

# J Douglas Armstrong

## List of Publications by Year in descending order

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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	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. <i>Pain</i> , 2021, 162, 2349-2365.	4.2	14
2	A unified resource and configurable model of the synapse proteome and its role in disease. <i>Scientific Reports</i> , 2021, 11, 9967.	3.3	15
3	A Systematic Nomenclature for the Drosophila Ventral Nerve Cord. <i>Neuron</i> , 2020, 107, 1071-1079.e2.	8.1	48
4	Temporal dissociation of phencyclidine: Induced locomotor and social alterations in rats using an automated homecage monitoring system – implications for the 3Rs and preclinical drug discovery. <i>Journal of Psychopharmacology</i> , 2020, 34, 709-715.	4.0	8
5	Dissecting the Shared and Context-Dependent Pathways Mediated by the p140Cap Adaptor Protein in Cancer and in Neurons. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 222.	3.7	7
6	RKappa: Software for Analyzing Rule-Based Models. <i>Methods in Molecular Biology</i> , 2019, 1945, 363-390.	0.9	3
7	Studies on long term behavioural changes in group-housed rat models of brain and spinal cord injury using an automated home cage recording system. <i>Journal of Neuroscience Methods</i> , 2019, 321, 49-63.	2.5	6
8	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. <i>Journal of Pharmacological and Toxicological Methods</i> , 2018, 94, 1-13.	0.7	12
9	Rule-based modelling provides an extendable framework for comparing candidate mechanisms underpinning clathrin polymerisation. <i>Scientific Reports</i> , 2018, 8, 5658.	3.3	2
10	Assessing mouse behaviour throughout the light/dark cycle using automated in-cage analysis tools. <i>Journal of Neuroscience Methods</i> , 2018, 300, 37-47.	2.5	128
11	Proteomic analysis of postsynaptic proteins in regions of the human neocortex. <i>Nature Neuroscience</i> , 2018, 21, 130-138.	14.8	65
12	Regional Diversity in the Postsynaptic Proteome of the Mouse Brain. <i>Proteomes</i> , 2018, 6, 31.	3.5	38
13	Synaptic Interactome Mining Reveals p140Cap as a New Hub for PSD Proteins Involved in Psychiatric and Neurological Disorders. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 212.	2.9	30
14	Automated recording of home cage activity and temperature of individual rats housed in social groups: The Rodent Big Brother project. <i>PLoS ONE</i> , 2017, 12, e0181068.	2.5	64
15	Analysis of Individual Mouse Activity in Group Housed Animals of Different Inbred Strains using a Novel Automated Home Cage Analysis System. <i>Frontiers in Behavioral Neuroscience</i> , 2016, 10, 106.	2.0	87
16	Functional characterisation of human synaptic genes expressed in the Drosophila brain. <i>Biology Open</i> , 2016, 5, 662-667.	1.2	4
17	Dynamics of Elongation Factor 2 Kinase Regulation in Cortical Neurons in Response to Synaptic Activity. <i>Journal of Neuroscience</i> , 2015, 35, 3034-3047.	3.6	33
18	RKappa: Statistical Sampling Suite for Kappa Models. <i>Lecture Notes in Computer Science</i> , 2015, , 128-142.	1.3	3

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19	Integration of Rule-Based Models and Compartmental Models of Neurons. Lecture Notes in Computer Science, 2015, , 143-158.	1.3	3
20	A Systematic Nomenclature for the Insect Brain. Neuron, 2014, 81, 755-765.	8.1	564
21	A simulator for spatially extended kappa models. Bioinformatics, 2013, 29, 3105-3106.	4.1	22
22	Consolidation and translation regulation: Figure 1.. Learning and Memory, 2012, 19, 410-422.	1.3	77
23	The Virtual Fly Brain browser and query interface. Bioinformatics, 2012, 28, 411-415.	4.1	124
24	Reconstructing Models from Proteomics Data. , 2012, , 23-80.		0
25	A model of non-elemental olfactory learning in Drosophila. Journal of Computational Neuroscience, 2012, 32, 197-212.	1.0	45
26	Evolution of the Cognitive Proteome: From Static to Dynamic Network Models. Advances in Experimental Medicine and Biology, 2012, 736, 119-134.	1.6	1
27	Towards a quantitative model of the post-synaptic proteome. Molecular BioSystems, 2011, 7, 2813.	2.9	32
28	Dietary Salt Levels Affect Salt Preference and Learning in Larval Drosophila. PLoS ONE, 2011, 6, e20100.	2.5	20
29	Bio::Homology::InterologWalk - A Perl module to build putative protein-protein interaction networks through interolog mapping. BMC Bioinformatics, 2011, 12, 289.	2.6	16
30	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
31	Merged consensus clustering to assess and improve class discovery with microarray data. BMC Bioinformatics, 2010, 11, 590.	2.6	59
32	Targeted tandem affinity purification of PSD-95 recovers core postsynaptic complexes and schizophrenia susceptibility proteins. Molecular Systems Biology, 2009, 5, 269.	7.2	245
33	G2Cdb: the Genes to Cognition database. Nucleic Acids Research, 2009, 37, D846-D851.	14.5	64
34	A Neural Circuit Mechanism Integrating Motivational State with Memory Expression in Drosophila. Cell, 2009, 139, 416-427.	28.9	484
35	Towards a virtual fly brain. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 2387-2397.	3.4	16
36	Evolutionary expansion and anatomical specialization of synapse proteome complexity. Nature Neuroscience, 2008, 11, 799-806.	14.8	171

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37	Sequential Use of Mushroom Body Neuron Subsets during <i>Drosophila</i> Odor Memory Processing. <i>Neuron</i> , 2007, 53, 103-115.	8.1	355
38	The proteomes of neurotransmitter receptor complexes form modular networks with distributed functionality underlying plasticity and behaviour. <i>Molecular Systems Biology</i> , 2006, 2, 2006.0023.	7.2	110
39	Reconstructing protein complexes: From proteomics to systems biology. <i>Proteomics</i> , 2006, 6, 4724-4731.	2.2	18
40	Synapse proteomics of multiprotein complexes: en route from genes to nervous system diseases. <i>Human Molecular Genetics</i> , 2005, 14, R225-R234.	2.9	60
41	The Effects of Ectopic White and Transformer Expression on <i>Drosophila</i> Courtship Behavior. <i>Journal of Neurogenetics</i> , 2000, 14, 227-243.	1.4	16
42	Genetic analysis of the <i>Drosophila</i> ellipsoid body neuropil: Organization and development of the central complex. <i>Journal of Neurobiology</i> , 1999, 41, 189-207.	3.6	181
43	Metamorphosis of the Mushroom Bodies; Large-Scale Rearrangements of the Neural Substrates for Associative Learning and Memory in <i>Drosophila</i> . <i>Learning and Memory</i> , 1998, 5, 102-114.	1.3	134
44	Early development of the <i>Drosophila</i> mushroom bodies, brain centres for associative learning and memory. <i>Development Genes and Evolution</i> , 1997, 207, 242-252.	0.9	88