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	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
2	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
3	Sushi domain-containing protein 4 controls synaptic plasticity and motor learning. ELife, 2021, 10, .	6.0	14
4	Specific heparan sulfate modifications stabilize the synaptic organizer MADD-4/Punctin at Caenorhabditis elegans neuromuscular junctions. Genetics, 2021, 218, .	2.9	6
5	The HSPG syndecan is a core organizer of cholinergic synapses. Journal of Cell Biology, 2021, 220, .	5.2	19
6	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
7	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
8	Molecular Architecture of Genetically-Tractable GABA Synapses in C. elegans. Frontiers in Molecular Neuroscience, 2019, 12, 304.	2.9	14
9	CRELD1 is an evolutionarily-conserved maturational enhancer of ionotropic acetylcholine receptors. ELife, 2018, 7, .	6.0	18
10	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
11	Preventing Illegitimate Extrasynaptic Acetylcholine Receptor Clustering Requires the RSU-1 Protein. Journal of Neuroscience, 2016, 36, 6525-6537.	3.6	12
12	C.Âelegans Punctin Clusters GABAA Receptors via Neuroligin Binding and UNC-40/DCC Recruitment. Neuron, 2015, 86, 1407-1419.	8.1	74
13	The Susd2 protein regulates neurite growth and excitatory synaptic density in hippocampal cultures. Molecular and Cellular Neurosciences, 2015, 65, 82-91.	2.2	22
14	Transcriptional Coordination of Synaptogenesis and Neurotransmitter Signaling. Current Biology, 2015, 25, 1282-1295.	3.9	62
15	In vivo single-molecule imaging identifies altered dynamics of calcium channels in dystrophin-mutant C. elegans. Nature Communications, 2014, 5, 4974.	12.8	45
16	C.â€‰elegans Punctin specifies cholinergic versus GABAergic identity of postsynaptic domains. Nature, 2014, 511, 466-470.	27.8	55
17	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
18	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

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19	Attenuation of insulin signalling contributes to FSN-1-mediated regulation of synapse development. EMBO Journal, 2013, 32, 1745-1760.	7.8	24
20	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
21	Positive modulation of a Cys-loop acetylcholine receptor by an auxiliary transmembrane subunit. Nature Neuroscience, 2012, 15, 1374-1381.	14.8	56
22	A single immunoglobulin-domain protein required for clustering acetylcholine receptors inC. elegans. EMBO Journal, 2011, 30, 706-718.	7.8	47
23	Genome Engineering by Transgene-Instructed Gene Conversion in C. elegans. Methods in Cell Biology, 2011, 106, 65-88.	1.1	6
24	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
25	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
26	Insulin/Insulin-Like Growth Factor Signaling Controls Non-Dauer Developmental Speed in the Nematode Caenorhabditis elegans. Genetics, 2011, 187, 337-343.	2.9	35
27	Manipulating the Caenorhabditis elegans genome using mariner transposons. Genetica, 2010, 138, 541-549.	1.1	14
28	Knock it down, switch it on. Nature Methods, 2010, 7, 439-441.	19.0	0
29	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
30	A Neuronal Acetylcholine Receptor Regulates the Balance of Muscle Excitation and Inhibition in Caenorhabditis elegans. PLoS Biology, 2009, 7, e1000265.	5.6	111
31	A secreted complement-control-related protein ensures acetylcholine receptor clustering. Nature, 2009, 461, 992-996.	27.8	110
32	The C. elegans P4â€ATPase TATâ€1 Regulates Lysosome Biogenesis and Endocytosis. Traffic, 2009, 10, 88-100.	2.7	53
33	Mos1 transposition as a tool to engineer the Caenorhabditis elegans genome by homologous recombination. Methods, 2009, 49, 263-269.	3.8	16
34	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
35	Caenorhabditis elegans num-1 Negatively Regulates Endocytic Recycling. Genetics, 2008, 179, 375-387.	2.9	26
36	Gene Conversion and End-Joining-Repair Double-Strand Breaks in the Caenorhabditis elegans Germline. Genetics, 2008, 180, 673-679.	2.9	36

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37	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
38	Mos1-mediated insertional mutagenesis in Caenorhabditis elegans. Nature Protocols, 2007, 2, 1276-1287.	12.0	65
39	Targeted engineering of the Caenorhabditis elegans genome following Mos1-triggered chromosomal breaks. EMBO Journal, 2007, 26, 170-183.	7.8	105
40	Regulation of nicotinic receptor trafficking by the transmembrane Golgi protein UNC-50. EMBO Journal, 2007, 26, 4313-4323.	7.8	65
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	Activation of nicotinic receptors uncouples a developmental timer from the molting timer in C. elegans. Development (Cambridge), 2006, 133, 2211-2222.	2.5	64
43	UNC-13 and UNC-10/Rim Localize Synaptic Vesicles to Specific Membrane Domains. Journal of Neuroscience, 2006, 26, 8040-8047.	3.6	149
44	Transposons in C. elegans. WormBook, 2006, , 1-13.	5.3	74
45	Characterization of Mos1-Mediated Mutagenesis in Caenorhabditis elegans. Genetics, 2005, 169, 1779-1785.	2.9	44
46	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
47	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
48	A transmembrane protein required for acetylcholine receptor clustering in Caenorhabditis elegans. Nature, 2004, 431, 578-582.	27.8	142
49	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
50	GABA Is Dispensable for the Formation of Junctional GABA Receptor Clusters inCaenorhabditis elegans. Journal of Neuroscience, 2003, 23, 2591-2599.	3.6	71
51	Mobilization of a Drosophila transposon in the Caenorhabditis elegans germ line. Nature, 2001, 413, 70-74.	27.8	147
52	Nonmyogenic Factors Bind Nicotinic Acetylcholine Receptor Promoter Elements Required for Response to Denervation. Journal of Biological Chemistry, 1998, 273, 12786-12793.	3.4	17
53	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
54	Two adjacent MyoD1-binding sites regulate expression of the acetylcholine receptor Î±-subunit gene. Nature, 1990, 345, 353-355.	27.8	272