Richard DeFazio

List of Publications by Year in descending order

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47 papers	2,897 citations	186265 28 h-index	223800 46 g-index
50 all docs	50 docs citations	50 times ranked	2937 citing authors

#	Article	IF	Citations
1	Gonadotropin-Releasing Hormone (GnRH) Neuron Potassium Currents and Excitability in Both Sexes Exhibit Minimal Changes upon Removal of Negative Feedback. ENeuro, 2021, 8, ENEURO.0126-21.2021.	1.9	3
2	A role for glial fibrillary acidic protein (GFAP)-expressing cells in the regulation of gonadotropin-releasing hormone (GnRH) but not arcuate kisspeptin neuron output in male mice. ELife, 2021, 10, .	6.0	12
3	Reciprocal Changes in Voltage-Gated Potassium and Subthreshold Inward Currents Help Maintain Firing Dynamics of AVPV Kisspeptin Neurons during the Estrous Cycle. ENeuro, 2021, 8, ENEURO.0324-21.2021.	1.9	2
4	Firing patterns of gonadotropin-releasing hormone neurons are sculpted by their biologic state. Royal Society Open Science, 2020, 7, 201040.	2.4	0
5	Chemogenetic Suppression of GnRH Neurons during Pubertal Development Can Alter Adult GnRH Neuron Firing Rate and Reproductive Parameters in Female Mice. ENeuro, 2020, 7, ENEURO.0223-20.2020.	1.9	4
6	Estradiol Enhances the Depolarizing Response to GABA and AMPA Synaptic Conductances in Arcuate Kisspeptin Neurons by Diminishing Voltage-Gated Potassium Currents. Journal of Neuroscience, 2019, 39, 9532-9545.	3.6	13
7	Changes in Both Neuron Intrinsic Properties and Neurotransmission Are Needed to Drive the Increase in GnRH Neuron Firing Rate during Estradiol-Positive Feedback. Journal of Neuroscience, 2019, 39, 2091-2101.	3.6	12
8	Gonadotropin-Releasing Hormone (GnRH) Neuron Excitability Is Regulated by Estradiol Feedback and Kisspeptin. Journal of Neuroscience, 2018, 38, 1249-1263.	3.6	34
9	Excitability and Burst Generation of AVPV Kisspeptin Neurons Are Regulated by the Estrous Cycle Via Multiple Conductances Modulated by Estradiol Action. ENeuro, 2016, 3, ENEURO.0094-16.2016.	1.9	45
10	GABAergic Transmission to Kisspeptin Neurons Is Differentially Regulated by Time of Day and Estradiol in Female Mice. Journal of Neuroscience, 2014, 34, 16296-16308.	3.6	49
11	Vessel Painting Technique for Visualizing the Cerebral Vascular Architecture of the Mouse. Methods in Molecular Biology, 2014, 1135, 127-138.	0.9	17
12	Albumin Therapy Enhances Collateral Perfusion after Laser-Induced Middle Cerebral Artery Branch Occlusion: A Laser Speckle Contrast Flow Study. Journal of Cerebral Blood Flow and Metabolism, 2012, 32, 2012-2022.	4.3	27
13	Chronic nicotine exposure inhibits estrogen-mediated synaptic functions in hippocampus of female rats. Neuroscience Letters, 2012, 517, 41-46.	2.1	11
14	Challenges and opportunities for characterizing cognitive aging across species. Frontiers in Aging Neuroscience, 2012, 4, 6.	3.4	16
15	Characterizing cognitive aging of spatial and contextual memory in animal models. Frontiers in Aging Neuroscience, 2012, 4, 12.	3.4	93
16	Activation of Protein Kinase C Delta following Cerebral Ischemia Leads to Release of Cytochrome C from the Mitochondria via Bad Pathway. PLoS ONE, 2011, 6, e22057.	2.5	33
17	A Protocol for Characterizing the Impact of Collateral Flow after Distal Middle Cerebral Artery Occlusion. Translational Stroke Research, 2011, 2, 112-127.	4.2	26
18	Voltage-Gated Potassium Currents Are Targets of Diurnal Changes in Estradiol Feedback Regulation and Kisspeptin Action on Gonadotropin-Releasing Hormone Neurons in Mice1. Biology of Reproduction, 2011, 85, 987-995.	2.7	33

