

Donald G Rainnie

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

68

papers

4,619

citations

36

h-index

67

g-index

70

ext. papers

5,069

ext. citations

6.5

avg, IF

5.45

L-index

#	Paper	IF	Citations
68	Reward-related dynamical coupling between basolateral amygdala and nucleus accumbens. <i>Brain Structure and Function</i> , 2020 , 225, 1873-1888	4	0
67	Chronic stress induces cell type-selective transcriptomic and electrophysiological changes in the bed nucleus of the stria terminalis. <i>Neuropharmacology</i> , 2019 , 150, 80-90	5.5	3
66	High-fructose diet initiated during adolescence does not affect basolateral amygdala excitability or affective-like behavior in Sprague Dawley rats. <i>Behavioural Brain Research</i> , 2019 , 365, 17-25	3.4	4
65	Rho-kinase inhibition has antidepressant-like efficacy and expedites dendritic spine pruning in adolescent mice. <i>Neurobiology of Disease</i> , 2019 , 124, 520-530	7.5	11
64	RDoC-based categorization of amygdala functions and its implications in autism. <i>Neuroscience and Biobehavioral Reviews</i> , 2018 , 90, 115-129	9	16
63	Memory Retention Involves the Ventrolateral Orbitofrontal Cortex: Comparison with the Basolateral Amygdala. <i>Neuropsychopharmacology</i> , 2018 , 43, 373-383	8.7	19
62	Repeated shock stress facilitates basolateral amygdala synaptic plasticity through decreased cAMP-specific phosphodiesterase type IV (PDE4) expression. <i>Brain Structure and Function</i> , 2018 , 223, 1731-1745	4	9
61	Connections of the Mouse Orbitofrontal Cortex and Regulation of Goal-Directed Action Selection by Brain-Derived Neurotrophic Factor. <i>Biological Psychiatry</i> , 2017 , 81, 366-377	7.9	49
60	Dynamic corticostriatal activity biases social bonding in monogamous female prairie voles. <i>Nature</i> , 2017 , 546, 297-301	50.4	58
59	A comparative analysis of the physiological properties of neurons in the anterolateral bed nucleus of the stria terminalis in the <i>Mus musculus</i> , <i>Rattus norvegicus</i> , and <i>Macaca mulatta</i> . <i>Journal of Comparative Neurology</i> , 2017 , 525, 2235-2248	3.4	18
58	Developmental disruption of amygdala transcriptome and socioemotional behavior in rats exposed to valproic acid prenatally. <i>Molecular Autism</i> , 2017 , 8, 42	6.5	30
57	Serotonin gating of cortical and thalamic glutamate inputs onto principal neurons of the basolateral amygdala. <i>Neuropharmacology</i> , 2017 , 126, 224-232	5.5	10
56	Stress Modulation of Opposing Circuits in the Bed Nucleus of the Stria Terminalis. <i>Neuropsychopharmacology</i> , 2016 , 41, 103-25	8.7	122
55	Molecular characterization of Thy1 expressing fear-inhibiting neurons within the basolateral amygdala. <i>Nature Communications</i> , 2016 , 7, 13149	17.4	24
54	Amygdala-Dependent Molecular Mechanisms of the Tac2 Pathway in Fear Learning. <i>Neuropsychopharmacology</i> , 2016 , 41, 2714-22	8.7	23
53	Morphology and dendritic maturation of developing principal neurons in the rat basolateral amygdala. <i>Brain Structure and Function</i> , 2016 , 221, 839-54	4	31
52	Oxytocin in the nucleus accumbens shell reverses CRFR2-evoked passive stress-coping after partner loss in monogamous male prairie voles. <i>Psychoneuroendocrinology</i> , 2016 , 64, 66-78	5	91

