Efthimios M C Skoulakis

List of Publications by Year
in descending order

68 papers	3,565 citations	201674 27 h-index	144013 57 g-index
75 all docs	75 docs citations	75 times ranked	3623 citing authors

#	Article	IF	Citations
1	Interaction of Akt-Phosphorylated Ataxin-1 with 14-3-3 Mediates Neurodegeneration in Spinocerebellar Ataxia Type 1. Cell, 2003, 113, 457-468.	28.9	402
2	Tripartite Mushroom Body Architecture Revealed by Antigenic Markers. Learning and Memory, 1998, 5, 38-51.	1.3	356
3	Preferential expression in mushroom bodies of the catalytic subunit of protein kinase A and its role in learning and memory. Neuron, 1993, 11, 197-208.	8.1	287
4	Olfactory Learning Deficits in Mutants for leonardo, a Drosophila Gene Encoding a 14-3-3 Protein. Neuron, 1996, 17, 931-944.	8.1	215
5	Molecular vibration-sensing component in Drosophila melanogaster olfaction. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 3797-3802.	7.1	164
6	Leonardo, a Drosophila 14-3-3 Protein Involved in Learning, Regulates Presynaptic Function. Neuron, 1997, 19, 391-402.	8.1	158
7	Atypical, non-standard functions of the microtubule associated Tau protein. Acta Neuropathologica Communications, 2017, 5, 91.	5.2	157
8	14-3-3 proteins in neuronal development and function. Molecular Neurobiology, 1998, 16, 269-284.	4.0	142
9	Learning and Memory Deficits Upon TAU Accumulation in Drosophila Mushroom Body Neurons. Learning and Memory, 2004, 11, 277-287.	1.3	139
10	Homeostatic Mechanisms for Iron Storage Revealed by Genetic Manipulations and Live Imaging of Drosophila Ferritin. Genetics, 2007, 177, 89-100.	2.9	112
11	Differential Effects of Tau on the Integrity and Function of Neurons Essential for Learning in Drosophila. Journal of Neuroscience, 2010, 30, 464-477.	3.6	93
12	The Receptor Tyrosine Kinase Alk Controls Neurofibromin Functions in Drosophila Growth and Learning. PLoS Genetics, 2011, 7, e1002281.	3.5	90
13	Conditional Rescue of Olfactory Learning and Memory Defects in Mutants of the 14-3-3Î¶ Geneleonardo. Journal of Neuroscience, 2001, 21, 8417-8425.	3.6	78
14	Molecular Vibration-Sensing Component in Human Olfaction. PLoS ONE, 2013, 8, e55780.	2.5	78
15	Distinct phenotypes of three-repeat and four-repeat human tau in a transgenic model of tauopathy. Neurobiology of Disease, 2017, 105, 74-83.	4.4	71
16	Learning and Memory Deficits Consequent to Reduction of the Fragile X Mental Retardation Protein Result from Metabotropic Glutamate Receptor-Mediated Inhibition of cAMP Signaling inDrosophila. Journal of Neuroscience, 2012, 32, 13111-13124.	3.6	63
17	The cyclic AMP system and Drosophila learning. , 1995, 149-150, 271-278.		59
18	Drosophila14-3-3Îµ has a crucial role in anti-microbial peptide secretion and innate immunity. Journal of Cell Science, 2011, 124, 2165-2174.	2.0	52

