Mani Ramaswami

List of Publications by Year
in descending order

96 papers	5,688 citations	81743 39 h-index	88477 70 g-index
126 all docs	126 docs citations	126 times ranked	6731 citing authors

#	Article	IF	Citations
1	Altered Ribostasis: RNA-Protein Granules in Degenerative Disorders. Cell, 2013, 154, 727-736.	13.5	543
2	Staufen- and FMRP-Containing Neuronal RNPs Are Structurally and Functionally Related to Somatic P Bodies. Neuron, 2006, 52, 997-1009.	3.8	328
3	A genome-wide resource for the analysis of protein localisation in Drosophila. ELife, 2016, 5, e12068.	2.8	315
4	The Drosophila easily shocked gene: A mutation in a phospholipid synthetic pathway causes seizure, neuronal failure, and paralysis. Cell, 1994, 79, 23-33.	13.5	201
5	Plasticity of local GABAergic interneurons drives olfactory habituation. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E646-54.	3.3	188
6	Intermediates in synaptic vesicle recycling revealed by optical imaging of Drosophila neuromuscular junctions. Neuron, 1994, 13, 363-375.	3.8	186
7	Traffic of Dynamin within IndividualDrosophilaSynaptic Boutons Relative to Compartment-Specific Markers. Journal of Neuroscience, 1996, 16, 5443-5456.	1.7	168
8	Not just pretty eyes: Drosophila eye-colour mutations and lysosomal delivery. Trends in Cell Biology, 1998, 8, 257-259.	3.6	162
9	AP-1 functions upstream of CREB to control synaptic plasticity in Drosophila. Nature, 2002, 416, 870-874.	13.7	156
10	Network Plasticity in Adaptive Filtering and Behavioral Habituation. Neuron, 2014, 82, 1216-1229.	3.8	156
11	The Ataxin-2 protein is required for microRNA function and synapse-specific long-term olfactory habituation. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E655-62.	3.3	146
12	Nucleoside Diphosphate Kinase, a Source of GTP, Is Required for Dynamin-Dependent Synaptic Vesicle Recycling. Neuron, 2001, 30, 197-210.	3.8	145
13	The Translational Repressor Pumilio Regulates Presynaptic Morphology and Controls Postsynaptic Accumulation of Translation Factor eIF-4E. Neuron, 2004, 44, 663-676.	3.8	143
14	Synaptic Localization and Restricted Diffusion of aDrosophilaNeuronal Synaptobrevin - Green Fluorescent Protein Chimerain Vivo. Journal of Neurogenetics, 2000, 13, 233-255.	0.6	120
15	The DEAD-Box RNA Helicase Ded1p Affects and Accumulates inSaccharomyces cerevisiaeP-Bodies. Molecular Biology of the Cell, 2008, 19, 984-993.	0.9	109
16	FMRP and Ataxin-2 function together in long-term olfactory habituation and neuronal translational control. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E99-E108.	3.3	108
17	Inhibitory engrams in perception and memory. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6666-6674.	3.3	107
18	Leucine-zipper motif update. Nature, 1989, 340, 103-103.	13.7	104

