J Douglas Armstrong

List of Publications by Year
in descending order

44 papers	3,514 citations	257450 24 h-index	254184 43 g-index
48 all docs	48 docs citations	48 times ranked	4456 citing authors

#	Article	IF	Citations
1	A Systematic Nomenclature for the Insect Brain. Neuron, 2014, 81, 755-765.	8.1	564
2	A Neural Circuit Mechanism Integrating Motivational State with Memory Expression in Drosophila. Cell, 2009, 139, 416-427.	28.9	484
3	Sequential Use of Mushroom Body Neuron Subsets during Drosophila Odor Memory Processing. Neuron, 2007, 53, 103-115.	8.1	355
4	Targeted tandem affinity purification of PSD–95 recovers core postsynaptic complexes and schizophrenia susceptibility proteins. Molecular Systems Biology, 2009, 5, 269.	7.2	245
5	Genetic analysis of theDrosophila ellipsoid body neuropil: Organization and development of the central complex. Journal of Neurobiology, 1999, 41, 189-207.	3.6	181
6	Evolutionary expansion and anatomical specialization of synapse proteome complexity. Nature Neuroscience, 2008, 11, 799-806.	14.8	171
7	Metamorphosis of the Mushroom Bodies; Large-Scale Rearrangements of the Neural Substrates for Associative Learning and Memory in <i>Drosophila</i>. Learning and Memory, 1998, 5, 102-114.	1.3	134
8	Assessing mouse behaviour throughout the light/dark cycle using automated in-cage analysis tools. Journal of Neuroscience Methods, 2018, 300, 37-47.	2.5	128
9	The Virtual Fly Brain browser and query interface. Bioinformatics, 2012, 28, 411-415.	4.1	124
10	The proteomes of neurotransmitter receptor complexes form modular networks with distributed functionality underlying plasticity and behaviour. Molecular Systems Biology, 2006, 2, 2006.0023.	7.2	110
11	Early development of the Drosophila mushroom bodies, brain centres for associative learning and memory. Development Genes and Evolution, 1997, 207, 242-252.	0.9	88
12	Analysis of Individual Mouse Activity in Group Housed Animals of Different Inbred Strains using a Novel Automated Home Cage Analysis System. Frontiers in Behavioral Neuroscience, 2016, 10, 106.	2.0	87
13	Consolidation and translation regulation: Figure 1.. Learning and Memory, 2012, 19, 410-422.	1.3	77
14	Proteomic analysis of postsynaptic proteins in regions of the human neocortex. Nature Neuroscience, 2018, 21, 130-138.	14.8	65
15	G2Cdb: the Genes to Cognition database. Nucleic Acids Research, 2009, 37, D846-D851.	14.5	64
16	Automated recording of home cage activity and temperature of individual rats housed in social groups: The Rodent Big Brother project. PLoS ONE, 2017, 12, e0181068.	2.5	64
17	Synapse proteomics of multiprotein complexes: en route from genes to nervous system diseases. Human Molecular Genetics, 2005, 14, R225-R234.	2.9	60
18	Merged consensus clustering to assess and improve class discovery with microarray data. BMC Bioinformatics, 2010, 11, 590.	2.6	59

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19	A Systematic Nomenclature for the Drosophila Ventral Nerve Cord. Neuron, 2020, 107, 1071-1079.e2.	8.1	48
20	A model of non-elemental olfactory learning in Drosophila. Journal of Computational Neuroscience, 2012, 32, 197-212.	1.0	45
21	Regional Diversity in the Postsynaptic Proteome of the Mouse Brain. Proteomes, 2018, 6, 31.	3.5	38
22	Dynamics of Elongation Factor 2 Kinase Regulation in Cortical Neurons in Response to Synaptic Activity. Journal of Neuroscience, 2015, 35, 3034-3047.	3.6	33
23	Towards a quantitative model of the post-synaptic proteome. Molecular BioSystems, 2011, 7, 2813.	2.9	32
24	Synaptic Interactome Mining Reveals p140Cap as a New Hub for PSD Proteins Involved in Psychiatric and Neurological Disorders. Frontiers in Molecular Neuroscience, 2017, 10, 212.	2.9	30
25	BrainTrap: a database of 3D protein expression patterns in the Drosophila brain. Database: the Journal of Biological Databases and Curation, 2010, 2010, baq005.	3.0	23
26	A simulator for spatially extended kappa models. Bioinformatics, 2013, 29, 3105-3106.	4.1	22
27	Dietary Salt Levels Affect Salt Preference and Learning in Larval Drosophila. PLoS ONE, 2011, 6, e20100.	2.5	20
28	Reconstructing protein complexes: From proteomics to systems biology. Proteomics, 2006, 6, 4724-4731.	2.2	18
29	The Effects of EctopicWhiteandTransformerExpression onDrosophilaCourtship Behavior. Journal of Neurogenetics, 2000, 14, 227-243.	1.4	16
30	Towards a virtual fly brain. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 2387-2397.	3.4	16
31	Bio::Homology::InterologWalk - A Perl module to build putative protein-protein interaction networks through interolog mapping. BMC Bioinformatics, 2011, 12, 289.	2.6	16
32	A unified resource and configurable model of the synapse proteome and its role in disease. Scientific Reports, 2021, 11, 9967.	3.3	15
33	Preclinical models of endometriosis and interstitial cystitis/bladder pain syndrome: an Innovative Medicines Initiative-PainCare initiative to improve their value for translational research in pelvic pain. Pain, 2021, 162, 2349-2365.	4.2	14
34	Pharmacological validation of individual animal locomotion, temperature and behavioural analysis in group-housed rats using a novel automated home cage analysis system: A comparison with the modified Irwin test. Journal of Pharmacological and Toxicological Methods, 2018, 94, 1-13.	0.7	12
35	Temporal dissociation of phencyclidine: Induced locomotor and social alterations in rats using an automated homecage monitoring system â€" implications for the 3Rs and preclinical drug discovery. Journal of Psychopharmacology, 2020, 34, 709-715.	4.0	8
36	Dissecting the Shared and Context-Dependent Pathways Mediated by the p140Cap Adaptor Protein in Cancer and in Neurons. Frontiers in Cell and Developmental Biology, 2019, 7, 222.	3.7	7

#	Article	IF	Citations
37	Studies on long term behavioural changes in group-housed rat models of brain and spinal cord injury using an automated home cage recording system. Journal of Neuroscience Methods, 2019, 321, 49-63.	2.5	6
38	Functional characterisation of human synaptic genes expressed in the Drosophila brain. Biology Open, 2016, 5, 662-667.	1.2	4
39	RKappa: Software for Analyzing Rule-Based Models. Methods in Molecular Biology, 2019, 1945, 363-390.	0.9	3
40	RKappa: Statistical Sampling Suite for Kappa Models. Lecture Notes in Computer Science, 2015, , 128-142.	1.3	3
41	Integration of Rule-Based Models and Compartmental Models of Neurons. Lecture Notes in Computer Science, 2015, , 143-158.	1.3	3
42	Rule-based modelling provides an extendable framework for comparing candidate mechanisms underpinning clathrin polymerisation. Scientific Reports, 2018, 8, 5658.	3.3	2
43	Evolution of the Cognitive Proteome: From Static to Dynamic Network Models. Advances in Experimental Medicine and Biology, 2012, 736, 119-134.	1.6	1
44	Reconstructing Models from Proteomics Data. , 2012, , 23-80.		0