

Mani Ramaswami

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94
papers

4,633
citations

38
h-index

67
g-index

126
ext. papers

5,327
ext. citations

8.4
avg, IF

5.38
L-index

#	Paper	IF	Citations
94	Altered ribostasis: RNA-protein granules in degenerative disorders. <i>Cell</i> , 2013 , 154, 727-36	56.2	423
93	Staufen- and FMRP-containing neuronal RNPs are structurally and functionally related to somatic P bodies. <i>Neuron</i> , 2006 , 52, 997-1009	13.9	295
92	A genome-wide resource for the analysis of protein localisation in Drosophila. <i>ELife</i> , 2016 , 5, e12068	8.9	193
91	The Drosophila easily shocked gene: a mutation in a phospholipid synthetic pathway causes seizure, neuronal failure, and paralysis. <i>Cell</i> , 1994 , 79, 23-33	56.2	180
90	Intermediates in synaptic vesicle recycling revealed by optical imaging of Drosophila neuromuscular junctions. <i>Neuron</i> , 1994 , 13, 363-75	13.9	174
89	Traffic of dynamin within individual Drosophila synaptic boutons relative to compartment-specific markers. <i>Journal of Neuroscience</i> , 1996 , 16, 5443-56	6.6	152
88	Not just pretty eyes: Drosophila eye-colour mutations and lysosomal delivery. <i>Trends in Cell Biology</i> , 1998 , 8, 257-9	18.3	142
87	Plasticity of local GABAergic interneurons drives olfactory habituation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, E646-54	11.5	140
86	AP-1 functions upstream of CREB to control synaptic plasticity in Drosophila. <i>Nature</i> , 2002 , 416, 870-4	50.4	139
85	Nucleoside diphosphate kinase, a source of GTP, is required for dynamin-dependent synaptic vesicle recycling. <i>Neuron</i> , 2001 , 30, 197-210	13.9	133
84	The translational repressor Pumilio regulates presynaptic morphology and controls postsynaptic accumulation of translation factor eIF-4E. <i>Neuron</i> , 2004 , 44, 663-76	13.9	124
83	The Ataxin-2 protein is required for microRNA function and synapse-specific long-term olfactory habituation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, E655-62	11.5	118
82	Synaptic localization and restricted diffusion of a Drosophila neuronal synaptobrevin-green fluorescent protein chimera in vivo. <i>Journal of Neurogenetics</i> , 2000 , 13, 233-55	1.6	113
81	Network plasticity in adaptive filtering and behavioral habituation. <i>Neuron</i> , 2014 , 82, 1216-29	13.9	108
80	Leucine-zipper motif update. <i>Nature</i> , 1989 , 340, 103-4	50.4	89
79	The DEAD-box RNA helicase Ded1p affects and accumulates in <i>Saccharomyces cerevisiae</i> P-bodies. <i>Molecular Biology of the Cell</i> , 2008 , 19, 984-93	3.5	79
78	Correction: Fly model causes neurological rethink. <i>ELife</i> , 2,	8.9	78