51	Prenatal Stress Alters the Development of Socioemotional Behavior and Amygdala Neuron Excitability in Rats. <i>Neuropsychopharmacology</i> , 2015 , 40, 2135-45	8.7	34
50	Prenatal stress, regardless of concurrent escitalopram treatment, alters behavior and amygdala gene expression of adolescent female rats. <i>Neuropharmacology</i> , 2015 , 97, 251-8	5.5	31
49	BA11 regulates spatial learning and synaptic plasticity in the hippocampus. <i>Journal of Clinical Investigation</i> , 2015 , 125, 1497-508	15.9	51
48	Bidirectional regulation of synaptic plasticity in the basolateral amygdala induced by the D1-like family of dopamine receptors and group II metabotropic glutamate receptors. <i>Journal of Physiology</i> , 2014 , 592, 4329-51	3.9	21
47	Effects of stress on AMPA receptor distribution and function in the basolateral amygdala. <i>Brain Structure and Function</i> , 2014 , 219, 1169-79	4	27
46	Distribution and functional expression of Kv4 family β subunits and associated KChIP β subunits in the bed nucleus of the stria terminalis. <i>Journal of Comparative Neurology</i> , 2014 , 522, 609-25	3.4	4
45	Striatal-enriched protein tyrosine phosphatase-STEPs toward understanding chronic stress-induced activation of corticotrophin releasing factor neurons in the rat bed nucleus of the stria terminalis. <i>Biological Psychiatry</i> , 2013 , 74, 817-26	7.9	38
44	Thy1-expressing neurons in the basolateral amygdala may mediate fear inhibition. <i>Journal of Neuroscience</i> , 2013 , 33, 10396-404	6.6	64
43	Postnatal maturation of GABAergic transmission in the rat basolateral amygdala. <i>Journal of Neurophysiology</i> , 2013 , 110, 926-41	3.2	58
42	Microfabricated polymer-based neural interface for electrical stimulation/recording, drug delivery, and chemical sensing--development. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2013 , 2013, 5159-62	0.9	12
41	Chronic, multi-contact, neural interface for deep brain stimulation 2013 ,		2
40	Central CRF neurons are not created equal: phenotypic differences in CRF-containing neurons of the rat paraventricular hypothalamus and the bed nucleus of the stria terminalis. <i>Frontiers in Neuroscience</i> , 2013 , 7, 156	5.1	104
39	Presynaptic muscarinic M(2) receptors modulate glutamatergic transmission in the bed nucleus of the stria terminalis. <i>Neuropharmacology</i> , 2012 , 62, 1671-83	5.5	16
38	Cell-type specific deletion of GABA(A) α 1 in corticotropin-releasing factor-containing neurons enhances anxiety and disrupts fear extinction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 16330-5	11.5	75
37	Spike-timing precision and neuronal synchrony are enhanced by an interaction between synaptic inhibition and membrane oscillations in the amygdala. <i>PLoS ONE</i> , 2012 , 7, e35320	3.7	36
36	A transcriptomic analysis of type I-III neurons in the bed nucleus of the stria terminalis. <i>Molecular and Cellular Neurosciences</i> , 2011 , 46, 699-709	4.8	38
35	Synergistic activation of dopamine D1 and TrkB receptors mediate gain control of synaptic plasticity in the basolateral amygdala. <i>PLoS ONE</i> , 2011 , 6, e26065	3.7	43
34	Neuroanatomical evidence for reciprocal regulation of the corticotrophin-releasing factor and oxytocin systems in the hypothalamus and the bed nucleus of the stria terminalis of the rat: Implications for balancing stress and affect. <i>Psychoneuroendocrinology</i> , 2011 , 36, 1312-26	5	172