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19	RNP-Granule Assembly via Ataxin-2 Disordered Domains Is Required for Long-Term Memory and Neurodegeneration. Neuron, 2018, 98, 754-766.e4.	3.8	98
20	Structural and functional changes in the olfactory pathway of adultDrosophilatake place at a critical age. Journal of Neurobiology, 2003, 56, 13-23.	3.7	92
21	Repression of Pumilio Protein Expression by Rbfox1 Promotes Germ Cell Differentiation. Developmental Cell, 2016, 36, 562-571.	3.1	84
22	Neuronal activity and Wnt signaling act through Gsk3-Î² to regulate axonal integrity in matureDrosophilaolfactory sensory neurons. Development (Cambridge), 2009, 136, 1273-1282.	1.2	74
23	nalyot, a Mutation of the Drosophila Myb-Related Adf1 Transcription Factor, Disrupts Synapse Formation and Olfactory Memory. Neuron, 2000, 27, 145-158.	3.8	71
24	Social communication of predator-induced changes in Drosophila behavior and germ line physiology. ELife, 2015, 4, .	2.8	71
25	Analysis of Conditional Paralytic Mutants in Drosophila Sarco-Endoplasmic Reticulum Calcium ATPase Reveals Novel Mechanisms for Regulating Membrane Excitability. Genetics, 2005, 169, 737-750.	1.2	70
26	GLD2 poly(A) polymerase is required for long-term memory. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 14644-14649.	3.3	70
27	Human potassium channel genes: Molecular cloning and functional expression. Molecular and Cellular Neurosciences, 1990, 1, 214-223.	1.0	68
28	An internal GAP domain negatively regulates presynaptic dynamin in vivo. Journal of Cell Biology, 2005, 169, 117-126.	2.3	61
29	Genetic Studies on Dynamin Function inDrosophila. Journal of Neurogenetics, 1993, 9, 73-87.	0.6	60
30	DrosophilaStoned Proteins Regulate the Rate and Fidelity of Synaptic Vesicle Internalization. Journal of Neuroscience, 2001, 21, 3034-3044.	1.7	56
31	Distinct Roles for N-Ethylmaleimide-sensitive Fusion Protein (NSF) Suggested by the Identification of a Second Drosophila NSF Homolog. Journal of Biological Chemistry, 1995, 270, 18742-18744.	1.6	55
32	Retrograde Regulation in the CNS. Neuron, 2004, 41, 845-848.	3.8	54
33	Central synaptic mechanisms underlie short-term olfactory habituation in Drosophila larvae. Learning and Memory, 2010, 17, 645-653.	0.5	54
34	The Products of theDrosophila stonedLocus Interact with Synaptic Vesicles via Synaptotagmin. Journal of Neuroscience, 2000, 20, 8254-8261.	1.7	51
35	Normal dendrite growth in Drosophila motor neurons requires the APâ€1 transcription factor. Developmental Neurobiology, 2008, 68, 1225-1242.	1.5	49
36	Plasticity of Recurrent Inhibition in theDrosophilaAntennal Lobe. Journal of Neuroscience, 2012, 32, 7225-7231.	1.7	48

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37	Evidence for cell autonomous AP1 function in regulation of Drosophila motor-neuron plasticity. BMC Neuroscience, 2003, 4, 20.	0.8	45
38	Conditional mutations in SERCA, the Sarco-endoplasmic reticulum Ca2+-ATPase, alter heart rate and rhythmicity in Drosophila. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2006, 176, 253-263.	0.7	45
39	Syndapin Promotes Formation of a Postsynaptic Membrane System in Drosophila. Molecular Biology of the Cell, 2009, 20, 2254-2264.	0.9	43
40	Gene Dosage in the Dysbindin Schizophrenia Susceptibility Network Differentially Affect Synaptic Function and Plasticity. Journal of Neuroscience, 2015, 35, 325-338.	1.7	43
41	A Product of theDrosophila stonedLocus Regulates Neurotransmitter Release. Journal of Neuroscience, 1998, 18, 9638-9649.	1.7	40
42	A Novel Paradigm for Nonassociative Long-Term Memory inDrosophila: Predator-Induced Changes in Oviposition Behavior. Genetics, 2015, 199, 1143-1157.	1.2	40
43	Long-term memory consolidation: The role of RNA-binding proteins with prion-like domains. RNA Biology, 2017, 14, 568-586.	1.5	39
44	Probable Mechanisms Underlying Interallelic Complementation and Temperature-Sensitivity of Mutations at the shibire Locus of Drosophila melanogaster. Genetics, 1998, 149, 1019-1030.	1.2	38
45	Synaptic and genomic responses to JNK and AP-1 signaling in Drosophila neurons. BMC Neuroscience, 2005, 6, 39.	0.8	36
46	Synapsin Function in GABA-ergic Interneurons Is Required for Short-Term Olfactory Habituation. Journal of Neuroscience, 2013, 33, 16576-16585.	1.7	36
47	Sodium channel modulating activity in a Î´-conotoxin from an Indian marine snail. FEBS Letters, 2003, 553, 209-212.	1.3	34
48	The Me31B DEAD-Box Helicase Localizes to Postsynaptic Foci and Regulates Expression of a CaMKII Reporter mRNA in Dendrites of Drosophila Olfactory Projection Neurons. Frontiers in Neural Circuits, 2010, 4, 121.	1.4	34
49	Olfactory Habituation in Drosophilaâ€"Odor Encoding and its Plasticity in the Antennal Lobe. Progress in Brain Research, 2014, 208, 3-38.	0.9	34
50	A Temperature-Sensitive Allele of Drosophila sesB Reveals Acute Functions for the Mitochondrial Adenine Nucleotide Translocase in Synaptic Transmission and Dynamin Regulation. Genetics, 2003, 165, 1243-1253.	1.2	33
51	Genetic Modifiers ofdFMR1Encode RNA Granule Components in Drosophila. Genetics, 2009, 182, 1051-1060.	1.2	32
52	Gustatory habituation in Drosophila relies on rutabaga (adenylate cyclase)-dependent plasticity of GABAergic inhibitory neurons. Learning and Memory, 2012, 19, 627-635.	0.5	31
53	Fos and Jun potentiate individual release sites and mobilize the reserve synaptic-vesicle pool at the Drosophila larval motor synapse. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 4000-4005.	3.3	29
54	Syndapin is dispensable for synaptic vesicle endocytosis at the Drosophila larval neuromuscular junction. Molecular and Cellular Neurosciences, 2009, 40, 234-241.	1.0	29

