Stephanie L Borgland

List of Publications by Year
in descending order

75 papers	5,277 citations	109321 35 h-index	88630 70 g-index
81 all docs	81 docs citations	81 times ranked	5276 citing authors

#	Article	IF	Citations
1	Orexin A in the VTA Is Critical for the Induction of Synaptic Plasticity and Behavioral Sensitization to Cocaine. Neuron, 2006, 49, 589-601.	8.1	651
2	Acute and Chronic Cocaine-Induced Potentiation of Synaptic Strength in the Ventral Tegmental Area: Electrophysiological and Behavioral Correlates in Individual Rats. Journal of Neuroscience, 2004, 24, 7482-7490.	3.6	523
3	Orexin A/Hypocretin-1 Selectively Promotes Motivation for Positive Reinforcers. Journal of Neuroscience, 2009, 29, 11215-11225.	3.6	322
4	Inhibition of orexin-1/hypocretin-1 receptors inhibits yohimbine-induced reinstatement of ethanol and sucrose seeking in Longâ€“Evans rats. Psychopharmacology, 2008, 199, 109-117.	3.1	214
5	Hypocretin (orexin) facilitates reward by attenuating the antireward effects of its cotransmitter dynorphin in ventral tegmental area. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E1648-55.	7.1	208
6	Insulin induces long-term depression of ventral tegmental area dopamine neurons via endocannabinoids. Nature Neuroscience, 2013, 16, 300-308.	14.8	203
7	Insulin in the ventral tegmental area reduces hedonic feeding and suppresses dopamine concentration via increased reuptake. European Journal of Neuroscience, 2012, 36, 2336-2346.	2.6	173
8	Orexin/hypocretin role in reward: implications for opioid and other addictions. British Journal of Pharmacology, 2015, 172, 334-348.	5.4	149
9	Opioid Agonists Have Different Efficacy Profiles for G Protein Activation, Rapid Desensitization, and Endocytosis of Mu-opioid Receptors. Journal of Biological Chemistry, 2003, 278, 18776-18784.	3.4	142
10	Adenovirus Vector-Induced Expression of the C-X-C Chemokine IP-10 Is Mediated through Capsid-Dependent Activation of NF-Î²B. Journal of Virology, 2000, 74, 3941-3947.	3.4	134
11	Blocking microglial pannexin-1 channels alleviates morphine withdrawal in rodents. Nature Medicine, 2017, 23, 355-360.	30.7	130
12	Orexin B/hypocretin 2 increases glutamatergic transmission to ventral tegmental area neurons. European Journal of Neuroscience, 2008, 28, 1545-1556.	2.6	129
13	Palmitoylation of Î´-catenin by DHHC5 mediates activity-induced synapse plasticity. Nature Neuroscience, 2014, 17, 522-532.	14.8	110
14	Projection-Target-Defined Effects of Orexin and Dynorphin on VTA Dopamine Neurons. Cell Reports, 2017, 18, 1346-1355.	6.4	107
15	A role for hypocretin/orexin in motivation. Behavioural Brain Research, 2011, 217, 446-453.	2.2	98
16	Adenovirus Vector-Induced Inflammation: Capsid-Dependent Induction of the C-C Chemokine RANTES Requires NF-Î²B. Human Gene Therapy, 2002, 13, 367-379.	2.7	92
17	Acute Opioid Receptor Desensitization And Tolerance: Is There A Link?. Clinical and Experimental Pharmacology and Physiology, 2001, 28, 147-154.	1.9	91
18	Acute cocaine exposure alters spine density and longâ€term potentiation in the ventral tegmental area. European Journal of Neuroscience, 2007, 26, 749-756.	2.6	87

