Claire-Anne Gutekunst

List of Publications by Year
in descending order

50 papers	8,322 citations	147801 31 h-index	206112 48 g-index
50 all docs	50 docs citations	50 times ranked	7356 citing authors

#	Article	IF	Citations
1	Early mitochondrial calcium defects in Huntington's disease are a direct effect of polyglutamines. Nature Neuroscience, 2002, 5, 731-736.	14.8	925
2	Nuclear and Neuropil Aggregates in Huntingtonâ€™s Disease: Relationship to Neuropathology. Journal of Neuroscience, 1999, 19, 2522-2534.	3.6	792
3	A YAC Mouse Model for Huntingtonâ€™s Disease with Full-Length Mutant Huntingtin, Cytoplasmic Toxicity, and Selective Striatal Neurodegeneration. Neuron, 1999, 23, 181-192.	8.1	789
4	Selective striatal neuronal loss in a YAC128 mouse model of Huntington disease. Human Molecular Genetics, 2003, 12, 1555-1567.	2.9	713
5	Fragile X Mental Retardation Protein: Nucleocytoplasmic Shuttling and Association with Somatodendritic Ribosomes. Journal of Neuroscience, 1997, 17, 1539-1547.	3.6	492
6	Mast Cells Are Essential for Early Onset and Severe Disease in a Murine Model of Multiple Sclerosis. Journal of Experimental Medicine, 2000, 191, 813-822.	8.5	402
7	A Protein Interaction Network Links GIT1, an Enhancer of Huntingtin Aggregation, to Huntington's Disease. Molecular Cell, 2004, 15, 853-865.	9.7	398
8	Ectopically Expressed CAG Repeats Cause Intranuclear Inclusions and a Progressive Late Onset Neurological Phenotype in the Mouse. Cell, 1997, 91, 753-763.	28.9	350
9	Caspase Cleavage of Mutant Huntingtin Precedes Neurodegeneration in Huntington's Disease. Journal of Neuroscience, 2002, 22, 7862-7872.	3.6	344
10	Huntingtin aggregates may not predict neuronal death in Huntington's disease. Annals of Neurology, 1999, 46, 842-849.	5.3	332
11	Recruitment and activation of caspase-8 by the Huntingtin-interacting protein Hip-1 and a novel partner Hippi. Nature Cell Biology, 2002, 4, 95-105.	10.3	274
12	Huntingtin-Interacting Protein HIP14 Is a Palmitoyl Transferase Involved in Palmitoylation and Trafficking of Multiple Neuronal Proteins. Neuron, 2004, 44, 977-986.	8.1	271
13	Interaction of Huntingtin-Associated Protein with Dynactin P150^{Glued}. Journal of Neuroscience, 1998, 18, 1261-1269.	3.6	251
14	HIP14, a novel ankyrin domain-containing protein, links huntingtin to intracellular trafficking and endocytosis. Human Molecular Genetics, 2002, 11, 2815-2828.	2.9	189
15	The Cellular and Subcellular Localization of Huntingtin-Associated Protein 1 (HAP1): Comparison with Huntingtin in Rat and Human. Journal of Neuroscience, 1998, 18, 7674-7686.	3.6	163
16	Early phenotypes that presage late-onset neurodegenerative disease allow testing of modifiers in Hdh CAG knock-in mice. Human Molecular Genetics, 2002, 11, 633-640.	2.9	162
17	A novel transferrin/TfR2-mediated mitochondrial iron transport system is disrupted in Parkinson's disease. Neurobiology of Disease, 2009, 34, 417-431.	4.4	162
18	Heterogeneous Topographic and Cellular Distribution of Huntingtin Expression in the Normal Human Neostriatum. Journal of Neuroscience, 1997, 17, 3052-3063.	3.6	143

