

Euan R. Brown

List of Publications by Year in descending order

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Version: 2024-02-01

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	The Genome of the Sea Urchin <i>Strongylocentrotus purpuratus</i> . <i>Science</i> , 2006, 314, 941-952.	12.6	1,018
2	A Learning and Memory Area in the Octopus Brain Manifests a Vertebrate-Like Long-Term Potentiation. <i>Journal of Neurophysiology</i> , 2003, 90, 3547-3554.	1.8	107
3	Class I PI 3-kinases: Function and evolution. <i>Advances in Biological Regulation</i> , 2015, 59, 53-64.	2.3	66
4	The ascidian homolog of the vertebrate homeobox gene Rx is essential for ocellus development and function. <i>Differentiation</i> , 2006, 74, 222-234.	1.9	60
5	D-aspartic acid in the nervous system of <i>Aplysia limacina</i> : Possible role in neurotransmission. <i>Journal of Cellular Physiology</i> , 2006, 206, 672-681.	4.1	59
6	GABAergic synaptic transmission modulates swimming in the ascidian larva. <i>European Journal of Neuroscience</i> , 2005, 22, 2541-2548.	2.6	55
7	Brain and behavioural evidence for rest-activity cycles in <i>Octopus vulgaris</i> . <i>Behavioural Brain Research</i> , 2006, 172, 355-359.	2.2	52
8	A glycine receptor is involved in the organization of swimming movements in an invertebrate chordate. <i>BMC Neuroscience</i> , 2010, 11, 6.	1.9	52
9	Monoaminergic modulation of photoreception in ascidian: evidence for a proto-hypothalamo-retinal territory. <i>BMC Biology</i> , 2012, 10, 45.	3.8	48
10	Development of swimming behaviour in the larva of the ascidian <i>Ciona intestinalis</i> . <i>Journal of Experimental Biology</i> , 2006, 209, 3405-3412.	1.7	45
11	AMPA/kainate and NMDA-like glutamate receptors at the chromatophore neuromuscular junction of the squid: role in synaptic transmission and skin patterning. <i>European Journal of Neuroscience</i> , 2003, 17, 507-516.	2.6	36
12	A molecular toggle after exocytosis sequesters the presynaptic syntaxin1a molecules involved in prior vesicle fusion. <i>Nature Communications</i> , 2014, 5, 5774.	12.8	30
13	Natural Variation of Model Mutant Phenotypes in <i>Ciona intestinalis</i> . <i>PLoS ONE</i> , 2008, 3, e2344.	2.5	29
14	Ammonium channel expression is essential for brain development and function in the larva of <i>Ciona intestinalis</i> . <i>Journal of Comparative Neurology</i> , 2007, 503, 135-147.	1.6	26
15	Highly conserved elements discovered in vertebrates are present in non-syntenic loci of tunicates, act as enhancers and can be transcribed during development. <i>Nucleic Acids Research</i> , 2013, 41, 3600-3618.	14.5	24
16	Neuronal cholesterol synthesis is essential for repair of chronically demyelinated lesions in mice. <i>Cell Reports</i> , 2021, 37, 109889.	6.4	23
17	Nitric Oxide Mediates the Glutamate-dependent Pathway for Neurotransmission in <i>Sepia officinalis</i> Chromatophore Organs. <i>Journal of Biological Chemistry</i> , 2010, 285, 24154-24163.	3.4	22
18	Mechanism of neutrophil activation and toxicity elicited by engineered nanomaterials. <i>Toxicology in Vitro</i> , 2015, 29, 1172-1184.	2.4	19

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19	Morphology and electrical properties of Schwann cells around the giant axon of the squids <i>Loligo forbesi</i> and <i>Loligo Vulgaris</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1991, 243, 255-262.	2.6	17
20	Ultrastructure and permeability of the Schwann cell layer surrounding the giant axon of the squid. <i>Journal of Neurocytology</i> , 1993, 22, 283-298.	1.5	17
21	Ca ²⁺ signalling and membrane current activated by cADPr in starfish oocytes. <i>Pflugers Archiv European Journal of Physiology</i> , 2003, 446, 541-552.	2.8	17
22	Synaptic plasticity in cephalopods; more than just learning and memory?. <i>Invertebrate Neuroscience</i> , 2013, 13, 35-44.	1.8	17
23	Modulation of an AMPA-like glutamate receptor (SqGluR) gating by L- and D-aspartic acids. <i>Amino Acids</i> , 2007, 32, 53-57.	2.7	16
24	K ⁺ accumulation and K ⁺ conductance inactivation during action potential trains in giant axons of the squid <i>Sepioteuthis</i> . <i>Journal of Physiology</i> , 1997, 500, 355-366.	2.9	15
25	Evolution of skeletal muscle excitation-contraction coupling and the appearance of dihydropyridine-sensitive intramembrane charge movement. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1994, 255, 181-187.	2.6	14
26	Pre- and postsynaptic excitation and inhibition at octopus optic lobe photoreceptor terminals; implications for the function of the presynaptic bags. <i>European Journal of Neuroscience</i> , 2007, 26, 2196-2203.	2.6	14
27	An in vitro model for studying CNS white matter: functional properties and experimental approaches. <i>F1000Research</i> , 2019, 8, 117.	1.6	13
28	Ionic currents in isolated and in situ squid Schwann cells. <i>Journal of Physiology</i> , 2002, 541, 769-778.	2.9	9
29	Morphology of antennular sensors in <i>Clausocalanus furcatus</i> (Copepoda: Calanoida). <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2008, 88, 535-541.	0.8	9
30	Imaging Large Cohorts of Single Ion Channels and Their Activity. <i>Frontiers in Endocrinology</i> , 2013, 4, 114.	3.5	9
31	Ca ²⁺ dynamics in synaptosomes isolated from the squid optic lobe. <i>Journal of Neuroscience Research</i> , 2000, 62, 840-846.	2.9	8
32	Effect of glycine on synaptic transmission at the third order giant synapse of the squids <i>Alloteuthis subulata</i> and <i>Loligo vulgaris</i> . <i>Neuroscience Letters</i> , 2002, 325, 42-46.	2.1	8
33	Differential sensitivity to calciseptine of L-type Ca ²⁺ currents in a lower vertebrate (<i>Scyliorhinus</i>). <i>Journal of Experimental Physiology</i> , 2001, 86, 689-694.	2.0	6
34	Primary cultures of nervous system cells from the larva of the ascidian <i>Ciona intestinalis</i> . <i>Journal of Neuroscience Methods</i> , 2007, 165, 191-197.	2.5	6
35	Zinc Oxide Nanoparticles and Voltage-Gated Human K _v 11.1 Potassium Channels Interact through a Novel Mechanism. <i>Small</i> , 2018, 14, e1703403.	10.0	6
36	Alteration and recovery of appetitive behaviour following nerve section in the starfish <i>Asterias rubens</i> . <i>Behavioural Brain Research</i> , 2005, 164, 36-41.	2.2	5

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37	Ion channels in key marine invertebrates; their diversity and potential for applications in biotechnology. <i>Biotechnology Advances</i> , 2011, 29, 457-467.	11.7	5
38	Evidence for dynamic and multiple roles for huntingtin in <i>Ciona intestinalis</i> . <i>Invertebrate Neuroscience</i> , 2013, 13, 151-165.	1.8	5
39	Coupling between giant axon Schwann cells in the squid. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1996, 263, 667-672.	2.6	2
40	Tunicates: not just little squirts?. , 2015, , 31-33.		0