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55	Drosophila endosomal proteins hook and deep orange regulate synapse size but not synaptic vesicle recycling. Journal of Neurobiology, 2000, 45, 105-119.	3.7	28
56	The ups and downs of daily life: Profiling circadian gene expression inDrosophila. BioEssays, 2002, 24, 494-498.	1.2	28
57	Novel Peptides of Therapeutic Promise from Indian Conidae. Annals of the New York Academy of Sciences, 2005, 1056, 462-473.	1.8	27
58	P-Body Components, microRNA Regulation, and Synaptic Plasticity. Scientific World Journal, The, 2007, 7, 178-190.	0.8	26
59	Is NMDA Receptor-Coincidence Detection Required for Learning and Memory?. Neuron, 2012, 74, 767-769.	3.8	25
60	The Long 3â€²UTR mRNA of CaMKII Is Essential for Translation-Dependent Plasticity of Spontaneous Release in Drosophila melanogaster. Journal of Neuroscience, 2017, 37, 10554-10566.	1.7	24
61	The conserved P body component HPat/Pat1 negatively regulates synaptic terminal growth at the larval Drosophila neuromuscular junction. Journal of Cell Science, 2012, 125, 6105-6116.	1.2	22
62	Ïƒ2-Adaptin Facilitates Basal Synaptic Transmission and Is Required for Regenerating Endo-Exo Cycling Pool Under High-Frequency Nerve Stimulation in Drosophila. Genetics, 2016, 203, 369-385.	1.2	22
63	Functional Dissection of a Eukaryotic Dicistronic Gene: Transgenic stonedB, but Not stonedA, Restores Normal Synaptic Properties to Drosophila stoned Mutants. Genetics, 2003, 165, 185-196.	1.2	22
64	A simple method for statistical analysis of intensity differences in microarray-derived gene expression data. , 2001, 1, 8.		21
65	Regulation of dynamin by nucleoside diphosphate kinase. Journal of Bioenergetics and Biomembranes, 2003, 35, 49-55.	1.0	17
66	Antagonistic roles for Ataxin-2 structured and disordered domains in RNP condensation. ELife, 2021, 10, .	2.8	17
67	Functional Analysis of Dynamin Isoforms in Drosophila Melanogaster. Journal of Neurogenetics, 1999, 13, 119-143.	0.6	14
68	Endocytosis in Drosophila: Progress, Possibilities, Prognostications. Experimental Cell Research, 2001, 271, 28-35.	1.2	14
69	A Genetic and Mosaic Analysis of a Locus Involved in the Anesthesia Response of Drosophila melanogaster. Genetics, 1997, 147, 701-712.	1.2	14
70	A new genetic model of activity-induced Ras signaling dependent pre-synaptic plasticity in Drosophila. Brain Research, 2010, 1326, 15-29.	1.1	13
71	Glomerulus-Selective Regulation of a Critical Period for Interneuron Plasticity in the Drosophila Antennal Lobe. Journal of Neuroscience, 2020, 40, 5549-5560.	1.7	13
72	Stoned. Traffic, 2010, 11, 16-24.	1.3	12