77	FMRP and Ataxin-2 function together in long-term olfactory habituation and neuronal translational control. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E99-E108	11.5	77
76	Structural and functional changes in the olfactory pathway of adult <i>Drosophila</i> take place at a critical age. <i>Journal of Neurobiology</i> , 2003 , 56, 13-23		75
75	nalyot, a mutation of the <i>Drosophila</i> myb-related Adf1 transcription factor, disrupts synapse formation and olfactory memory. <i>Neuron</i> , 2000 , 27, 145-58	13.9	65
74	Human potassium channel genes: Molecular cloning and functional expression. <i>Molecular and Cellular Neurosciences</i> , 1990 , 1, 214-23	4.8	65
73	RNP-Granule Assembly via Ataxin-2 Disordered Domains Is Required for Long-Term Memory and Neurodegeneration. <i>Neuron</i> , 2018 , 98, 754-766.e4	13.9	65
72	GLD2 poly(A) polymerase is required for long-term memory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 14644-9	11.5	64
71	Analysis of conditional paralytic mutants in <i>Drosophila</i> sarco-endoplasmic reticulum calcium ATPase reveals novel mechanisms for regulating membrane excitability. <i>Genetics</i> , 2005 , 169, 737-50	4	61
70	An internal GAP domain negatively regulates presynaptic dynamin in vivo: a two-step model for dynamin function. <i>Journal of Cell Biology</i> , 2005 , 169, 117-26	7.3	55
69	<i>Drosophila</i> stoned proteins regulate the rate and fidelity of synaptic vesicle internalization. <i>Journal of Neuroscience</i> , 2001 , 21, 3034-44	6.6	54
68	Inhibitory engrams in perception and memory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 6666-6674	11.5	53
67	Genetic studies on dynamin function in <i>Drosophila</i> . <i>Journal of Neurogenetics</i> , 1993 , 9, 73-87	1.6	52
66	Retrograde regulation in the CNS; neuron-specific interpretations of TGF-beta signaling. <i>Neuron</i> , 2004 , 41, 845-8	13.9	51
65	The products of the <i>Drosophila</i> stoned locus interact with synaptic vesicles via synaptotagmin. <i>Journal of Neuroscience</i> , 2000 , 20, 8254-61	6.6	50
64	Neuronal activity and Wnt signaling act through Gsk3-beta to regulate axonal integrity in mature <i>Drosophila</i> olfactory sensory neurons. <i>Development (Cambridge)</i> , 2009 , 136, 1273-82	6.6	49
63	Central synaptic mechanisms underlie short-term olfactory habituation in <i>Drosophila</i> larvae. <i>Learning and Memory</i> , 2010 , 17, 645-53	2.8	46
62	Social communication of predator-induced changes in <i>Drosophila</i> behavior and germ line physiology. <i>ELife</i> , 2015 , 4,	8.9	46
61	Distinct roles for N-ethylmaleimide-sensitive fusion protein (NSF) suggested by the identification of a second <i>Drosophila</i> NSF homolog. <i>Journal of Biological Chemistry</i> , 1995 , 270, 18742-4	5.4	45
60	Repression of Pumilio Protein Expression by Rbfox1 Promotes Germ Cell Differentiation. <i>Developmental Cell</i> , 2016 , 36, 562-71	10.2	42

59	Conditional mutations in SERCA, the Sarco-endoplasmic reticulum Ca ²⁺ -ATPase, alter heart rate and rhythmicity in <i>Drosophila</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2006 , 176, 253-63	2.2	41
58	Evidence for cell autonomous AP1 function in regulation of <i>Drosophila</i> motor-neuron plasticity. <i>BMC Neuroscience</i> , 2003 , 4, 20	3.2	41
57	Normal dendrite growth in <i>Drosophila</i> motor neurons requires the AP-1 transcription factor. <i>Developmental Neurobiology</i> , 2008 , 68, 1225-42	3.2	39
56	Syndapin promotes formation of a postsynaptic membrane system in <i>Drosophila</i> . <i>Molecular Biology of the Cell</i> , 2009 , 20, 2254-64	3.5	38
55	A product of the <i>Drosophila</i> stoned locus regulates neurotransmitter release. <i>Journal of Neuroscience</i> , 1998 , 18, 9638-49	6.6	37
54	Gene dosage in the dysbindin schizophrenia susceptibility network differentially affect synaptic function and plasticity. <i>Journal of Neuroscience</i> , 2015 , 35, 325-38	6.6	35
53	Plasticity of recurrent inhibition in the <i>Drosophila</i> antennal lobe. <i>Journal of Neuroscience</i> , 2012 , 32, 7225-31	6.6	35
52	Probable mechanisms underlying interallelic complementation and temperature-sensitivity of mutations at the shibire locus of <i>Drosophila melanogaster</i> . <i>Genetics</i> , 1998 , 149, 1019-30	4	35
51	A novel paradigm for nonassociative long-term memory in <i>Drosophila</i> : predator-induced changes in oviposition behavior. <i>Genetics</i> , 2015 , 199, 1143-57	4	33
50	Genetic modifiers of dFMR1 encode RNA granule components in <i>Drosophila</i> . <i>Genetics</i> , 2009 , 182, 1051-60	4	30
49	Sodium channel modulating activity in a delta-conotoxin from an Indian marine snail. <i>FEBS Letters</i> , 2003 , 553, 209-12	3.8	30
48	Synaptic and genomic responses to JNK and AP-1 signaling in <i>Drosophila</i> neurons. <i>BMC Neuroscience</i> , 2005 , 6, 39	3.2	30
47	Synapsin function in GABA-ergic interneurons is required for short-term olfactory habituation. <i>Journal of Neuroscience</i> , 2013 , 33, 16576-85	6.6	29
46	A temperature-sensitive allele of <i>Drosophila</i> sesB reveals acute functions for the mitochondrial adenine nucleotide translocase in synaptic transmission and dynamin regulation. <i>Genetics</i> , 2003 , 165, 1243-53	4	29
45	The ups and downs of daily life: profiling circadian gene expression in <i>Drosophila</i> . <i>BioEssays</i> , 2002 , 24, 494-8	4.1	27
44	Long-term memory consolidation: The role of RNA-binding proteins with prion-like domains. <i>RNA Biology</i> , 2017 , 14, 568-586	4.8	26
43	The Me31B DEAD-Box Helicase Localizes to Postsynaptic Foci and Regulates Expression of a CaMKII Reporter mRNA in Dendrites of <i>Drosophila</i> Olfactory Projection Neurons. <i>Frontiers in Neural Circuits</i> , 2010 , 4, 121	3.5	26
42	<i>Drosophila</i> endosomal proteins hook and deep orange regulate synapse size but not synaptic vesicle recycling. <i>Journal of Neurobiology</i> , 2000 , 45, 105-19		26

