Philip L Johnson

List of Publications by Year
in descending order

61 papers	3,940 citations	126907 33 h-index	138484 58 g-index
67 all docs	67 docs citations	67 times ranked	3783 citing authors

#	Article	IF	Citations
1	A key role for orexin in panic anxiety. Nature Medicine, 2010, 16, 111-115.	30.7	356
2	Modulation of anxiety circuits by serotonergic systems. Stress, 2005, 8, 233-246.	1.8	266
3	Anatomic and Functional Topography of the Dorsal Raphe Nucleus. Annals of the New York Academy of Sciences, 2004, 1018, 46-57.	3.8	252
4	Suppression of inflammatory and neuropathic pain by uncoupling CRMP-2 from the presynaptic Ca2+ channel complex. Nature Medicine, 2011, 17, 822-829.	30.7	200
5	Orexin, stress, and anxiety/panic states. Progress in Brain Research, 2012, 198, 133-161.	1.4	178
6	Serotonergic systems associated with arousal and vigilance behaviors following administration of anxiogenic drugs. Neuroscience, 2005, 133, 983-997.	2.3	177
7	Neuropeptide Y in the Amygdala Induces Long-Term Resilience to Stress-Induced Reductions in Social Responses But Not Hypothalamicâ€“Adrenalâ€“Pituitary Axis Activity or Hyperthermia. Journal of Neuroscience, 2008, 28, 893-903.	3.6	131
8	Social learning and amygdala disruptions in Nf1 mice are rescued by blocking p21-activated kinase. Nature Neuroscience, 2014, 17, 1583-1590.	14.8	106
9	Acute Carbon Dioxide Exposure in Healthy Adults: Evaluation of a Novel Means of Investigating the Stress Response. Journal of Neuroendocrinology, 2004, 16, 256-264.	2.6	101
10	Orexin-A induces anxiety-like behavior through interactions with glutamatergic receptors in the bed nucleus of the stria terminalis of rats. Physiology and Behavior, 2012, 107, 726-732.	2.1	98
11	Activation of the Orexin 1 Receptor is a Critical Component of CO2-Mediated Anxiety and Hypertension but not Bradycardia. Neuropsychopharmacology, 2012, 37, 1911-1922.	5.4	95
12	Orexin 1 receptors are a novel target to modulate panic responses and the panic brain network. Physiology and Behavior, 2012, 107, 733-742.	2.1	95
13	A Functional Subset of Serotonergic Neurons in the Rat Ventrolateral Periaqueductal Gray Implicated in the Inhibition of Sympathoexcitation and Panic. Annals of the New York Academy of Sciences, 2004, 1018, 58-64.	3.8	91
14	Panic-Prone State Induced in Rats with GABA Dysfunction in the Dorsomedial Hypothalamus Is Mediated by NMDA Receptors. Journal of Neuroscience, 2006, 26, 7093-7104.	3.6	81
15	Repeated Stimulation of CRF Receptors in the BNST of Rats Selectively Induces Social but not Panic-Like Anxiety. Neuropsychopharmacology, 2008, 33, 2586-2594.	5.4	81
16	Neural Pathways Underlying Lactate-Induced Panic. Neuropsychopharmacology, 2008, 33, 2093-2107.	5.4	79
17	Anxiety-like behavior is modulated by a discrete subpopulation of interneurons in the basolateral amygdala. Neuroscience, 2009, 160, 284-294.	2.3	79
18	A Selective Orexin-1 Receptor Antagonist Attenuates Stress-Induced Hyperarousal without Hypnotic Effects. Journal of Pharmacology and Experimental Therapeutics, 2015, 352, 590-601.	2.5	78