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19	A Case Report - Volatile Metabolomic Signature of Malignant Melanoma using Matching Skin as a Control. Journal of Cancer Science & Therapy, 2011, 03, 140-144.	1.7	20
20	Differential Volatile Signatures from Skin, Naevi and Melanoma: A Novel Approach to Detect a Pathological Process. PLoS ONE, 2010, 5, e13813.	2.5	64
21	Derangements of post-ischemic cerebral blood flow by protein kinase C delta. Neuroscience, 2010, 171, 566-576.	2.3	20
22	Fluorescence patterning in films of a photoswitchable BODIPYâ€“spiropyran dyad. Physical Chemistry Chemical Physics, 2010, 12, 11630.	2.8	28
23	GABA Synapses Mediate Neuroprotection after Ischemic and ÎµPKC Preconditioning in Rat Hippocampal Slice Cultures. Journal of Cerebral Blood Flow and Metabolism, 2009, 29, 375-384.	4.3	47
24	Protein kinase C epsilon activation delays neuronal depolarization during cardiac arrest in the euthermic arctic ground squirrel. Journal of Neurochemistry, 2009, 110, 1170-1179.	3.9	51
25	Resveratrol pretreatment protects rat brain from cerebral ischemic damage via a sirtuin 1â€“uncoupling protein 2 pathway. Neuroscience, 2009, 159, 993-1002.	2.3	344
26	Pretreatment with a single estradiol-17Î² bolus activates cyclic-AMP response element binding protein and protects CA1 neurons against global cerebral ischemia. Neuroscience, 2009, 160, 307-318.	2.3	51
27	Albumin Therapy Augments the Effect of Thrombolysis on Local Vascular Dynamics in a Rat Model of Arteriolar Thrombosis. Stroke, 2008, 39, 1556-1562.	2.0	56
28	Ischemic Preconditioning Targets the Respiration of Synaptic Mitochondria via Protein Kinase CÎµ. Journal of Neuroscience, 2008, 28, 4172-4182.	3.6	104
29	Resveratrol and Ischemic Preconditioning in the Brain. Current Medicinal Chemistry, 2008, 15, 1545-1551.	2.4	98
30	Ischemic preconditioning via epsilon protein kinase C activation requires cyclooxygenase-2 activation in vitro. Neuroscience, 2007, 145, 931-941.	2.3	41
31	É›PKC phosphorylates the mitochondrial K+ATP channel during induction of ischemic preconditioning in the rat hippocampus. Brain Research, 2007, 1184, 345-353.	2.2	88
32	Separate Populations of Receptor Cells and Presynaptic Cells in Mouse Taste Buds. Journal of Neuroscience, 2006, 26, 3971-3980.	3.6	274
33	Horizontal spread of activity in neocortical inhibitory networks. Developmental Brain Research, 2005, 157, 83-92.	1.7	10
34	Calcium modulates dopamine potentiation of N-methyl-D-aspartate Responses: Electrophysiological and imaging evidence. Journal of Neuroscience Research, 2004, 76, 315-322.	2.9	31
35	A targeted extracellular approach for recording long-term firing patterns of excitable cells: a practical guide. Biological Procedures Online, 2003, 5, 53-62.	2.9	88
36	Steroid Regulation of GnRH Neurons. Annals of the New York Academy of Sciences, 2003, 1007, 143-152.	3.8	17

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37	Mechanisms underlying episodic gonadotropin-releasing hormone secretion. Frontiers in Neuroendocrinology, 2003, 24, 79-93.	5.2	135
38	Calcium Current Subtypes in GnRH Neurons1. Biology of Reproduction, 2003, 69, 1914-1922.	2.7	43
39	Metabolic Regulation of Fertility through Presynaptic and Postsynaptic Signaling to Gonadotropin-Releasing Hormone Neurons. Journal of Neuroscience, 2003, 23, 8578-8585.	3.6	86
40	Estradiol Feedback Alters Potassium Currents and Firing Properties of Gonadotropin-Releasing Hormone Neurons. Molecular Endocrinology, 2002, 16, 2255-2265.	3.7	109
41	Activation of A-Type Î3-Aminobutyric Acid Receptors Excites Gonadotropin-Releasing Hormone Neurons. Molecular Endocrinology, 2002, 16, 2872-2891.	3.7	268
42	Long-Term Recordings of Networks of Immortalized GnRH Neurons Reveal Episodic Patterns of Electrical Activity. Journal of Neurophysiology, 2001, 86, 86-93.	1.8	43
43	Chloride accumulation and depletion during GABAA receptor activation in neocortex. NeuroReport, 2001, 12, 2537-2541.	1.2	15
44	Alterations in NMDA Receptors in a Rat Model of Cortical Dysplasia. Journal of Neurophysiology, 2000, 83, 315-321.	1.8	91
45	Potassium-Coupled Chloride Cotransport Controls Intracellular Chloride in Rat Neocortical Pyramidal Neurons. Journal of Neuroscience, 2000, 20, 8069-8076.	3.6	193
46	Neurotrophin-4/5 promotes dendritic outgrowth and calcium currents in cultured mesencephalic dopamine neurons. Neuroscience, 2000, 99, 297-304.	2.3	7
47	Reduction of Zolpidem Sensitivity in a Freeze Lesion Model of Neocortical Dysgenesis. Journal of Neurophysiology, 1999, 81, 404-407.	1.8	44