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19	Electron spin changes during general anesthesia in Drosophila. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E3524-33.	7.1	51
20	Dimerization Is Essential for 14-3-3Î¶ Stability and Function in Vivo. Journal of Biological Chemistry, 2010, 285, 1692-1700.	3.4	45
21	In VivoFunctional Specificity and Homeostasis of Drosophila 14-3-3 Proteins. Genetics, 2007, 177, 239-253.	2.9	42
22	Interference of the complex between NCS-1 and Ric8a with phenothiazines regulates synaptic function and is an approach for fragile X syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E999-E1008.	7.1	40
23	Neuralized is expressed in the Î±/Î² lobes of adult Drosophila mushroom bodies and facilitates olfactory long-term memory formation. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 14674-14679.	7.1	38
24	Temporally distinct phosphorylations differentiate Tau-dependent learning deficits and premature mortality in Drosophila. Human Molecular Genetics, 2015, 24, 2065-2077.	2.9	37
25	A Dual Role for the Adaptor Protein DRK inDrosophilaOlfactory Learning and Memory. Journal of Neuroscience, 2009, 29, 2611-2625.	3.6	36
26	Protection from premature habituation requires functional mushroom bodies in Drosophila. Learning and Memory, 2007, 14, 376-384.	1.3	35
27	Phosphorylation differentiates tau-dependent neuronal toxicity and dysfunction. Biochemical Society Transactions, 2010, 38, 981-987.	3.4	34
28	Cell type-specific processing of human Tau proteins in Drosophila. FEBS Letters, 2006, 580, 4602-4606.	2.8	28
29	The Power and Richness of Modelling Tauopathies in Drosophila. Molecular Neurobiology, 2011, 44, 122-133.	4.0	28
30	Distinct neuronal circuits mediate experience-dependent, non-associative osmotactic responses in Drosophila. Molecular and Cellular Neurosciences, 2007, 34, 378-389.	2.2	25
31	Ferritin overexpression in Drosophila glia leads to iron deposition in the optic lobes and late-onset behavioral defects. Neurobiology of Disease, 2011, 43, 213-219.	4.4	25
32	Plausibility of the vibrational theory of olfaction. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E3154.	7.1	25
33	DrosophilaTau Negatively Regulates Translation and Olfactory Long-Term Memory, But Facilitates Footshock Habituation and Cytoskeletal Homeostasis. Journal of Neuroscience, 2019, 39, 8315-8329.	3.6	23
34	Behavioral decline and premature lethality upon pan-neuronal ferritin overexpression in Drosophila infected with a virulent form of Wolbachia. Frontiers in Pharmacology, 2014, 5, 66.	3.5	22
35	Drosophila mixed lineage kinase/slipper, a missing biochemical link in Drosophila JNK signaling. Biochimica Et Biophysica Acta - Molecular Cell Research, 2003, 1640, 77-84.	4.1	20
36	Minute Impurities Contribute Significantly to Olfactory Receptor Ligand Studies: Tales from Testing the Vibration Theory. ENeuro, 2017, 4, ENEURO.0070-17.2017.	1.9	18