41	Fos and Jun potentiate individual release sites and mobilize the reserve synaptic vesicle pool at the Drosophila larval motor synapse. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 4000-5	11.5	25
40	Syndapin is dispensable for synaptic vesicle endocytosis at the Drosophila larval neuromuscular junction. <i>Molecular and Cellular Neurosciences</i> , 2009 , 40, 234-41	4.8	25
39	Novel peptides of therapeutic promise from Indian Conidae. <i>Annals of the New York Academy of Sciences</i> , 2005 , 1056, 462-73	6.5	24
38	Olfactory habituation in Drosophila-odor encoding and its plasticity in the antennal lobe. <i>Progress in Brain Research</i> , 2014 , 208, 3-38	2.9	21
37	P-body components, microRNA regulation, and synaptic plasticity. <i>Scientific World Journal, The</i> , 2007 , 7, 178-90	2.2	20
36	Functional dissection of a eukaryotic dicistronic gene: transgenic stonedB, but not stonedA, restores normal synaptic properties to Drosophila stoned mutants. <i>Genetics</i> , 2003 , 165, 185-96	4	20
35	The conserved P body component HPat/Pat1 negatively regulates synaptic terminal growth at the larval Drosophila neuromuscular junction. <i>Journal of Cell Science</i> , 2012 , 125, 6105-16	5.3	19
34	Is NMDA receptor-coincidence detection required for learning and memory?. <i>Neuron</i> , 2012 , 74, 767-9	13.9	18
33	Gustatory habituation in Drosophila relies on rutabaga (adenylate cyclase)-dependent plasticity of GABAergic inhibitory neurons. <i>Learning and Memory</i> , 2012 , 19, 627-35	2.8	16
32	Regulation of dynamin by nucleoside diphosphate kinase. <i>Journal of Bioenergetics and Biomembranes</i> , 2003 , 35, 49-55	3.7	14
31	The Long 3'UTR mRNA of Is Essential for Translation-Dependent Plasticity of Spontaneous Release in. <i>Journal of Neuroscience</i> , 2017 , 37, 10554-10566	6.6	13
30	Endocytosis in Drosophila: progress, possibilities, prognostications. <i>Experimental Cell Research</i> , 2001 , 271, 28-35	4.2	13
29	A new genetic model of activity-induced Ras signaling dependent pre-synaptic plasticity in Drosophila. <i>Brain Research</i> , 2010 , 1326, 15-29	3.7	12
28	A simple method for statistical analysis of intensity differences in microarray-derived gene expression data. <i>BMC Biotechnology</i> , 2001 , 1, 8	3.5	12
27	Functional analysis of dynamin isoforms in Drosophila melanogaster. <i>Journal of Neurogenetics</i> , 1999 , 13, 119-43	1.6	12
26	Stoned. <i>Traffic</i> , 2010 , 11, 16-24	5.7	11
25	Spinsters, synaptic defects, and amaurotic idiocy. <i>Neuron</i> , 2002 , 36, 335-8	13.9	10
24	A genetic and mosaic analysis of a locus involved in the anesthesia response of Drosophila melanogaster. <i>Genetics</i> , 1997 , 147, 701-12	4	10

