

Richard DeFazio

List of Publications by Year in descending order

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Version: 2024-02-01

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	Resveratrol pretreatment protects rat brain from cerebral ischemic damage via a sirtuin 1 "uncoupling protein 2 pathway. <i>Neuroscience</i> , 2009, 159, 993-1002.	2.3	344
2	Separate Populations of Receptor Cells and Presynaptic Cells in Mouse Taste Buds. <i>Journal of Neuroscience</i> , 2006, 26, 3971-3980.	3.6	274
3	Activation of A-Type \hat{I}^3 -Aminobutyric Acid Receptors Excites Gonadotropin-Releasing Hormone Neurons. <i>Molecular Endocrinology</i> , 2002, 16, 2872-2891.	3.7	268
4	Potassium-Coupled Chloride Cotransport Controls Intracellular Chloride in Rat Neocortical Pyramidal Neurons. <i>Journal of Neuroscience</i> , 2000, 20, 8069-8076.	3.6	193
5	Mechanisms underlying episodic gonadotropin-releasing hormone secretion. <i>Frontiers in Neuroendocrinology</i> , 2003, 24, 79-93.	5.2	135
6	Estradiol Feedback Alters Potassium Currents and Firing Properties of Gonadotropin-Releasing Hormone Neurons. <i>Molecular Endocrinology</i> , 2002, 16, 2255-2265.	3.7	109
7	Ischemic Preconditioning Targets the Respiration of Synaptic Mitochondria via Protein Kinase C $\hat{\mu}$. <i>Journal of Neuroscience</i> , 2008, 28, 4172-4182.	3.6	104
8	Resveratrol and Ischemic Preconditioning in the Brain. <i>Current Medicinal Chemistry</i> , 2008, 15, 1545-1551.	2.4	98
9	Characterizing cognitive aging of spatial and contextual memory in animal models. <i>Frontiers in Aging Neuroscience</i> , 2012, 4, 12.	3.4	93
10	Alterations in NMDA Receptors in a Rat Model of Cortical Dysplasia. <i>Journal of Neurophysiology</i> , 2000, 83, 315-321.	1.8	91
11	A targeted extracellular approach for recording long-term firing patterns of excitable cells: a practical guide. <i>Biological Procedures Online</i> , 2003, 5, 53-62.	2.9	88
12	\hat{E} PKC phosphorylates the mitochondrial K ⁺ ATP channel during induction of ischemic preconditioning in the rat hippocampus. <i>Brain Research</i> , 2007, 1184, 345-353.	2.2	88
13	Metabolic Regulation of Fertility through Presynaptic and Postsynaptic Signaling to Gonadotropin-Releasing Hormone Neurons. <i>Journal of Neuroscience</i> , 2003, 23, 8578-8585.	3.6	86
14	Differential Volatile Signatures from Skin, Naevi and Melanoma: A Novel Approach to Detect a Pathological Process. <i>PLoS ONE</i> , 2010, 5, e13813.	2.5	64
15	Albumin Therapy Augments the Effect of Thrombolysis on Local Vascular Dynamics in a Rat Model of Arteriolar Thrombosis. <i>Stroke</i> , 2008, 39, 1556-1562.	2.0	56
16	Protein kinase C epsilon activation delays neuronal depolarization during cardiac arrest in the euthermic arctic ground squirrel. <i>Journal of Neurochemistry</i> , 2009, 110, 1170-1179.	3.9	51
17	Pretreatment with a single estradiol-17 $\hat{\beta}$ bolus activates cyclic-AMP response element binding protein and protects CA1 neurons against global cerebral ischemia. <i>Neuroscience</i> , 2009, 160, 307-318.	2.3	51
18	GABAergic Transmission to Kisspeptin Neurons Is Differentially Regulated by Time of Day and Estradiol in Female Mice. <i>Journal of Neuroscience</i> , 2014, 34, 16296-16308.	3.6	49