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19	Disruption of GABAergic tone in the dorsomedial hypothalamus attenuates responses in a subset of serotonergic neurons in the dorsal raphe nucleus following lactate-induced panic. Journal of Psychopharmacology, 2008, 22, 642-652.	4.0	77
20	Acute hypercarbic gas exposure reveals functionally distinct subpopulations of serotonergic neurons in rats. Journal of Psychopharmacology, 2005, 19, 327-341.	4.0	75
21	Angiotensin-II Is a Putative Neurotransmitter in Lactate-Induced Panic-Like Responses in Rats with Disruption of GABAergic Inhibition in the Dorsomedial Hypothalamus. Journal of Neuroscience, 2006, 26, 9205-9215.	3.6	75
22	The Deakin/Graeff hypothesis: Focus on serotonergic inhibition of panic. Neuroscience and Biobehavioral Reviews, 2014, 46, 379-396.	6.1	69
23	Induction of c-Fos in â€˜panic/defenceâ€™-related brain circuits following brief hypercarbic gas exposure. Journal of Psychopharmacology, 2011, 25, 26-36.	4.0	68
24	Multiple anxiogenic drugs recruit a parvalbumin-containing subpopulation of GABAergic interneurons in the basolateral amygdala. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2010, 34, 1285-1293.	4.8	65
25	OREXIN 1 AND 2 RECEPTOR INVOLVEMENT IN CO₂-INDUCED PANIC-ASSOCIATED BEHAVIOR AND AUTONOMIC RESPONSES. Depression and Anxiety, 2015, 32, 671-683.	4.1	57
26	Chronic inhibition of GABA synthesis in the bed nucleus of the stria terminalis elicits anxiety-like behavior. Journal of Psychopharmacology, 2008, 22, 633-641.	4.0	54
27	Dorsomedial/Perifornical Hypothalamic Stimulation Increases Intraocular Pressure, Intracranial Pressure, and the Translaminar Pressure Gradient. , 2012, 53, 7328.		54
28	ELEVATED tph2 mRNA EXPRESSION IN A RAT MODEL OF CHRONIC ANXIETY. Depression and Anxiety, 2012, 29, 307-319.	4.1	49
29	Etiology, triggers and neurochemical circuits associated with unexpected, expected, and laboratory-induced panic attacks. Neuroscience and Biobehavioral Reviews, 2014, 46, 429-454.	6.1	48
30	Pharmacological depletion of serotonin in the basolateral amygdala complex reduces anxiety and disrupts fear conditioning. Pharmacology Biochemistry and Behavior, 2015, 138, 174-179.	2.9	48
31	An animal model of panic vulnerability with chronic disinhibition of the dorsomedial/perifornical hypothalamus. Physiology and Behavior, 2012, 107, 686-698.	2.1	45
32	Local inhibition of organic cation transporters increases extracellular serotonin in the medial hypothalamus. Brain Research, 2005, 1063, 69-76.	2.2	44
33	Evaluation of JNJ-54717793 a Novel Brain Penetrant Selective Orexin 1 Receptor Antagonist in Two Rat Models of Panic Attack Provocation. Frontiers in Pharmacology, 2017, 8, 357.	3.5	39
34	Electroacupuncture Promotes Central Nervous System-Dependent Release of Mesenchymal Stem Cells. Stem Cells, 2017, 35, 1303-1315.	3.2	37
35	Orexin Depolarizes Central Amygdala Neurons via Orexin Receptor 1, Phospholipase C and Sodium-Calcium Exchanger and Modulates Conditioned Fear. Frontiers in Neuroscience, 2018, 12, 934.	2.8	34
36	Evaluation of Low versus High Volume per Minute Displacement CO2 Methods of Euthanasia in the Induction and Duration of Panic-Associated Behavior and Physiology. Animals, 2016, 6, 45.	2.3	30