#	Article	IF	Citations
19	Huntingtin Interacting Protein 1 Induces Apoptosis via a Novel Caspase-dependent Death Effector Domain. Journal of Biological Chemistry, 2000, 275, 41299-41308.	3.4	108
20	A Mutation of Î²-Actin That Alters Depolymerization Dynamics Is Associated with Autosomal Dominant Developmental Malformations, Deafness, and Dystonia. American Journal of Human Genetics, 2006, 78, 947-960.	6.2	104
21	A Novel Procedure for Pre-embedding Double Immunogoldâ€“Silver Labeling at the Ultrastructural Level. Journal of Histochemistry and Cytochemistry, 2001, 49, 279-283.	2.5	102
22	Disruption of the endocytic protein HIP1 results in neurological deficits and decreased AMPA receptor trafficking. EMBO Journal, 2003, 22, 3254-3266.	7.8	102
23	Intrastriatal injection of preformed alpha-synuclein fibrils alters central and peripheral immune cell profiles in non-transgenic mice. Journal of Neuroinflammation, 2019, 16, 250.	7.2	85
24	NK cells clear Î±-synuclein and the depletion of NK cells exacerbates synuclein pathology in a mouse model of Î±-synucleinopathy. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 1762-1771.	7.1	77
25	Targeted disruption of Huntingtin-associated protein-1 (Hap1) results in postnatal death due to depressed feeding behavior. Human Molecular Genetics, 2002, 11, 945-959.	2.9	73
26	A Human HAP1 Homologue. Journal of Biological Chemistry, 1998, 273, 19220-19227.	3.4	65
27	Long-term lentiviral-mediated expression of ciliary neurotrophic factor in the striatum of Huntington's disease transgenic mice. Experimental Neurology, 2004, 185, 26-35.	4.1	54
28	Real-time in vivo optogenetic neuromodulation and multielectrode electrophysiologic recording with NeuroRighter. Frontiers in Neuroengineering, 2014, 7, 40.	4.8	49
29	Association of HAP1 Isoforms with a Unique Cytoplasmic Structure. Journal of Neurochemistry, 1998, 71, 2178-2185.	3.9	44
30	Aggregation of actin and cofilin in identical twins with juvenileâ€onset dystonia. Annals of Neurology, 2002, 52, 465-476.	5.3	40
31	The Pivotal Role of RhoA GTPase in the Molecular Signaling of Axon Growth Inhibition after CNS Injury and Targeted Therapeutic Strategies. Cell Transplantation, 2007, 16, 245-262.	2.5	31
32	Expression by midbrain dopamine neurons of Sema3A and 3F receptors is associated with chemorepulsion in vitro but a mild in vivo phenotype. Molecular and Cellular Neurosciences, 2010, 44, 135-153.	2.2	30
33	Evidence for both nucleus and cytoplasm as subcellular sites of pathogenesis in Huntington'sdisease in cell culture and in transgenic mice expressing mutant huntingtin. Philosophical Transactions of the Royal Society B: Biological Sciences, 1999, 354, 1047-1055.	4.0	29
34	Recent advances in HuntingtonÊ¼s disease. Current Opinion in Neurology, 2000, 13, 445-450.	3.6	29
35	Deep brain stimulation macroelectrodes compared to multiple microelectrodes in rat hippocampus. Frontiers in Neuroengineering, 2014, 7, 16.	4.8	26
36	Spontaneous and evoked highâ€frequency oscillations in the tetanus toxin model of epilepsy. Epilepsia, 2010, 51, 2289-2296.	5.1	20

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37	Immunohistochemical distribution of PlexinA4 in the adult rat central nervous system. Frontiers in Neuroanatomy, 2010, 4, .	1.7	16
38	Stigmoid Bodies Contain Type I Receptor Proteins SorLA/LR11 and Sortilin: New Perspectives on Their Function. Journal of Histochemistry and Cytochemistry, 2003, 51, 841-852.	2.5	12
39	C3 transferase gene therapy for continuous conditional RhoA inhibition. Neuroscience, 2016, 339, 308-318.	2.3	11
40	A Machine Learning Approach to Characterize the Modulation of the Hippocampal Rhythms Via Optogenetic Stimulation of the Medial Septum. International Journal of Neural Systems, 2019, 29, 1950020.	5.2	10
41	Optimizing neuromodulation based on surrogate neural states for seizure suppression in a rat temporal lobe epilepsy model. Journal of Neural Engineering, 2020, 17, 046009.	3.5	10
42	A framework for designing data-driven optimization systems for neural modulation. Journal of Neural Engineering, 2020, , .	3.5	9
43	PlexinA4 distribution in the adult rat spinal cord and dorsal root ganglia. Journal of Chemical Neuroanatomy, 2012, 44, 1-13.	2.1	8
44	A C. elegans Homolog of Huntingtin-Associated Protein 1 is Expressed in Chemosensory Neurons and in a Number of Other Somatic Cell Types. Journal of Molecular Neuroscience, 2009, 37, 37-49.	2.3	6
45	C3 Transferase Gene Therapy for Continuous RhoA Inhibition. Methods in Molecular Biology, 2018, 1821, 267-281.	0.9	6
46	Plexin a4 expression in adult rat cranial nerves. Journal of Chemical Neuroanatomy, 2014, 61-62, 13-19.	2.1	5
47	A protocol for isolation and biochemical characterization of stigmoid bodies from rat brain. Journal of Neuroscience Methods, 2003, 125, 27-32.	2.5	4
48	Loss of efferent projections of the hippocampal formation in the mouse intrahippocampal kainic acid model. Epilepsy Research, 2022, 180, 106863.	1.6	3
49	Analyzing neuronal activation with macroelectrode vs. microelectrode array stimulation. , 2012, 2012, 4144-7.		2
50	Behavioral analysis of the huntingtinâ€associated protein 1 ortholog trakâ€1 in Caenorhabditis elegans. Journal of Neuroscience Research, 2016, 94, 850-856.	2.9	0