, 94, 161-168.	2.1	58
77	Cocaine-induced CREB phosphorylation in nucleus accumbens of cocaine-sensitized rats is enabled by enhanced activation of extracellular signal-related kinase, but not protein kinase A. Journal of Neurochemistry, 2005, 95, 1481-1494.	2.1	123
78	The role of neuroadaptations in relapse to drug seeking. Nature Neuroscience, 2005, 8, 1437-1439.	7.1	132
79	Central amygdala ERK signaling pathway is criticalÂto incubation of cocaine craving. Nature Neuroscience, 2005, 8, 212-219.	7.1	412
80	ROLE OF ADENOSINE IN THE CONTROL OF HOMOSYNAPTIC PLASTICITY IN STRIATAL EXCITATORY SYNAPSES. Journal of Integrative Neuroscience, 2005, 04, 445-464.	0.8	45
81	Repeated Quinpirole Treatment Increases cAMP-Dependent Protein Kinase Activity and CREB Phosphorylation in Nucleus Accumbens and Reverses Quinpirole-Induced Sensorimotor Gating Deficits in Rats. Neuropsychopharmacology, 2004, 29, 1823-1830.	2.8	32
82	Identification of tyrosine hydroxylase as a physiological substrate for Cdk5. Journal of Neurochemistry, 2004, 91, 374-384.	2.1	50
83	The cystineâ€“glutamate transporter in the accumbens: a novel role in cocaine relapse. Trends in Neurosciences, 2004, 27, 74-76.	4.2	10
84	Incubation of cocaine craving after withdrawal: a review of preclinical data. Neuropharmacology, 2004, 47, 214-226.	2.0	389
85	Cocaine-induced Fos expression in rat striatum is blocked by chloral hydrate or urethane. Neuroscience, 2004, 127, 233-242.	1.1	40
86	Molecular neuroadaptations in the accumbens and ventral tegmental area during the first 90â€ƒdays of forced abstinence from cocaine self-administration in rats. Journal of Neurochemistry, 2003, 85, 1604-1613.	2.1	221
87	Enabling role of adenosine A1 receptors in adenosine A2A receptor-mediated striatal expression of c-fos. European Journal of Neuroscience, 2003, 18, 296-302.	1.2	45
88	Esophageal distention induced c-Fos expression in the spinal cord and the nucleus of the solitary tract in the rat. Gastroenterology, 2003, 124, A254.	0.6	0
89	Mitogen-Activated Protein Kinase Regulates Dopamine Transporter Surface Expression and Dopamine Transport Capacity. Journal of Neuroscience, 2003, 23, 8480-8488.	1.7	239
90	Time-Dependent Increases in Brain-Derived Neurotrophic Factor Protein Levels within the Mesolimbic Dopamine System after Withdrawal from Cocaine: Implications for Incubation of Cocaine Craving. Journal of Neuroscience, 2003, 23, 742-747.	1.7	496

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91	Synergistic interaction between adenosine A2A and glutamate mGlu5 receptors: Implications for striatal neuronal function. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 11940-11945.	3.3	345
92	Effect of cocaine and sucrose withdrawal period on extinction behavior, cue-induced reinstatement, and protein levels of the dopamine transporter and tyrosine hydroxylase in limbic and cortical areas in rats. Behavioural Pharmacology, 2002, 13, 379-388.	0.8	114
93	Locomotor sensitization to cocaine is associated with increased Fos expression in the accumbens, but not in the caudate. Behavioural Brain Research, 2002, 136, 455-462.	1.2	70
94	Dopamine Uptake through the Norepinephrine Transporter in Brain Regions with Low Levels of the Dopamine Transporter: Evidence from Knock-Out Mouse Lines. Journal of Neuroscience, 2002, 22, 389-395.	1.7	557
95	Acute administration of cocaine regulates the phosphorylation of serine-19, -31 and -40 in tyrosine hydroxylase. Journal of Neurochemistry, 2002, 82, 382-388.	2.1	26
96	Time-dependent changes in extinction behavior and stress-induced reinstatement of drug seeking following withdrawal from heroin in rats. Psychopharmacology, 2001, 156, 98-107.	1.5	259
97	Incubation of cocaine craving after withdrawal. Nature, 2001, 412, 141-142.	13.7	930
98	Kappa-opioid receptor activation prevents alterations in mesocortical dopamine neurotransmission that occur during abstinence from cocaine. Neuroscience, 2000, 101, 619-627.	1.1	58
99	Cocaine and a Mechanism for Long-Term Changes in Gene Expression. , 1999, , 213-222.		0
100	Cocaine and the AP-1 Transcription Factor Complex. Annals of the New York Academy of Sciences, 1998, 844, 1-6.	1.8	42
101	Involvement of cAMP-Dependent Protein Kinase in the Nucleus Accumbens in Cocaine Self-Administration and Relapse of Cocaine-Seeking Behavior. Journal of Neuroscience, 1998, 18, 1848-1859.	1.7	304
102	Chronic Fos-Related Antigens: Stable Variants of Î”FosB Induced in Brain by Chronic Treatments. Journal of Neuroscience, 1997, 17, 4933-4941.	1.7	293
103	Novel Transcription Factors Are Induced by Chronic Cocaine Treatment. Annals of the New York Academy of Sciences, 1996, 801, 1-12.	1.8	9
104	Chronic Alterations in Dopaminergic Neurotransmission Produce a Persistent Elevation of Î”FosB-like Protein(s) in both the Rodent and Primate Striatum. European Journal of Neuroscience, 1996, 8, 365-381.	1.2	178
105	Induction of a long-lasting AP-1 complex composed of altered Fos-like proteins in brain by chronic cocaine and other chronic treatments. Neuron, 1994, 13, 1235-1244.	3.8	535
106	Drug addiction: A model for the molecular basis of neural plasticity. Neuron, 1993, 11, 995-1006.	3.8	531
107	Neurons that say NO. Trends in Neurosciences, 1992, 15, 108-113.	4.2	402
108	Citrulline in the rat brain: Immunohistochemistry and coexistence with NADPH-diaphorase. Neuroscience Letters, 1991, 128, 155-160.	1.0	93

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109	Induction of the c-fos proto-oncogene in rat amygdala during unconditioned and conditioned fear. Brain Research, 1991, 565, 349-352.	1.1	217
110	G protine mRNA expression in immunohistochemically identified dopaminergic and noradrenergic neurons in the rat brain. Synapse, 1990, 6, 23-32.	0.6	13
111	Tyrosine hydroxylase containing neurons lacking aromatic amino acid decarboxylase in the hamster brain. Journal of Comparative Neurology, 1990, 295, 290-298.	0.9	35