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19	GABA Synapses Mediate Neuroprotection after Ischemic and $\hat{\mu}$ PKC Preconditioning in Rat Hippocampal Slice Cultures. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 375-384.	4.3	47
20	Excitability and Burst Generation of AVPV Kisspeptin Neurons Are Regulated by the Estrous Cycle Via Multiple Conductances Modulated by Estradiol Action. <i>ENeuro</i> , 2016, 3, ENEURO.0094-16.2016.	1.9	45
21	Reduction of Zolpidem Sensitivity in a Freeze Lesion Model of Neocortical Dysgenesis. <i>Journal of Neurophysiology</i> , 1999, 81, 404-407.	1.8	44
22	Long-Term Recordings of Networks of Immortalized GnRH Neurons Reveal Episodic Patterns of Electrical Activity. <i>Journal of Neurophysiology</i> , 2001, 86, 86-93.	1.8	43
23	Calcium Current Subtypes in GnRH Neurons1. <i>Biology of Reproduction</i> , 2003, 69, 1914-1922.	2.7	43
24	Ischemic preconditioning via epsilon protein kinase C activation requires cyclooxygenase-2 activation in vitro. <i>Neuroscience</i> , 2007, 145, 931-941.	2.3	41
25	Gonadotropin-Releasing Hormone (GnRH) Neuron Excitability Is Regulated by Estradiol Feedback and Kisspeptin. <i>Journal of Neuroscience</i> , 2018, 38, 1249-1263.	3.6	34
26	Activation of Protein Kinase C Delta following Cerebral Ischemia Leads to Release of Cytochrome C from the Mitochondria via Bad Pathway. <i>PLoS ONE</i> , 2011, 6, e22057.	2.5	33
27	Voltage-Gated Potassium Currents Are Targets of Diurnal Changes in Estradiol Feedback Regulation and Kisspeptin Action on Gonadotropin-Releasing Hormone Neurons in Mice1. <i>Biology of Reproduction</i> , 2011, 85, 987-995.	2.7	33
28	Calcium modulates dopamine potentiation of N-methyl-D-aspartate Responses: Electrophysiological and imaging evidence. <i>Journal of Neuroscience Research</i> , 2004, 76, 315-322.	2.9	31
29	Fluorescence patterning in films of a photoswitchable BODIPY $\hat{\mu}$ “spiropyran dyad. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 11630.	2.8	28
30	Albumin Therapy Enhances Collateral Perfusion after Laser-Induced Middle Cerebral Artery Branch Occlusion: A Laser Speckle Contrast Flow Study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 2012-2022.	4.3	27
31	A Protocol for Characterizing the Impact of Collateral Flow after Distal Middle Cerebral Artery Occlusion. <i>Translational Stroke Research</i> , 2011, 2, 112-127.	4.2	26
32	Derangements of post-ischemic cerebral blood flow by protein kinase C delta. <i>Neuroscience</i> , 2010, 171, 566-576.	2.3	20
33	A Case Report - Volatile Metabolomic Signature of Malignant Melanoma using Matching Skin as a Control. <i>Journal of Cancer Science & Therapy</i> , 2011, 03, 140-144.	1.7	20
34	Steroid Regulation of GnRH Neurons. <i>Annals of the New York Academy of Sciences</i> , 2003, 1007, 143-152.	3.8	17
35	Vessel Painting Technique for Visualizing the Cerebral Vascular Architecture of the Mouse. <i>Methods in Molecular Biology</i> , 2014, 1135, 127-138.	0.9	17
36	Challenges and opportunities for characterizing cognitive aging across species. <i>Frontiers in Aging Neuroscience</i> , 2012, 4, 6.	3.4	16

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37	Chloride accumulation and depletion during GABAA receptor activation in neocortex. <i>NeuroReport</i> , 2001, 12, 2537-2541.	1.2	15
38	Estradiol Enhances the Depolarizing Response to GABA and AMPA Synaptic Conductances in Arcuate Kisspeptin Neurons by Diminishing Voltage-Gated Potassium Currents. <i>Journal of Neuroscience</i> , 2019, 39, 9532-9545.	3.6	13
39	Changes in Both Neuron Intrinsic Properties and Neurotransmission Are Needed to Drive the Increase in GnRH Neuron Firing Rate during Estradiol-Positive Feedback. <i>Journal of Neuroscience</i> , 2019, 39, 2091-2101.	3.6	12
40	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. <i>ELife</i> , 2021, 10, .	6.0	12
41	Chronic nicotine exposure inhibits estrogen-mediated synaptic functions in hippocampus of female rats. <i>Neuroscience Letters</i> , 2012, 517, 41-46.	2.1	11
42	Horizontal spread of activity in neocortical inhibitory networks. <i>Developmental Brain Research</i> , 2005, 157, 83-92.	1.7	10
43	Neurotrophin-4/5 promotes dendritic outgrowth and calcium currents in cultured mesencephalic dopamine neurons. <i>Neuroscience</i> , 2000, 99, 297-304.	2.3	7
44	Chemogenetic Suppression of GnRH Neurons during Pubertal Development Can Alter Adult GnRH Neuron Firing Rate and Reproductive Parameters in Female Mice. <i>ENeuro</i> , 2020, 7, ENEURO.0223-20.2020.	1.9	4
45	Gonadotropin-Releasing Hormone (GnRH) Neuron Potassium Currents and Excitability in Both Sexes Exhibit Minimal Changes upon Removal of Negative Feedback. <i>ENeuro</i> , 2021, 8, ENEURO.0126-21.2021.	1.9	3
46	Reciprocal Changes in Voltage-Gated Potassium and Subthreshold Inward Currents Help Maintain Firing Dynamics of AVPV Kisspeptin Neurons during the Estrous Cycle. <i>ENeuro</i> , 2021, 8, ENEURO.0324-21.2021.	1.9	2
47	Firing patterns of gonadotropin-releasing hormone neurons are sculpted by their biologic state. <i>Royal Society Open Science</i> , 2020, 7, 201040.	2.4	0