Veronique Bernard

List of Publications by Year
in descending order

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65 papers	3,908 citations	185998 28 h-index	123241 61 g-index
68 all docs	68 docs citations	68 times ranked	4180 citing authors

#	Article	IF	Citations
1	A Third Vesicular Glutamate Transporter Expressed by Cholinergic and Serotoninergic Neurons. Journal of Neuroscience, 2002, 22, 5442-5451.	1.7	571
2	The Existence of a Second Vesicular Glutamate Transporter Specifies Subpopulations of Glutamatergic Neurons. Journal of Neuroscience, 2001, 21, RC181-RC181.	1.7	530
3	Phenotypical characterization of the rat striatal neurons expressing muscarinic receptor genes. Journal of Neuroscience, 1992, 12, 3591-3600.	1.7	293
4	Cellular, Subcellular, and Subsynaptic Distribution of AMPA-Type Glutamate Receptor Subunits in the Neostriatum of the Rat. Journal of Neuroscience, 1997, 17, 819-833.	1.7	272
5	Identification of an Agrin Mutation that Causes Congenital Myasthenia and Affects Synapse Function. American Journal of Human Genetics, 2009, 85, 155-167.	2.6	158
6	Proteomic screening of glutamatergic mouse brain synaptosomes isolated by fluorescence activated sorting. EMBO Journal, 2014, 33, 157-170.	3.5	121
7	Subcellular and subsynaptic distribution of the NR1 subunit of the NMDA receptor in the neostriatum and globus pallidus of the rat: co-localization at synapses with the GluR2/3 subunit of the AMPA receptor. European Journal of Neuroscience, 1998, 10, 3721-3736.	1.2	109
8	Subcellular Redistribution of m2 Muscarinic Acetylcholine Receptors in Striatal InterneuronsIn Vivoafter Acute Cholinergic Stimulation. Journal of Neuroscience, 1998, 18, 10207-10218.	1.7	104
9	c-mip Impairs Podocyte Proximal Signaling and Induces Heavy Proteinuria. Science Signaling, 2010, 3, ra39.	1.6	99
10	Striatal neurons express increased level of dopamine D2 receptor mRNA in response to haloperidol treatment: A quantitative in situ hybridization study. Neuroscience, 1991, 45, 117-126.	1.1	85
11	Glial cell line-derived neurotrophic factor (GDNF) gene expression in the human brain: A post mortem in situ hybridization study with special reference to Parkinson's disease. Journal of Neural Transmission, 1996, 103, 1043-1052.	1.4	84
12	Expression of glutamate receptors in the human and rat basal ganglia: Effect of the dopaminergic denervation on AMPA receptor gene expression in the striatopallidal complex in parkinson's disease and rat with 6-OHDA lesion. , 1996, 368, 553-568.		80
13	Regulation of the Subcellular Distribution of m4 Muscarinic Acetylcholine Receptors in Striatal NeuronsIn Vivoby the Cholinergic Environment: Evidence for Regulation of Cell Surface Receptors by Endogenous and Exogenous Stimulation. Journal of Neuroscience, 1999, 19, 10237-10249.	1.7	77
14	Levodopa induces a cytoplasmic localization of D1 dopamine receptors in striatal neurons in Parkinson's disease. Annals of Neurology, 1999, 46, 103-111.	2.8	77
15	Fos Immunoreactivity after Stimulation or Inhibition of Muscarinic Receptors Indicates Anatomical Specificity for Cholinergic Control of Striatal Efferent Neurons and Cortical Neurons in the Rat. European Journal of Neuroscience, 1993, 5, 1218-1225.	1.2	73
16	Synaptic localization of ionotropic glutamate receptors in the rat substantia nigra. Neuroscience, 2000, 101, 1037-1051.	1.1	64
17	Targeting of Acetylcholinesterase in Neurons In Vivo: A Dual Processing Function for the Proline-Rich Membrane Anchor Subunit and the Attachment Domain on the Catalytic Subunit. Journal of Neuroscience, 2009, 29, 4519-4530.	1.7	58
18	In Vivo Internalization of the Somatostatin sst2A Receptor in Rat Brain: Evidence for Translocation of Cell-Surface Receptors into the Endosomal Recycling Pathway. Molecular and Cellular Neurosciences, 2001, 17, 646-661.	1.0	55

