

David N Bowser

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

3,011
citations

393982

19
h-index

610482

24
g-index

27
all docs

27
docs citations

27
times ranked

3116
citing authors

#	ARTICLE	IF	CITATIONS
1	ATP derived from astrocytes modulates memory in the chick. <i>Neuron Glia Biology</i> , 2011, 7, 177-186.	2.0	20
2	Astrocytic adrenoceptors and learning: $\hat{1}\pm 1$ -Adrenoceptors. <i>Neurochemistry International</i> , 2010, 57, 404-410.	1.9	20
3	Stimulus pattern dependence of the Alzheimer's disease amyloid- $\hat{1}^2$ 42 peptide's inhibition of long term potentiation in mouse hippocampal slices. <i>Brain Research</i> , 2009, 1269, 176-184.	1.1	34
4	Astrocytes and Interneurons in Memory Processing in the Chick Hippocampus: Roles for G-Coupled Protein Receptors, GABA(B) and mGluR1. <i>Neurochemical Research</i> , 2009, 34, 1712-1720.	1.6	20
5	Two Forms of Astrocyte Calcium Excitability Have Distinct Effects on NMDA Receptor-Mediated Slow Inward Currents in Pyramidal Neurons. <i>Journal of Neuroscience</i> , 2008, 28, 6659-6663.	1.7	231
6	Memory Processing in the Avian Hippocampus Involves Interactions between $\hat{1}^2$ -Adrenoceptors, Glutamate Receptors, and Metabolism. <i>Neuropsychopharmacology</i> , 2008, 33, 2831-2846.	2.8	32
7	Mice deficient for the chromosome 21 ortholog <i>Its1n1</i> exhibit vesicle-trafficking abnormalities. <i>Human Molecular Genetics</i> , 2008, 17, 3281-3290.	1.4	89
8	Mice deficient for the chromosome 21 ortholog <i>Its1n1</i> exhibit vesicle-trafficking abnormalities. <i>Human Molecular Genetics</i> , 2008, 18, 389-389.	1.4	0
9	Vesicular ATP Is the Predominant Cause of Intercellular Calcium Waves in Astrocytes. <i>Journal of General Physiology</i> , 2007, 129, 485-491.	0.9	184
10	Two forms of single-vesicle astrocyte exocytosis imaged with total internal reflection fluorescence microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 4212-4217.	3.3	139
11	Vesicular ATP Is the Predominant Cause of Intercellular Calcium Waves in Astrocytes. <i>Journal of Cell Biology</i> , 2007, 177, i15-i15.	2.3	0
12	An Angstrom Scale Interaction between Plasma Membrane ATP-Gated P2X2 and $\hat{A}4\hat{A}2$ Nicotinic Channels Measured with Fluorescence Resonance Energy Transfer and Total Internal Reflection Fluorescence Microscopy. <i>Journal of Neuroscience</i> , 2005, 25, 6911-6920.	1.7	96
13	ATP Excites Interneurons and Astrocytes to Increase Synaptic Inhibition in Neuronal Networks. <i>Journal of Neuroscience</i> , 2004, 24, 8606-8620.	1.7	211
14	Release of mitochondrial Ca ²⁺ via the permeability transition activates endoplasmic reticulum Ca ²⁺ uptake. <i>FASEB Journal</i> , 2002, 16, 1105-1107.	0.2	28
15	Altered kinetics and benzodiazepine sensitivity of a GABAA receptor subunit mutation [$\hat{A}2$ (R43Q)] found in human epilepsy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 15170-15175.	3.3	104
16	Pore-Forming Proteins and their Application in Biotechnology. <i>Current Pharmaceutical Biotechnology</i> , 2002, 3, 99-115.	0.9	66
17	Truncation of the GABAA-Receptor $\hat{1}^3$ 2 Subunit in a Family with Generalized Epilepsy with Febrile Seizures Plus. <i>American Journal of Human Genetics</i> , 2002, 70, 530-536.	2.6	425
18	Mutant GABAA receptor $\hat{1}^3$ 2-subunit in childhood absence epilepsy and febrile seizures. <i>Nature Genetics</i> , 2001, 28, 49-52.	9.4	721

#	ARTICLE	IF	CITATIONS
19	Title is missing!. Nature Genetics, 2001, 28, 49-52.	9.4	247
20	Genetically Targeted Calcium Sensors Enhance The Study Of Organelle Function In Living Cells. Clinical and Experimental Pharmacology and Physiology, 2000, 27, 738-744.	0.9	4
21	[25] Confocal Ca ²⁺ imaging of organelles, cells, tissues and organs. Methods in Enzymology, 1999, 307, 441-469.	0.4	13
22	Mitochondrial Permeability Transition and Swelling Can Occur Reversibly without Inducing Cell Death in Intact Human Cells. Experimental Cell Research, 1999, 246, 26-37.	1.2	162
23	Introducing and Calibrating Fluorescent Probes in Cells and Organelles. , 1999, , 65-81.		5
24	Role of Mitochondria in Calcium Regulation of Spontaneously Contracting Cardiac Muscle Cells. Biophysical Journal, 1998, 75, 2004-2014.	0.2	74
25	Cerebral Microemboli in Atrial Fibrillation Detected by Transcranial Doppler Ultrasonography. Cerebrovascular Diseases, 1996, 6, 339-345.	0.8	19
26	Microemboli During Carotid Angiography. Stroke, 1996, 27, 1543-1547.	1.0	59