Euan R. Brown

List of Publications by Year
in descending order

40 papers	1,989 citations	430874 18 h-index	302126 39 g-index
41 all docs	41 docs citations	41 times ranked	2627 citing authors

#	Article	IF	Citations
1	Neuronal cholesterol synthesis is essential for repair of chronically demyelinated lesions in mice. Cell Reports, 2021, 37, 109889.	6.4	23
2	An in vitro model for studying CNS white matter: functional properties and experimental approaches. F1000Research, 2019, 8, 117.	1.6	13
3	Zinc Oxide Nanoparticles and Voltageâ€Gated Human K_v11.1 Potassium Channels Interact through a Novel Mechanism. Small, 2018, 14, e1703403.	10.0	6
4	Mechanism of neutrophil activation and toxicity elicited by engineered nanomaterials. Toxicology in Vitro, 2015, 29, 1172-1184.	2.4	19
5	Class I PI 3-kinases: Function and evolution. Advances in Biological Regulation, 2015, 59, 53-64.	2.3	66
6	Tunicates: not just little squirts?. , 2015, , 31-33.		0
7	A molecular toggle after exocytosis sequesters the presynaptic syntaxin1a molecules involved in prior vesicle fusion. Nature Communications, 2014, 5, 5774.	12.8	30
8	Evidence for dynamic and multiple roles for huntingtin in Ciona intestinalis. Invertebrate Neuroscience, 2013, 13, 151-165.	1.8	5
9	Synaptic plasticity in cephalopods; more than just learning and memory?. Invertebrate Neuroscience, 2013, 13, 35-44.	1.8	17
10	Imaging Large Cohorts of Single Ion Channels and Their Activity. Frontiers in Endocrinology, 2013, 4, 114.	3.5	9
11	Highly conserved elements discovered in vertebrates are present in non-syntenic loci of tunicates, act as enhancers and can be transcribed during development. Nucleic Acids Research, 2013, 41, 3600-3618.	14.5	24
12	Monoaminergic modulation of photoreception in ascidian: evidence for a proto-hypothalamo-retinal territory. BMC Biology, 2012, 10, 45.	3.8	48
13	Ion channels in key marine invertebrates; their diversity and potential for applications in biotechnology. Biotechnology Advances, 2011, 29, 457-467.	11.7	5
14	A glycine receptor is involved in the organization of swimming movements in an invertebrate chordate. BMC Neuroscience, 2010, 11, 6.	1.9	52
15	Nitric Oxide Mediates the Glutamate-dependent Pathway for Neurotransmission in Sepia officinalis Chromatophore Organs. Journal of Biological Chemistry, 2010, 285, 24154-24163.	3.4	22
16	Morphology of antennular sensors in <i>Clausocalanus furcatus</i> (Copepoda: Calanoida). Journal of the Marine Biological Association of the United Kingdom, 2008, 88, 535-541.	0.8	9
17	Natural Variation of Model Mutant Phenotypes in Ciona intestinalis. PLoS ONE, 2008, 3, e2344.	2.5	29
18	Ammonium channel expression is essential for brain development and function in the larva ofCiona intestinalis. Journal of Comparative Neurology, 2007, 503, 135-147.	1.6	26

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19	Primary cultures of nervous system cells from the larva of the ascidian Ciona intestinalis. Journal of Neuroscience Methods, 2007, 165, 191-197.	2.5	6
20	Preâ€•and postsynaptic excitation and inhibition at octopus optic lobe photoreceptor terminals; implications for the function of the â€˜presynaptic bagsâ€™. European Journal of Neuroscience, 2007, 26, 2196-2203.	2.6	14
21	Modulation of an AMPA-like glutamate receptor (SqGluR) gating by L- and D-aspartic acids. Amino Acids, 2007, 32, 53-57.	2.7	16
22	The Genome of the Sea Urchin <i>Strongylocentrotus purpuratus</i>. Science, 2006, 314, 941-952.	12.6	1,018
23	Brain and behavioural evidence for rest-activity cycles in Octopus vulgaris. Behavioural Brain Research, 2006, 172, 355-359.	2.2	52
24	The ascidian homolog of the vertebrate homeobox gene Rx is essential for ocellus development and function. Differentiation, 2006, 74, 222-234.	1.9	60
25	<scp>D</scp>â€aspartic acid in the nervous system of <i>Aplysia limacina</i>: Possible role in neurotransmission. Journal of Cellular Physiology, 2006, 206, 672-681.	4.1	59
26	Development of swimming behaviour in the larva of the ascidian Ciona intestinalis. Journal of Experimental Biology, 2006, 209, 3405-3412.	1.7	45
27	GABAergic synaptic transmission modulates swimming in the ascidian larva. European Journal of Neuroscience, 2005, 22, 2541-2548.	2.6	55
28	Alteration and recovery of appetitive behaviour following nerve section in the starfish Asterias rubens. Behavioural Brain Research, 2005, 164, 36-41.	2.2	5
29	Ca2+ signalling and membrane current activated by cADPr in starfish oocytes. Pflugers Archiv European Journal of Physiology, 2003, 446, 541-552.	2.8	17
30	AMPA/kainate and NMDA-like glutamate receptors at the chromatophore neuromuscular junction of the squid: role in synaptic transmission and skin patterning. European Journal of Neuroscience, 2003, 17, 507-516.	2.6	36
31	A Learning and Memory Area in the Octopus Brain Manifests a Vertebrate-Like Long-Term Potentiation. Journal of Neurophysiology, 2003, 90, 3547-3554.	1.8	107
32	Effect of glycine on synaptic transmission at the third order giant synapse of the squids Alloteuthis subulata and Loligo vulgaris. Neuroscience Letters, 2002, 325, 42-46.	2.1	8
33	Ionic currents in isolated and in situ squid Schwann cells. Journal of Physiology, 2002, 541, 769-778.	2.9	9
34	Differential sensitivity to calciseptine of L-type Ca2+currents in a â€˜lowerâ€™vertebrate (Scyliorhinus) Tj ETQq0 0 0 rgBT /Overlock 10 Experimental Physiology, 2001, 86, 689-694.	2.0	6
35	Ca2+ dynamics in synaptosomes isolated from the squid optic lobe. Journal of Neuroscience Research, 2000, 62, 840-846.	2.9	8
36	K+ accumulation and K+ conductance inactivation during action potential trains in giant axons of the squid Sepioteuthis.. Journal of Physiology, 1997, 500, 355-366.	2.9	15

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37	Coupling between giant axon Schwann cells in the squid. Proceedings of the Royal Society B: Biological Sciences, 1996, 263, 667-672.	2.6	2
38	Evolution of skeletal muscle excitation-contraction coupling and the appearance of dihydropyridine-sensitive intramembrane charge movement. Proceedings of the Royal Society B: Biological Sciences, 1994, 255, 181-187.	2.6	14
39	Ultrastructure and permeability of the Schwann cell layer surrounding the giant axon of the squid. Journal of Neurocytology, 1993, 22, 283-298.	1.5	17
40	Morphology and electrical properties of Schwann cells around the giant axon of the squids Loligo forbesi and Loligo Vulgaris. Proceedings of the Royal Society B: Biological Sciences, 1991, 243, 255-262.	2.6	17