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19	Evidence of a dosage effect and a physiological endplate acetylcholinesterase deficiency in the first mouse models mimicking Schwartzâ€"Jampel syndrome neuromyotonia. Human Molecular Genetics, 2008, 17, 3166-3179.	1.4	53
20	Somatostatin interneurons delineate the inner part of the external plexiform layer in the mouse main olfactory bulb. Journal of Comparative Neurology, 2010, 518, 1976-1994.	0.9	53
21	Schwann Cells Sense and Control Acetylcholine Spillover at the Neuromuscular Junction by Î±7 Nicotinic Receptors and Butyrylcholinesterase. Journal of Neuroscience, 2014, 34, 11870-11883.	1.7	51
22	Intraneuronal trafficking of G-protein-coupled receptors in vivo. Trends in Neurosciences, 2006, 29, 140-147.	4.2	50
23	Regulation of the Hippocampal Network by VGLUT3-Positive CCK- GABAergic Basket Cells. Frontiers in Cellular Neuroscience, 2017, 11, 140.	1.8	48
24	Dramatic depletion of cell surface m2 muscarinic receptor due to limited delivery from intracytoplasmic stores in neurons of acetylcholinesterase-deficient mice. Molecular and Cellular Neurosciences, 2003, 23, 121-133.	1.0	41
25	Activated Somatostatin Type 2 Receptors Traffic In Vivo in Central Neurons from Dendrites to the Trans Golgi Before Recycling. Traffic, 2007, 8, 820-834.	1.3	39
26	Butyrylcholinesterase and the control of synaptic responses in acetylcholinesterase knockout mice. Life Sciences, 2007, 80, 2380-2385.	2.0	35
27	In vivo regulation of intraneuronal trafficking of G protein-coupled receptors for neurotransmitters. Trends in Pharmacological Sciences, 1999, 20, 315-319.	4.0	31
28	Acute and Chronic Acetylcholinesterase Inhibition Regulates in Vivo the Localization and Abundance of Muscarinic Receptors m2 and m4 at the Cell Surface and in the Cytoplasm of Striatal Neurons. Molecular and Cellular Neurosciences, 2002, 20, 244-256.	1.0	31
29	Trafficking of the muscarinic m2 autoreceptor in cholinergic basalocortical neurons in vivo: Differential regulation of plasma membrane receptor availability and intraneuronal localization in acetylcholinesterase-deficient and -inhibited mice. Journal of Comparative Neurology, 2003, 462, 302-314.	0.9	31
30	Nearâ€complete adaptation of the PRiMA knockout to the lack of central acetylcholinesterase. Journal of Neurochemistry, 2012, 122, 1065-1080.	2.1	29
31	Distinct localization of collagen Q and PRiMA forms of acetylcholinesterase at the neuromuscular junction. Molecular and Cellular Neurosciences, 2011, 46, 272-281.	1.0	28
32	Anatomical analysis of the neurons expressing the acetylcholinesterase gene in the rat brain, with special reference to the striatum. Neuroscience, 1995, 64, 995-1005.	1.1	26
33	A selective and sensitive near-infrared fluorescent probe for acetylcholinesterase imaging. Chemical Communications, 2016, 52, 11599-11602.	2.2	26
34	â€œIn vivoâ€•intraneuronal trafficking of G protein coupled receptors in the striatum: regulation by dopaminergic and cholinergic environment. Biology of the Cell, 2003, 95, 477-488.	0.7	25
35	Dymeclin deficiency causes postnatal microcephaly, hypomyelination and reticulum-to-Golgi trafficking defects in mice and humans. Human Molecular Genetics, 2015, 24, 2771-2783.	1.4	25
36	Plasticity of somatostatin and somatostatin sst2A receptors in the rat dentate gyrus during kindling epileptogenesis. European Journal of Neuroscience, 2004, 19, 2531-2538.	1.2	24

