

# David E Featherstone

## List of Publications by Year in descending order

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38  
papers

1,921  
citations

304743

22  
h-index

330143

37  
g-index

38  
all docs

38  
docs citations

38  
times ranked

2333  
citing authors

#	ARTICLE	IF	CITATIONS
1	Wrestling with pleiotropy: Genomic and topological analysis of the yeast gene expression network. <i>BioEssays</i> , 2002, 24, 267-274.	2.5	165
2	A Single Vesicular Glutamate Transporter Is Sufficient to Fill a Synaptic Vesicle. <i>Neuron</i> , 2006, 49, 11-16.	8.1	162
3	Discs-large (DLC) is clustered by presynaptic innervation and regulates postsynaptic glutamate receptor subunit composition in <i>Drosophila</i> . , 2005, 3, 1.		124
4	An Essential <i>Drosophila</i> Glutamate Receptor Subunit That Functions in Both Central Neuropil and Neuromuscular Junction. <i>Journal of Neuroscience</i> , 2005, 25, 3199-3208.	3.6	117
5	Nonvesicular Release of Glutamate by Glial xCT Transporters Suppresses Glutamate Receptor Clustering In Vivo. <i>Journal of Neuroscience</i> , 2007, 27, 111-123.	3.6	109
6	Developmental regulation of glutamate receptor field size by nonvesicular glutamate release. <i>Nature Neuroscience</i> , 2002, 5, 141-146.	14.8	104
7	A glial amino-acid transporter controls synapse strength and courtship in <i>Drosophila</i> . <i>Nature Neuroscience</i> , 2008, 11, 54-61.	14.8	99
8	<i>Drosophila</i> $\hat{1}\pm$ - and $\hat{1}^2$ -Spectrin Mutations Disrupt Presynaptic Neurotransmitter Release. <i>Journal of Neuroscience</i> , 2001, 21, 4215-4224.	3.6	93
9	Intercellular Glutamate Signaling in the Nervous System and Beyond. <i>ACS Chemical Neuroscience</i> , 2010, 1, 4-12.	3.5	81
10	Regulation of Synaptic Transmission by Ambient Extracellular Glutamate. <i>Neuroscientist</i> , 2008, 14, 171-181.	3.5	75
11	Membrane Penetration by Synaptotagmin Is Required for Coupling Calcium Binding to Vesicle Fusion In Vivo. <i>Journal of Neuroscience</i> , 2011, 31, 2248-2257.	3.6	74
12	The 4.1 Protein Coracle Mediates Subunit-Selective Anchoring of <i>Drosophila</i> Glutamate Receptors to the Postsynaptic Actin Cytoskeleton. <i>Journal of Neuroscience</i> , 2005, 25, 6667-6675.	3.6	73
13	Hemolymph Amino Acid Analysis of Individual <i>Drosophila</i> Larvae. <i>Analytical Chemistry</i> , 2008, 80, 1201-1207.	6.5	56
14	Regulation of glutamate receptor subunit availability by microRNAs. <i>Journal of Cell Biology</i> , 2009, 185, 685-697.	5.2	55
15	Surprises from <i>Drosophila</i> : genetic mechanisms of synaptic development and plasticity. <i>Brain Research Bulletin</i> , 2000, 53, 501-511.	3.0	48
16	Genome-wide P-element screen for <i>Drosophila</i> synaptogenesis mutants. <i>Journal of Neurobiology</i> , 2006, 66, 332-347.	3.6	44
17	Glial solute carrier transporters in <i>drosophila</i> and mice. <i>Glia</i> , 2011, 59, 1351-1363.	4.9	44
18	Pre and postsynaptic roles for <i>Drosophila</i> CASK. <i>Molecular and Cellular Neurosciences</i> , 2011, 48, 171-182.	2.2	39

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19	Tomosyn-dependent regulation of synaptic transmission is required for a late phase of associative odor memory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 18482-18487.	7.1	36
20	Behavioral characterization of system xc- mutant mice. <i>Behavioural Brain Research</i> , 2014, 265, 1-11.	2.2	35
21	Neurexin in Embryonic <i>Drosophila</i> Neuromuscular Junctions. <i>PLoS ONE</i> , 2010, 5, e11115.	2.5	35
22	Increased synaptic microtubules and altered synapse development in <i>Drosophila sec8</i> mutants. <i>BMC Biology</i> , 2005, 3, 27.	3.8	32
23	Regulation of Hippocampal Synaptic Strength by Glial xCT. <i>Journal of Neuroscience</i> , 2014, 34, 16093-16102.	3.6	31
24	Genes involved in <i>Drosophila</i> glutamate receptor expression and localization. <i>BMC Neuroscience</i> , 2005, 6, 44.	1.9	24
25	Nanoliter Hemolymph Sampling and Analysis of Individual Adult <i>Drosophila melanogaster</i> . <i>Analytical Chemistry</i> , 2012, 84, 4460-4466.	6.5	21
26	The Amino Acid Transporter Jhl-21 Coevolves with Glutamate Receptors, Impacts NMJ Physiology and Influences Locomotor Activity in <i>Drosophila</i> Larvae. <i>Scientific Reports</i> , 2016, 6, 19692.	3.3	20
27	Identification and Investigation of <i>Drosophila</i> Postsynaptic Density Homologs. <i>Bioinformatics and Biology Insights</i> , 2008, 2, BBI.S2010.	2.0	18
28	Harvesting and Preparing <i>Drosophila</i> Embryos for Electrophysiological Recording and Other Procedures. <i>Journal of Visualized Experiments</i> , 2009, , .	0.3	17
29	Total cysteine and glutathione determination in hemolymph of individual adult <i>D. melanogaster</i> . <i>Analytica Chimica Acta</i> , 2015, 853, 660-667.	5.4	14
30	Hemolymph amino acid variations following behavioral and genetic changes in individual <i>Drosophila</i> larvae. <i>Amino Acids</i> , 2010, 38, 779-788.	2.7	13
31	Effect of ambient extracellular glutamate on <i>Drosophila</i> glutamate receptor trafficking and function. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2009, 195, 21-9.	1.6	11
32	<i>Drosophila</i> glutamate receptor mRNA expression and mRNP particles. <i>RNA Biology</i> , 2011, 8, 771-781.	3.1	10
33	Determining striatal extracellular glutamate levels in xCT mutant mice using LFPS CE-LIF. <i>Analytical Methods</i> , 2014, 6, 2916-2922.	2.7	9
34	Development of 1/4-Low-Flow-Push-Pull Perfusion Probes for <i>Ex Vivo</i> Sampling from Mouse Hippocampal Tissue Slices. <i>ACS Chemical Neuroscience</i> , 2018, 9, 252-259.	3.5	9
35	Response: Meaningless minis?. <i>Trends in Neurosciences</i> , 2002, 25, 386-387.	8.6	8
36	Electrophysiological Recording in the <i>Drosophila</i> Embryo. <i>Journal of Visualized Experiments</i> , 2009, , .	0.3	6

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37	Accelerated bang recovery in <i>Drosophila genderblind</i> mutants. <i>Communicative and Integrative Biology</i> , 2008, 1, 14-17.	1.4	5
38	The spatial and developmental expression of mouse Vwa8 (von Willebrand domain-containing protein) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.8	5