33	A novel transgenic mouse for gene-targeting within cells that express corticotropin-releasing factor. <i>Biological Psychiatry</i> , 2010 , 67, 1212-6	7.9	34
32	Presynaptic 5-HT(1B) receptor-mediated serotonergic inhibition of glutamate transmission in the bed nucleus of the stria terminalis. <i>Neuroscience</i> , 2010 , 165, 1390-401	3.9	51
31	Expression and distribution of Kv4 potassium channel subunits and potassium channel interacting proteins in subpopulations of interneurons in the basolateral amygdala. <i>Neuroscience</i> , 2010 , 171, 721-33	3.9	18
30	Distinct subtypes of cholecystokinin (CCK)-containing interneurons of the basolateral amygdala identified using a CCK promoter-specific lentivirus. <i>Journal of Neurophysiology</i> , 2009 , 101, 1494-506	3.2	49
29	Distribution of D1 and D5 dopamine receptors in the primate and rat basolateral amygdala. <i>Brain Structure and Function</i> , 2009 , 213, 375-93	4	24
28	Bi-directional modulation of bed nucleus of stria terminalis neurons by 5-HT: molecular expression and functional properties of excitatory 5-HT receptor subtypes. <i>Neuroscience</i> , 2009 , 164, 1776-93	3.9	48
27	The response of neurons in the bed nucleus of the stria terminalis to serotonin: implications for anxiety. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2009 , 33, 1309-20	5.5	73
26	Construction of cell-type specific promoter lentiviruses for optically guiding electrophysiological recordings and for targeted gene delivery. <i>Methods in Molecular Biology</i> , 2009 , 515, 199-213	1.4	13
25	Physiology of the Amygdala: Implications for PTSD 2009 , 39-78		5
24	Subcellular distribution of the Rho-GEF Lfc in primate prefrontal cortex: effect of neuronal activation. <i>Journal of Comparative Neurology</i> , 2008 , 508, 927-39	3.4	9
23	Group II metabotropic glutamate receptors in anxiety circuitry: correspondence of physiological response and subcellular distribution. <i>Journal of Comparative Neurology</i> , 2007 , 505, 682-700	3.4	45
22	Differential expression of intrinsic membrane currents in defined cell types of the anterolateral bed nucleus of the stria terminalis. <i>Journal of Neurophysiology</i> , 2007 , 98, 638-56	3.2	104
21	Physiological and morphological characterization of parvalbumin-containing interneurons of the rat basolateral amygdala. <i>Journal of Comparative Neurology</i> , 2006 , 498, 142-61	3.4	110
20	Role of stress, corticotrophin releasing factor (CRF) and amygdala plasticity in chronic anxiety. <i>Stress</i> , 2005 , 8, 209-19	3	178
19	Evidence for a perisomatic innervation of parvalbumin-containing interneurons by individual pyramidal cells in the basolateral amygdala. <i>Brain Research</i> , 2005 , 1035, 32-40	3.7	55
18	Corticotrophin releasing factor-induced synaptic plasticity in the amygdala translates stress into emotional disorders. <i>Journal of Neuroscience</i> , 2004 , 24, 3471-9	6.6	246
17	5-hydroxytryptamine _{1A} -like receptor activation in the bed nucleus of the stria terminalis: electrophysiological and behavioral studies. <i>Neuroscience</i> , 2004 , 128, 583-96	3.9	63
16	The amygdala, panic disorder, and cardiovascular responses. <i>Annals of the New York Academy of Sciences</i> , 2003 , 985, 308-25	6.5	96

15	Subtypes of substance P receptor immunoreactive interneurons in the rat basolateral amygdala. <i>Brain Research</i> , 2003 , 981, 41-51	3.7	19
14	Adenosine, prolonged wakefulness, and A1-activated NF-kappaB DNA binding in the basal forebrain of the rat. <i>Neuroscience</i> , 2001 , 104, 731-9	3.9	82
13	Adenosine-mediated presynaptic modulation of glutamatergic transmission in the laterodorsal tegmentum. <i>Journal of Neuroscience</i> , 2001 , 21, 1076-85	6.6	62
12	Adenosinergic modulation of basal forebrain and preoptic/anterior hypothalamic neuronal activity in the control of behavioral state. <i>Behavioural Brain Research</i> , 2000 , 115, 183-204	3.4	287
11	Serotonergic modulation of neurotransmission in the rat basolateral amygdala. <i>Journal of Neurophysiology</i> , 1999 , 82, 69-85	3.2	248
10	Neurons of the bed nucleus of the stria terminalis (BNST). Electrophysiological properties and their response to serotonin. <i>Annals of the New York Academy of Sciences</i> , 1999 , 877, 695-9	6.5	34
9	Presynaptic nicotinic receptors facilitate monoaminergic transmission. <i>Journal of Neuroscience</i> , 1998 , 18, 1904-12	6.6	161
8	Role of adenosine in behavioral state modulation: a microdialysis study in the freely moving cat. <i>Neuroscience</i> , 1997 , 79, 225-35	3.9	247
7	Brainstem neuromodulation and REM sleep. <i>Seminars in Neuroscience</i> , 1995 , 7, 341-354		178
6	Adenosine inhibition of mesopontine cholinergic neurons: implications for EEG arousal. <i>Science</i> , 1994 , 263, 689-92	33.3	359
5	Abnormal fear response and aggressive behavior in mutant mice deficient for alpha-calcium-calmodulin kinase II. <i>Science</i> , 1994 , 266, 291-4	33.3	244
4	The central nucleus of the rat amygdala: in vitro intracellular recordings. <i>Brain Research</i> , 1993 , 604, 283-37		23
3	Trans-ACPD and L-APB presynaptically inhibit excitatory glutamatergic transmission in the basolateral amygdala (BLA). <i>Neuroscience Letters</i> , 1992 , 139, 87-91	3.3	79
2	In vivo kindling does not alter afterhyperpolarizations (AHPs) following action potential firing in vitro in basolateral amygdala neurons. <i>Brain Research</i> , 1992 , 588, 329-34	3.7	15
1	Serotonin receptor heterogeneity and the role of potassium channels in neuronal excitability. <i>Advances in Experimental Medicine and Biology</i> , 1991 , 287, 177-91	3.6	16