#	Article	IF	Citations
19	Addiction and Arousal: Alternative Roles of Hypothalamic Peptides. Journal of Neuroscience, 2006, 26, 10372-10375.	3.6	86
20	Nociceptin inhibits calcium channel currents in a subpopulation of small nociceptive trigeminal ganglion neurons in mouse. Journal of Physiology, 2001, 536, 35-47.	2.9	79
21	Regulation of the mesolimbic dopamine circuit by feeding peptides. Neuroscience, 2015, 289, 19-42.	2.3	79
22	Endocannabinoid modulation of homeostatic and non-homeostatic feeding circuits. Neuropharmacology, 2017, 124, 38-51.	4.1	79
23	Ethanol Alters Trafficking and Functional N-Methyl-D-aspartate Receptor NR2 Subunit Ratio via H-Ras. Journal of Biological Chemistry, 2005, 280, 31450-31459.	3.4	70
24	Convergent actions of orexin/hypocretin and CRF on dopamine neurons: Emerging players in addiction. Brain Research, 2010, 1314, 139-144.	2.2	68
25	GABA_B modulation of dopamine release in the nucleus accumbens core. European Journal of Neuroscience, 2014, 40, 3472-3480.	2.6	63
26	Role of orexin/hypocretin and CRF in the formation of drug-dependent synaptic plasticity in the mesolimbic system. Neuropharmacology, 2009, 56, 107-111.	4.1	61
27	Consumption of palatable food primes food approach behavior by rapidly increasing synaptic density in the VTA. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2520-2525.	7.1	60
28	Orexin Signaling in the VTA Gates Morphine-Induced Synaptic Plasticity. Journal of Neuroscience, 2015, 35, 7295-7303.	3.6	59
29	Presynaptic Leptin Action Suppresses Excitatory Synaptic Transmission onto Ventral Tegmental Area Dopamine Neurons. Biological Psychiatry, 2013, 73, 860-868.	1.3	55
30	Maternal low-dose aspartame and stevia consumption with an obesogenic diet alters metabolism, gut microbiota and mesolimbic reward system in rat dams and their offspring. Gut, 2020, 69, 1807-1817.	12.1	55
31	The orbitofrontal cortex, food intake and obesity. Journal of Psychiatry and Neuroscience, 2020, 45, 304-312.	2.4	52
32	Mesolimbic dopamine and its neuromodulators in obesity and binge eating. CNS Spectrums, 2015, 20, 574-583.	1.2	50
33	Local hypocretin-1 modulates terminal dopamine concentration in the nucleus accumbens shell. Frontiers in Behavioral Neuroscience, 2012, 6, 82.	2.0	49
34	Low-Dose Stevia (Rebaudioside A) Consumption Perturbs Gut Microbiota and the Mesolimbic Dopamine Reward System. Nutrients, 2019, 11, 1248.	4.1	49
35	Dopamine Inputs from the Ventral Tegmental Area into the Medial Prefrontal Cortex Modulate Neuropathic Pain-Associated Behaviors in Mice. Cell Reports, 2020, 31, 107812.	6.4	47
36	Continued morphine modulation of calcium channel currents in acutely isolated locus coeruleus neurons from morphine-dependent rats. British Journal of Pharmacology, 1999, 128, 1561-1569.	5.4	38

#	Article	IF	Citations
37	Obesity-Induced Structural and Neuronal Plasticity in the Lateral Orbitofrontal Cortex. Neuropsychopharmacology, 2017, 42, 1480-1490.	5.4	38
38	Prostaglandin E2inhibits calcium current in two subâ€populations of acutely isolated mouse trigeminal sensory neurons. Journal of Physiology, 2002, 539, 433-444.	2.9	35
39	Role for fatty acid amide hydrolase (FAAH) in the leptin-mediated effects on feeding and energy balance. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7605-7610.	7.1	35
40	Hypocretin modulation of drug-induced synaptic plasticity. Progress in Brain Research, 2012, 198, 123-131.	1.4	34
41	Food for Thought: Hormonal, Experiential, and Neural Influences on Feeding and Obesity. Journal of Neuroscience, 2013, 33, 17610-17616.	3.6	32
42	Insulin in the ventral tegmental area reduces cocaineâ€evoked dopamine in the nucleus accumbens inÂvivo. European Journal of Neuroscience, 2019, 50, 2146-2155.	2.6	30
43	Cadherins mediate cocaine-induced synaptic plasticity and behavioral conditioning. Nature Neuroscience, 2017, 20, 540-549.	14.8	29
44	Insulin actions in the mesolimbic dopamine system. Experimental Neurology, 2019, 320, 113006.	4.1	26
45	Peripheral nerve injury-induced alterations in VTA neuron firing properties. Molecular Brain, 2019, 12, 89.	2.6	26
46	Emerging, reemerging, and forgotten brain areas of the reward circuit: Notes from the 2010 Motivational Neural Networks conference. Behavioural Brain Research, 2011, 225, 348-357.	2.2	25
47	Diversity in the lateral hypothalamic input to the ventral tegmental area. Neuropharmacology, 2019, 154, 4-12.	4.1	22
48	Optogenetic stimulation of lateral hypothalamic orexin/dynorphin inputs in the ventral tegmental area potentiates mesolimbic dopamine neurotransmission and promotes reward-seeking behaviours. Neuropsychopharmacology, 2022, 47, 728-740.	5.4	22
49	Orexin/hypocretin in psychiatric disorders: present state of knowledge and future potential. Neuropsychopharmacology, 2010, 35, 353-354.	5.4	21
50	Dopaminergic modulation of pain signals in the medial prefrontal cortex: Challenges and perspectives. Neuroscience Letters, 2019, 702, 71-76.	2.1	20
51	Obesity-induced astrocyte dysfunction impairs heterosynaptic plasticity in the orbitofrontal cortex. Cell Reports, 2021, 36, 109563.	6.4	20
52	Corticosterone Attenuates Reward-Seeking Behavior and Increases Anxiety via D2 Receptor Signaling in Ventral Tegmental Area Dopamine Neurons. Journal of Neuroscience, 2021, 41, 1566-1581.	3.6	20
53	Changes in mu-opioid receptor expression and function in the mesolimbic system after long-term access to a palatable diet. , 2015, 154, 110-119.		18
54	Mu-Opioids Suppress GABAergic Synaptic Transmission onto Orbitofrontal Cortex Pyramidal Neurons with Subregional Selectivity. Journal of Neuroscience, 2020, 40, 5894-5907.	3.6	17