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37	Sustained relief of ongoing experimental neuropathic pain by a CRMP2 peptide aptamer with low abuse potential. Pain, 2016, 157, 2124-2140.	4.2	30
38	From QTL to Candidate Gene: A Genetic Approach to Alcoholism Research. Current Drug Abuse Reviews, 2009, 2, 127-134.	3.4	30
39	Changes in Central Sodium and not Osmolarity or Lactate Induce Panic-Like Responses in a Model of Panic Disorder. Neuropsychopharmacology, 2010, 35, 1333-1347.	5.4	29
40	Topographical distribution of corticotropin-releasing factor type 2 receptor-like immunoreactivity in the rat dorsal raphe nucleus: co-localization with tryptophan hydroxylase. Neuroscience, 2011, 183, 47-63.	2.3	29
41	Translational evaluation of novel selective orexin-1 receptor antagonist JNJ-61393215 in an experimental model for panic in rodents and humans. Translational Psychiatry, 2020, 10, 308.	4.8	29
42	Are tuberomammillary histaminergic neurons involved in CO2-mediated arousal?. Experimental Neurology, 2005, 193, 228-233.	4.1	28
43	The Role of the Medial Prefrontal Cortex in Regulating Social Familiarity-Induced Anxiolysis. Neuropsychopharmacology, 2014, 39, 1009-1019.	5.4	27
44	Induction of chronic migraine phenotypes in a rat model after environmental irritant exposure. Pain, 2018, 159, 540-549.	4.2	27
45	GABAergic drugs alter hypothalamic serotonin release and lordosis in estrogen-primed rats. Brain Research, 2002, 946, 96-103.	2.2	22
46	Group II metabotropic glutamate receptor type 2 allosteric potentiators prevent sodium lactate-induced panic-like response in panic-vulnerable rats. Journal of Psychopharmacology, 2013, 27, 152-161.	4.0	22
47	PSD95 and nNOS interaction as a novel molecular target to modulate conditioned fear: relevance to PTSD. Translational Psychiatry, 2018, 8, 155.	4.8	22
48	A selective, non-peptide CRF receptor 1 antagonist prevents sodium lactate-induced acute panic-like responses. International Journal of Neuropsychopharmacology, 2011, 14, 355-365.	2.1	19
49	Assessment of fear and anxiety associated behaviors, physiology and neural circuits in rats with reduced serotonin transporter (SERT) levels. Translational Psychiatry, 2019, 9, 33.	4.8	17
50	Angiotensin II's role in sodium lactate-induced panic-like responses in rats with repeated urocortin 1 injections into the basolateral amygdala. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2013, 44, 248-256.	4.8	16
51	Role of medial hypothalamic orexin system in panic, phobia and hypertension. Brain Research, 2020, 1731, 145942.	2.2	14
52	Hypothalamic orexinâ€™s role in exacerbated cutaneous vasodilation responses to an anxiogenic stimulus in a surgical menopause model. Psychoneuroendocrinology, 2016, 65, 127-137.	2.7	12
53	Anxiogenic CO2 stimulus elicits exacerbated hot flash-like responses in a rat menopause model and hot flashes in postmenopausal women. Menopause, 2016, 23, 1257-1266.	2.0	10
54	The Rewarding and Anxiolytic Properties of Ethanol within the Central Nucleus of the Amygdala: Mediated by Genetic Background and Nociceptin. Journal of Pharmacology and Experimental Therapeutics, 2020, 374, 366-375.	2.5	10

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55	Panic results in unique molecular and network changes in the amygdala that facilitate fear responses. Molecular Psychiatry, 2020, 25, 442-460.	7.9	9
56	Conditioned stimuli affect ethanol-seeking by female alcohol-preferring (P) rats: the role of repeated-deprivations, cue-pretreatment, and cue-temporal intervals. Psychopharmacology, 2019, 236, 2835-2846.	3.1	7
57	Using loss- and gain-of-function approaches to target amygdala-projecting serotonergic neurons in the dorsal raphe nucleus that enhance anxiety-related and conditioned fear behaviors. Journal of Psychopharmacology, 2020, 34, 400-411.	4.0	7
58	Stress, Panic, and Central Serotonergic Inhibition. , 2017, , 153-164.		6
59	Corrigendum to â€œHypothalamic orexin's role in exacerbated cutaneous vasodilation responses to an anxiogenic stimulus in a surgical menopause modelâ€•[Psychoneuroendocrinology 65 (2016) 127â€“137]. Psychoneuroendocrinology, 2016, 73, 275.	2.7	4
60	Select panicogenic drugs and stimuli induce consistent increases in tail skin flushes and decreases in core body temperature. Behavioural Pharmacology, 2019, 30, 376-382.	1.7	1
61	Dual Orexin Receptor Antagonist Attenuates Increases in IOP, ICP, and Translaminar Pressure Difference After Stimulation of the Hypothalamus in Rats. , 2022, 63, 1.		1