Jean-Louis Bessereau

List of Publications by Year
in descending order

54	5,382	172457	175258
papers	citations	29 h-index	52 g-index

61	61	61	5550
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Two adjacent MyoD1-binding sites regulate expression of the acetylcholine receptor Î±-subunit gene. Nature, 1990, 345, 353-355.	27.8	272
2	Eight genes are required for functional reconstitution of the Caenorhabditis elegans levamisole-sensitive acetylcholine receptor. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 18590-18595.	7.1	167
3	UNC-13 and UNC-10/Rim Localize Synaptic Vesicles to Specific Membrane Domains. Journal of Neuroscience, 2006, 26, 8040-8047.	3.6	149
4	Mobilization of a Drosophila transposon in the Caenorhabditis elegans germ line. Nature, 2001, 413, 70-74.	27.8	147
5	A transmembrane protein required for acetylcholine receptor clustering in Caenorhabditis elegans. Nature, 2004, 431, 578-582.	27.8	142
6	The Caenorhabditis elegans vab-10 spectraplakin isoforms protect the epidermis against internal and external forces. Journal of Cell Biology, 2003, 161, 757-768.	5.2	135
7	Preservation of Immunoreactivity and Fine Structure of Adult C. elegans Tissues Using High-pressure Freezing. Journal of Histochemistry and Cytochemistry, 2004, 52, 1-12.	2.5	116
8	A Neuronal Acetylcholine Receptor Regulates the Balance of Muscle Excitation and Inhibition in Caenorhabditis elegans. PLoS Biology, 2009, 7, e1000265.	5.6	111
9	A secreted complement-control-related protein ensures acetylcholine receptor clustering. Nature, 2009, 461, 992-996.	27.8	110
10	Targeted engineering of the Caenorhabditis elegans genome following Mos1-triggered chromosomal breaks. EMBO Journal, 2007, 26, 170-183.	7.8	105
11	The Presynaptic Dense Projection of theCaenorhabiditis elegansCholinergic Neuromuscular Junction Localizes Synaptic Vesicles at the Active Zone through SYD-2/Liprin and UNC-10/RIM-Dependent Interactions. Journal of Neuroscience, 2011, 31, 4388-4396.	3.6	103
12	Biosynthesis of ionotropic acetylcholine receptors requires the evolutionarily conserved ER membrane complex. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E1055-63.	7.1	100
13	Identification of Genes Involved in Synaptogenesis Using a Fluorescent Active Zone Marker in Caenorhabditis elegans. Journal of Neuroscience, 2005, 25, 3833-3841.	3.6	89
14	C.Âelegans Punctin Clusters GABAA Receptors via Neuroligin Binding and UNC-40/DCC Recruitment. Neuron, 2015, 86, 1407-1419.	8.1	74
15	Transposons in C. elegans. WormBook, 2006, , 1-13.	5.3	74
16	GABA Is Dispensable for the Formation of Junctional GABA Receptor Clusters inCaenorhabditis elegans. Journal of Neuroscience, 2003, 23, 2591-2599.	3.6	71
17	Mos1-mediated insertional mutagenesis in Caenorhabditis elegans. Nature Protocols, 2007, 2, 1276-1287.	12.0	65
18	Regulation of nicotinic receptor trafficking by the transmembrane Golgi protein UNC-50. EMBO Journal, 2007, 26, 4313-4323.	7.8	65