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37	The Drosophila Receptor Tyrosine Kinase Alk Constrains Long-Term Memory Formation. Journal of Neuroscience, 2018, 38, 7701-7712.	3.6	17
38	An assessment of the translational relevance of Drosophila in drug discovery. Expert Opinion on Drug Discovery, 2019, 14, 303-313.	5.0	17
39	Constitutive Activation of Ca²⁺/Calmodulin-Dependent Protein Kinase II during Development Impairs Central Cholinergic Transmission in a Circuit Underlying Escape Behavior inDrosophila. Journal of Neuroscience, 2012, 32, 170-182.	3.6	16
40	Drosophila mef2is essential for normal mushroom body and wing development. Biology Open, 2018, 7, .	1.2	16
41	A third functional isoform enriched in mushroom body neurons is encoded by the Drosophila 14â€³â€³Î¶ gene. FEBS Letters, 2009, 583, 2934-2938.	2.8	15
42	Differential effects of 14-3-3 dimers on Tau phosphorylation, stability and toxicity in vivo. Human Molecular Genetics, 2018, 27, 2244-2261.	2.9	14
43	Temporally specific engagement of distinct neuronal circuits regulating olfactory habituation in Drosophila. ELife, 2018, 7, .	6.0	14
44	Interkingdom Complementation Reveals Structural Conservation and Functional Divergence of 14-3-3 Proteins. PLoS ONE, 2013, 8, e78090.	2.5	13
45	Drk-mediated signaling to Rho kinase is required for anesthesia-resistant memory inDrosophila. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10984-10989.	7.1	12
46	14-3-3Îµ Is Required for Germ Cell Migration in Drosophila. PLoS ONE, 2012, 7, e36702.	2.5	12
47	Differential Electrophysiological Responses to Odorant Isotopologues in Drosophilid Antennae. ENeuro, 2016, 3, ENEURO.0152-15.2016.	1.9	12
48	Electron Spin Resonance (EPR) in Drosophila and General Anesthesia. Methods in Enzymology, 2018, 603, 115-128.	1.0	10
49	Altered Proteostasis in Neurodegenerative Tauopathies. Advances in Experimental Medicine and Biology, 2020, 1233, 177-194.	1.6	10
50	Human Tau isoform-specific presynaptic deficits in a Drosophila Central Nervous System circuit. Neurobiology of Disease, 2019, 124, 311-321.	4.4	8
51	Mical modulates Tau toxicity via cysteine oxidation in vivo. Acta Neuropathologica Communications, 2022, 10, 44.	5.2	8
52	Associative Learning Requires Neurofibromin to Modulate GABAergic Inputs to Drosophila Mushroom Bodies. Journal of Neuroscience, 2021, 41, 5274-5286.	3.6	7
53	Vibrational Detection of Odorant Functional Groups by Drosophila melanogaster. ENeuro, 2017, 4, ENEURO.0049-17.2017.	1.9	7
54	Functional Interactions of Tau Phosphorylation Sites That Mediate Toxicity and Deficient Learning in Drosophila melanogaster. Frontiers in Molecular Neuroscience, 2020, 13, 569520.	2.9	6

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55	Towards Experimental Tests of Quantum Effects in Cytoskeletal Proteins. , 2006, , 95-170.		6
56	Bee foraging preferences, microbiota and pathogens revealed by direct shotgun metagenomics of honey. Molecular Ecology Resources, 2022, 22, 2506-2523.	4.8	6
57	Reply to Hettinger: Olfaction is a physical and a chemical sense in Drosophila. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E350-E350.	7.1	5
58	Drosophila Bruton's Tyrosine Kinase Regulates Habituation Latency and Facilitation in Distinct Mushroom Body Neurons. Journal of Neuroscience, 2019, 39, 8730-8743.	3.6	5
59	Modelling cell and isoform type specificity of tauopathies in Drosophila. , 2020, , 39-56.		5
60	Paternally and maternally transmitted GAL4 transcripts contribute to UAS transgene expression in early Drosophila embryos. Genesis, 2007, 45, 737-743.	1.6	4
61	Modelling cell and isoform type specificity of tauopathies in Drosophila. SEB Experimental Biology Series, 2008, 60, 39-56.	0.1	4
62	Expression of Mammalian BM88/CEND1 in Drosophila Affects Nervous System Development by Interfering with Precursor Cell Formation. Neuroscience Bulletin, 2019, 35, 979-995.	2.9	2
63	Accessing Olfactory Habituation in Drosophila melanogaster with a T-maze Paradigm. Bio-protocol, 2019, 9, e3259.	0.4	2
64	Cold Shock Disrupts Massed Training-Elicited Memory in Drosophila. International Journal of Molecular Sciences, 2022, 23, 6407.	4.1	2
65	One size does not fit all inDrosophilaolfactory habituation. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 20372-20372.	7.1	1
66	Twice is better: highlights of the second meeting focused on tau biology and pathology. Biochemical Society Transactions, 2012, 40, 641-643.	3.4	0
67	Odor generalization according to vibrational spectra. Flavour, 2014, 3, .	2.3	0
68	An aminophenothiazine inhibitor of the NCS-1/Ric8a complex regulates synaptic function in fragile X syndrome. Acta Crystallographica Section A: Foundations and Advances, 2018, 74, e38-e39.	0.1	0