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37	Characterization of the Spinal Nucleus of the Bulbocavernosus Neuromuscular System in Male Mice Lacking Androgen Receptor in the Nervous System. Endocrinology, 2012, 153, 3376-3385.	1.4	23
38	Peripheral nerve hyperexcitability with preterminal nerve and neuromuscular junction remodeling is a hallmark of Schwartz-Jampel syndrome. Neuromuscular Disorders, 2013, 23, 998-1009.	0.3	23
39	Vesicular acetylcholine transporter (<scp>VAC</scp>hT) overâ€expression induces major modifications of striatal cholinergic interneuron morphology and function. Journal of Neurochemistry, 2017, 142, 857-875.	2.1	23
40	Chronic treatment with dizocilpine maleate increases the number of striatal neurons expressing the D2 receptor gene. Neuroscience, 1995, 65, 431-438.	1.1	22
41	A Novel System for the Efficient Generation of Antibodies Following Immunization of Unique Knockout Mouse Strains. PLoS ONE, 2010, 5, e12892.	1.1	21
42	Distribution of Smoothened at hippocampal mossy fiber synapses. NeuroReport, 2007, 18, 395-399.	0.6	19
43	Maitotoxin triggers the cortical reaction and phosphatidylinositol-4,5-bisphosphate breakdown in amphibian oocytes. FEBS Journal, 1988, 174, 655-662.	0.2	18
44	Quantitative In Situ Hybridization Using Radioactive Probes in the Study of Gene Expression in Heterocellular Systems. , 1994, 33, 301-312.		16
45	Contributions of selective knockout studies to understanding cholinesterase disposition and function. Chemico-Biological Interactions, 2010, 187, 72-77.	1.7	16
46	Trans-Modulation of the Somatostatin Type 2A Receptor Trafficking by Insulin-Regulated Aminopeptidase Decreases Limbic Seizures. Journal of Neuroscience, 2015, 35, 11960-11975.	1.7	16
47	A critical and previously unsuspected role for doublecortin at the neuromuscular junction in mouse and human. Neuromuscular Disorders, 2015, 25, 461-473.	0.3	15
48	Characterization of a Human Point Mutation of VGLUT3 (p.A211V) in the Rodent Brain Suggests a Nonuniform Distribution of the Transporter in Synaptic Vesicles. Journal of Neuroscience, 2017, 37, 4181-4199.	1.7	15
49	<scp>VGLUT</scp>3 gates psychomotor effects induced by amphetamine. Journal of Neurochemistry, 2019, 148, 779-795.	2.1	15
50	A proline-rich motif on VGLUT1 reduces synaptic vesicle super-pool and spontaneous release frequency. ELife, 2019, 8, .	2.8	15
51	Aging and subcellular localization of m2 muscarinic autoreceptor in basalocortical neurons in vivo. Neurobiology of Aging, 2005, 26, 1061-1072.	1.5	11
52	Drastic decrease in dopamine receptor levels in the striatum of acetylcholinesterase knock-out mouse. Chemico-Biological Interactions, 2010, 183, 194-201.	1.7	11
53	Influence of differential expression of acetylcholinesterase in brain and muscle on respiration. Respiratory Physiology and Neurobiology, 2009, 165, 40-48.	0.7	10
54	Nicotinic Acetylcholine Receptors Expressed by Striatal Interneurons Inhibit Striatal Activity and Control Striatal-Dependent Behaviors. Journal of Neuroscience, 2022, 42, 2786-2803.	1.7	9

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55	Postsynaptic muscarinic m2 receptors at cholinergic and glutamatergic synapses of mouse brainstem motoneurons. Journal of Comparative Neurology, 2013, 521, 2008-2024.	0.9	8
56	KCC3 loss-of-function contributes to Andermann syndrome by inducing activity-dependent neuromuscular junction defects. Neurobiology of Disease, 2017, 106, 35-48.	2.1	8
57	Remodeling of the Neuromuscular Junction in Mice With Deleted Exons 5 and 6 of Acetylcholinesterase. Journal of Molecular Neuroscience, 2006, 30, 99-100.	1.1	7
58	Structural and Functional Characterization of the Interaction of Snapin with the Dopamine Transporter: Differential Modulation of Psychostimulant Actions. Neuropsychopharmacology, 2018, 43, 1041-1051.	2.8	7
59	Endocytosis of Activated Muscarinic m2 Receptor (m2R) in Live Mouse Hippocampal Neurons Occurs via a Clathrin-Dependent Pathway. Frontiers in Cellular Neuroscience, 2018, 12, 450.	1.8	7
60	CLIPR-59: a protein essential for neuromuscular junction stability during mouse late embryonic development. Development (Cambridge), 2013, 140, 1583-1593.	1.2	6
61	Identification of an Agrin Mutation that Causes Congenital Myasthenia and Affects Synapse Function. American Journal of Human Genetics, 2009, 85, 536.	2.6	5
62	Phenotype of Striatal Cells Expressing c-Fos Following Amphetamine Treatment of Rats with Intrastriatal Dopaminergic Grafts. European Journal of Neuroscience, 1996, 8, 2521-2529.	1.2	4
63	Dramatic depletion of cell surface muscarinic receptor due to limited delivery from intracytoplasmic stores in neurons of acetylcholinesterase-deficient mice. , 2004, , 477-479.		0
64	Regulation of Intraneuronal Trafficking of G-Protein-Coupled Receptors by Neurotransmitters In Vivo. , 2010, , 25-41.		0
65	Subcellular and Synaptic Localization of Muscarinic Receptors in Neurons Using High-Resolution Electron Microscopic Preembedding Immunogold Technique. Neuromethods, 2016, , 131-146.	0.2	0