#	Article	IF	Citations
19	Activation of nicotinic receptors uncouples a developmental timer from the molting timer in C. elegans. Development (Cambridge), 2006, 133, 2211-2222.	2.5	64
20	Transcriptional Coordination of Synaptogenesis and Neurotransmitter Signaling. Current Biology, 2015, 25, 1282-1295.	3.9	62
21	Positive modulation of a Cys-loop acetylcholine receptor by an auxiliary transmembrane subunit. Nature Neuroscience, 2012, 15, 1374-1381.	14.8	56
22	C.â€‰elegans Punctin specifies cholinergic versus GABAergic identity of postsynaptic domains. Nature, 2014, 511, 466-470.	27.8	55
23	The C. elegans P4â€ATPase TATâ€1 Regulates Lysosome Biogenesis and Endocytosis. Traffic, 2009, 10, 88-100.	2.7	53
24	A single immunoglobulin-domain protein required for clustering acetylcholine receptors inC. elegans. EMBO Journal, 2011, 30, 706-718.	7.8	47
25	In vivo single-molecule imaging identifies altered dynamics of calcium channels in dystrophin-mutant C. elegans. Nature Communications, 2014, 5, 4974.	12.8	45
26	Characterization of Mos1-Mediated Mutagenesis in Caenorhabditis elegans. Genetics, 2005, 169, 1779-1785.	2.9	44
27	Filling the gap: adding super-resolution to array tomography for correlated ultrastructural and molecular identification of electrical synapses at theC. elegansconnectome. Neurophotonics, 2016, 3, 041802.	3.3	41
28	Gene Conversion and End-Joining-Repair Double-Strand Breaks in the Caenorhabditis elegans Germline. Genetics, 2008, 180, 673-679.	2.9	36
29	Insulin/Insulin-Like Growth Factor Signaling Controls Non-Dauer Developmental Speed in the Nematode Caenorhabditis elegans. Genetics, 2011, 187, 337-343.	2.9	35
30	Caenorhabditis elegans num-1 Negatively Regulates Endocytic Recycling. Genetics, 2008, 179, 375-387.	2.9	26
31	Attenuation of insulin signalling contributes to FSN-1-mediated regulation of synapse development. EMBO Journal, 2013, 32, 1745-1760.	7.8	24
32	Hyperactivation of L-type voltage-gated Ca2+ channels in C. elegans striated muscle can result from point mutations in the IS6 or the IIIS4 segment of the Î±1 subunit.. Journal of Experimental Biology, 2014, 217, 3805-14.	1.7	22
33	The Susd2 protein regulates neurite growth and excitatory synaptic density in hippocampal cultures. Molecular and Cellular Neurosciences, 2015, 65, 82-91.	2.2	22
34	The netrin receptor UNC-40/DCC assembles a postsynaptic scaffold and sets the synaptic content of GABAA receptors. Nature Communications, 2020, 11, 2674.	12.8	22
35	Expression and immunogenicity in rats of recombinant adenovirus 5 DNA plasmids and vaccinia virus containing the HTLV-I-env gene. , 1997, 71, 300-307.		21
36	The Dystrophin-associated Protein Complex Maintains Muscle Excitability by Regulating Ca2+-dependent K+ (BK) Channel Localization. Journal of Biological Chemistry, 2011, 286, 33501-33510.	3.4	21

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37	The HSPG syndecan is a core organizer of cholinergic synapses. Journal of Cell Biology, 2021, 220, .	5.2	19
38	CRELD1 is an evolutionarily-conserved maturational enhancer of ionotropic acetylcholine receptors. ELife, 2018, 7, .	6.0	18
39	Nonmyogenic Factors Bind Nicotinic Acetylcholine Receptor Promoter Elements Required for Response to Denervation. Journal of Biological Chemistry, 1998, 273, 12786-12793.	3.4	17
40	Regulated lysosomal trafficking as a mechanism for regulating GABAA receptor abundance at synapses in Caenorhabditis elegans. Molecular and Cellular Neurosciences, 2010, 44, 307-317.	2.2	17
41	Insertional Mutagenesis in C. elegans Using the Drosophila Transposon Mos1: A Method for the Rapid Identification of Mutated Genes. , 2006, 351, 59-74.		16
42	Mos1 transposition as a tool to engineer the Caenorhabditis elegans genome by homologous recombination. Methods, 2009, 49, 263-269.	3.8	16
43	Manipulating the Caenorhabditis elegans genome using mariner transposons. Genetica, 2010, 138, 541-549.	1.1	14
44	Molecular Architecture of Genetically-Tractable GABA Synapses in C. elegans. Frontiers in Molecular Neuroscience, 2019, 12, 304.	2.9	14
45	Sushi domain-containing protein 4 controls synaptic plasticity and motor learning. ELife, 2021, 10, .	6.0	14
46	The P-type ATPase CATP-1 is a novel regulator of C. elegansdevelopmental timing that acts independently of its predicted pump function. Development (Cambridge), 2007, 134, 867-879.	2.5	13
47	Preventing Illegitimate Extrasynaptic Acetylcholine Receptor Clustering Requires the RSU-1 Protein. Journal of Neuroscience, 2016, 36, 6525-6537.	3.6	12
48	Proteolytic Processing of the Extracellular Scaffolding Protein LEV-9 Is Required for Clustering Acetylcholine Receptors. Journal of Biological Chemistry, 2014, 289, 10967-10974.	3.4	11
49	The Ig-like domain of Punctin/MADD-4 is the primary determinant for interaction with the ectodomain of neuroligin NLG-1. Journal of Biological Chemistry, 2020, 295, 16267-16279.	3.4	11
50	Genome Engineering by Transgene-Instructed Gene Conversion in C. elegans. Methods in Cell Biology, 2011, 106, 65-88.	1.1	6
51	Specific heparan sulfate modifications stabilize the synaptic organizer MADD-4/Punctin at Caenorhabditis elegans neuromuscular junctions. Genetics, 2021, 218, .	2.9	6
52	Synapse Formation and Function Across Species: Ancient Roles for CCP, CUB, and TSP-1 Structural Domains. Frontiers in Neuroscience, 2022, 16, 866444.	2.8	3
53	An extracellular scaffolding complex confers unusual rectification upon an ionotropic acetylcholine receptor in C. elegans. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	3
54	Knock it down, switch it on. Nature Methods, 2010, 7, 439-441.	19.0	0