#	Article	IF	Citations
55	Sustained Nâ€methylâ€<scp>d</scp>â€aspartate receptor hypofunction remodels the dopamine system and impairs phasic signaling. European Journal of Neuroscience, 2014, 40, 2255-2263.	2.6	15
56	Age-Dependent D1â€“D2 Receptor Coactivation in the Lateral Orbitofrontal Cortex Potentiates NMDA Receptors and Facilitates Cognitive Flexibility. Cerebral Cortex, 2016, 26, 4524-4539.	2.9	13
57	Hypocretin/Orexin and Plastic Adaptations Associated with Drug Abuse. Current Topics in Behavioral Neurosciences, 2016, 33, 283-304.	1.7	12
58	Opioid and hypocretin neuromodulation of ventral tegmental area neuronal subpopulations. British Journal of Pharmacology, 2018, 175, 2825-2833.	5.4	12
59	Insulin and endocannabinoids in the mesolimbic system. Journal of Neuroendocrinology, 2021, 33, e12965.	2.6	12
60	Cellular and behavioral basis of cannabinioid and opioid interactions: Implications for opioid dependence and withdrawal. Journal of Neuroscience Research, 2022, 100, 278-296.	2.9	12
61	Identification of a Potent Human Trace Amine-Associated Receptor 1 Antagonist. ACS Chemical Neuroscience, 2022, 13, 1082-1095.	3.5	11
62	Sex differences in the effect of acute fasting on excitatory and inhibitory synapses onto ventral tegmental area dopamine neurons. Journal of Physiology, 2020, 598, 5523-5539.	2.9	10
63	Cocaine and Nicotine Research Illustrates a Range of Hypocretin Mechanisms in Addiction. Vitamins and Hormones, 2012, 89, 291-313.	1.7	8
64	Behavioral Effects of a Potential Novel TAAR1 Antagonist. Frontiers in Pharmacology, 2018, 9, 953.	3.5	8
65	Effects of propentofylline on adenosine receptor activity in Chinese hamster ovary cell lines transfected with human A1, A2A, or A2B receptors and a luciferase reporter gene. Canadian Journal of Physiology and Pharmacology, 1998, 76, 1132-1138.	1.4	6
66	Can treatment of obesity reduce depression or vice versa?. Journal of Psychiatry and Neuroscience, 2021, 46, E313-E318.	2.4	6
67	Effect of adenosine receptor agonists on release of the nucleoside analogue [3H]formycin B from cultured smooth muscle DDT1 MF-2 cells. European Journal of Pharmacology, 1998, 346, 339-344.	3.5	3
68	Isovaline Does Not Activate GABAB Receptor-Coupled Potassium Currents in GABAB Expressing AtT-20 Cells and Cultured Rat Hippocampal Neurons. PLoS ONE, 2015, 10, e0118497.	2.5	3
69	Releasing the brake on eating. Science, 2019, 364, 1233-1234.	12.6	2
70	Hypothalamic control of homeostasis. Neuropharmacology, 2019, 154, 1-3.	4.1	2
71	Effects of propentofylline on adenosine receptor activity in Chinese hamster ovary cell lines transfected with human A₁, A_{2A}, or A_{2B} receptors and a luciferase reporter gene. Canadian Journal of Physiology and Pharmacology, 1998, 76, 1132-1138.	1.4	2
72	Activation of LH GABAergic inputs counteracts fastingâ€induced changes in tVTA/RMTG neurons. Journal of Physiology, 2022, 600, 2203-2224.	2.9	2

#	Article	IF	Citations
73	Effects of Orexin/Hypocretin on Ventral Tegmental Area Dopamine Neurons: An Emerging Role in Addiction. , 2011, , 241-251.		0
74	Orexin/hypocretin in the Ventral Tegmental Area is Necessary for Morphine-Induced Synaptic Plasticity of Dopamine Neurons. , 2014, , 240-241.		0
75	Insulin Induces Long-term Depression in VTA DA Neurons via an Endocannabinoid-mediated Mechanism. , 2014, , 253.		0