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73	Spinsters, Synaptic Defects, and Amaurotic Idiocy. Neuron, 2002, 36, 335-338.	3.8	11
74	The Making of Long-Lasting Memories: A Fruit Fly Perspective. Frontiers in Behavioral Neuroscience, 2021, 15, 662129.	1.0	10
75	Alleviation of the Temperature-Sensitive Paralytic Phenotype ofShibire^{TS}Mutants inDrosophilaby Sub-Anesthetic Concentrations of Carbon Dioxide. Journal of Neurogenetics, 1996, 10, 221-238.	0.6	9
76	Vesicle Recycling at the Drosophila Neuromuscular Junction. International Review of Neurobiology, 1999, 43, 163-189.	0.9	8
77	The Neurohumanities: An Emerging Partnership for Exploring the Human Experience. Neuron, 2020, 108, 590-593.	3.8	6
78	Local translation provides the asymmetric distribution of CaMKII required for associative memory formation. Current Biology, 2022, 32, 2730-2738.e5.	1.8	6
79	Implications of the Sap47 null mutation for synapsin phosphorylation, longevity, climbing, and behavioural plasticity in adult Drosophila. Journal of Experimental Biology, 2019, 222, .	0.8	5
80	Activityâ€Dependent Regulation of Transcription During Development of Synapses. International Review of Neurobiology, 2006, 75, 287-305.	0.9	4
81	Gaussian mixtures for intensity modeling of spots in microscopy. , 2010, , .		4
82	Identification and Structural Characterization of Interneurons of the Drosophila Brain by Monoclonal Antibodies of the WÃ¼rzburg Hybridoma Library. PLoS ONE, 2013, 8, e75420.	1.1	4
83	The transcriptional response to oxidative stress is independent of stress-granule formation. Molecular Biology of the Cell, 2022, 33, mbcE21080418.	0.9	4
84	ADrosophilaCircuit for Habituation Override. Journal of Neuroscience, 2022, 42, 2930-2941.	1.7	4
85	Gaussian mixture models for spots in microscopy using a new split/merge em algorithm. , 2010, , .		3
86	A C-terminal ataxin-2 disordered region promotes Huntingtin protein aggregation and neurodegeneration in Drosophila models of Huntingtonâ€™s disease. G3: Genes, Genomes, Genetics, 2021, 11, .	0.8	3
87	Specifying the Age-Sensitive Component of a Short-Term Memory. Neuron, 2003, 40, 877-879.	3.8	2
88	Kissing and Pinching: Synaptotagmin and Calcium Do More between Bilayers. Neuron, 2006, 50, 3-5.	3.8	2
89	Obaid Siddiqi at 80 and Neurogenetics in India. Journal of Neurogenetics, 2012, 26, 255-256.	0.6	2
90	Learning and memory: Clashing engrams in the fly brain. Current Biology, 2021, 31, R1009-R1011.	1.8	2

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91	Impaired inhibitory processing: a new therapeutic target for autism and psychosis?. British Journal of Psychiatry, 2021, 218, 295-298.	1.7	1
92	How â€œcarrots and sticksâ€•are encoded in the brain: Motivation, reward, addiction and fear. Journal of Biosciences, 1998, 23, 163-164.	0.5	0
93	EDITORIAL: THE ORIGINS OF NEUROGENETICS. Journal of Neurogenetics, 2007, 21, 165-167.	0.6	0
94	Preface: The Genetics and Epigenetics of Addiction. Journal of Neurogenetics, 2009, 23, 251-251.	0.6	0
95	A wavelet-based Bayesian framework for 3D object segmentation in microscopy. , 2012, , .		0
96	Fly model causes neurological rethink. ELife, 2013, 2, e01820.	2.8	0