23	Alleviation of the temperature-sensitive paralytic phenotype of shibire(ts) mutants in Drosophila by sub-anesthetic concentrations of carbon dioxide. <i>Journal of Neurogenetics</i> , 1996 , 10, 221-38	1.6	9
22	Vesicle recycling at the Drosophila neuromuscular junction. <i>International Review of Neurobiology</i> , 1999 , 43, 163-89	4.4	7
21	σ-Adaptin Facilitates Basal Synaptic Transmission and Is Required for Regenerating Endo-Exo Cycling Pool Under High-Frequency Nerve Stimulation in Drosophila. <i>Genetics</i> , 2016 , 203, 369-85	4	6
20	Glomerulus-Selective Regulation of a Critical Period for Interneuron Plasticity in the Antennal Lobe. <i>Journal of Neuroscience</i> , 2020 , 40, 5549-5560	6.6	5
19	Identification and structural characterization of interneurons of the Drosophila brain by monoclonal antibodies of the w ¹¹¹⁸ hybridoma library. <i>PLoS ONE</i> , 2013 , 8, e75420	3.7	4
18	Activity-dependent regulation of transcription during development of synapses. <i>International Review of Neurobiology</i> , 2006 , 75, 287-305	4.4	4
17	Antagonistic roles for Ataxin-2 structured and disordered domains in RNP condensation. <i>ELife</i> , 2021 , 10,	8.9	4
16	Implications of the null mutation for synapsin phosphorylation, longevity, climbing proficiency and behavioural plasticity in adult. <i>Journal of Experimental Biology</i> , 2019 , 222,	3	3
15	Gaussian mixtures for intensity modeling of spots in microscopy 2010 ,		2
14	Kissing and pinching: synaptotagmin and calcium do more between bilayers. <i>Neuron</i> , 2006 , 50, 3-5	13.9	2
13	Inhibitory engrams in perception and memory		2
12	Gaussian mixture models for spots in microscopy using a new split/merge em algorithm 2010 ,		1
11	Obaid Siddiqi at 80 and neurogenetics in India. <i>Journal of Neurogenetics</i> , 2012 , 26, 255-6	1.6	1
10	Specifying the age-sensitive component of a short-term memory. <i>Neuron</i> , 2003 , 40, 877-9	13.9	1
9	A C-terminal ataxin-2 disordered region promotes Huntingtin protein aggregation and neurodegeneration in Drosophila models of Huntington's disease. <i>G3: Genes, Genomes, Genetics</i> , 2021 , 11,	3.2	1
8	The Neurohumanities: An Emerging Partnership for Exploring the Human Experience. <i>Neuron</i> , 2020 , 108, 590-593	13.9	1
7	The Making of Long-Lasting Memories: A Fruit Fly Perspective. <i>Frontiers in Behavioral Neuroscience</i> , 2021 , 15, 662129	3.5	1
6	Learning and memory: Clashing engrams in the fly brain. <i>Current Biology</i> , 2021 , 31, R1009-R1011	6.3	1

5	The Transcriptional Response to Oxidative Stress is Independent of Stress-Granule Formation.. <i>Molecular Biology of the Cell</i> , 2022 , mbcE21080418	3.5	o
4	Preface: the genetics and epigenetics of addiction. <i>Journal of Neurogenetics</i> , 2009 , 23, 251	1.6	
3	How carrots and sticks are encoded in the brain: Motivation, reward, addiction and fear. <i>Journal of Biosciences</i> , 1998 , 23, 163-164	2.3	
2	Fly model causes neurological rethink. <i>ELife</i> , 2013 , 2, e01820	8.9	
1	Impaired inhibitory processing: a new therapeutic target for autism and psychosis?. <i>British Journal of Psychiatry</i> , 2020 , 1-4	5.4	