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	Loss of efferent projections of the hippocampal formation in the mouse intrahippocampal kainic acid model. Epilepsy Research, 2022, 180, 106863.	1.6	3
2	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
3	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
4	A framework for designing data-driven optimization systems for neural modulation. Journal of Neural Engineering, 2020, , .	3.5	9
5	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
6	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
7	C3 Transferase Gene Therapy for Continuous RhoA Inhibition. Methods in Molecular Biology, 2018, 1821, 267-281.	0.9	6
8	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
9	C3 transferase gene therapy for continuous conditional RhoA inhibition. Neuroscience, 2016, 339, 308-318.	2.3	11
10	Deep brain stimulation macroelectrodes compared to multiple microelectrodes in rat hippocampus. Frontiers in Neuroengineering, 2014, 7, 16.	4.8	26
11	Real-time in vivo optogenetic neuromodulation and multielectrode electrophysiologic recording with NeuroRighter. Frontiers in Neuroengineering, 2014, 7, 40.	4.8	49
12	Plexin a4 expression in adult rat cranial nerves. Journal of Chemical Neuroanatomy, 2014, 61-62, 13-19.	2.1	5
13	Analyzing neuronal activation with macroelectrode vs. microelectrode array stimulation. , 2012, 2012, 4144-7.		2
14	PlexinA4 distribution in the adult rat spinal cord and dorsal root ganglia. Journal of Chemical Neuroanatomy, 2012, 44, 1-13.	2.1	8
15	Spontaneous and evoked highâ€frequency oscillations in the tetanus toxin model of epilepsy. Epilepsia, 2010, 51, 2289-2296.	5.1	20
16	Immunohistochemical distribution of PlexinA4 in the adult rat central nervous system. Frontiers in Neuroanatomy, 2010, 4, .	1.7	16
17	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
18	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

#	Article	IF	Citations
19	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
20	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
21	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
22	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
23	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
24	A Protein Interaction Network Links GIT1, an Enhancer of Huntingtin Aggregation, to Huntington's Disease. Molecular Cell, 2004, 15, 853-865.	9.7	398
25	Disruption of the endocytic protein HIP1 results in neurological deficits and decreased AMPA receptor trafficking. EMBO Journal, 2003, 22, 3254-3266.	7.8	102
26	A protocol for isolation and biochemical characterization of stigmoid bodies from rat brain. Journal of Neuroscience Methods, 2003, 125, 27-32.	2.5	4
27	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
28	Selective striatal neuronal loss in a YAC128 mouse model of Huntington disease. Human Molecular Genetics, 2003, 12, 1555-1567.	2.9	713
29	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
30	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
31	HIP14, a novel ankyrin domain-containing protein, links huntingtin to intracellular trafficking and endocytosis. Human Molecular Genetics, 2002, 11, 2815-2828.	2.9	189
32	Caspase Cleavage of Mutant Huntingtin Precedes Neurodegeneration in Huntington's Disease. Journal of Neuroscience, 2002, 22, 7862-7872.	3.6	344
33	Aggregation of actin and cofilin in identical twins with juvenileâ€onset dystonia. Annals of Neurology, 2002, 52, 465-476.	5.3	40
34	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
35	Early mitochondrial calcium defects in Huntington's disease are a direct effect of polyglutamines. Nature Neuroscience, 2002, 5, 731-736.	14.8	925
36	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

#	Article	IF	Citations
37	Recent advances in HuntingtonÊ¼s disease. Current Opinion in Neurology, 2000, 13, 445-450.	3.6	29
38	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
39	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
40	Nuclear and Neuropil Aggregates in Huntingtonâ€™s Disease: Relationship to Neuropathology. Journal of Neuroscience, 1999, 19, 2522-2534.	3.6	792
41	Huntingtin aggregates may not predict neuronal death in Huntington's disease. Annals of Neurology, 1999, 46, 842-849.	5.3	332
42	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
43	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
44	A Human HAP1 Homologue. Journal of Biological Chemistry, 1998, 273, 19220-19227.	3.4	65
45	Interaction of Huntingtin-Associated Protein with Dynactin P150^{Glued}. Journal of Neuroscience, 1998, 18, 1261-1269.	3.6	251
46	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
47	Association of HAP1 Isoforms with a Unique Cytoplasmic Structure. Journal of Neurochemistry, 1998, 71, 2178-2185.	3.9	44
48	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
49	Fragile X Mental Retardation Protein: Nucleocytoplasmic Shuttling and Association with Somatodendritic Ribosomes. Journal of Neuroscience, 1997, 17, 1539-1547.	3.6	492
50	Heterogeneous Topographic and Cellular Distribution of Huntingtin Expression in the Normal Human Neostriatum. Journal of Neuroscience, 1997, 17, 3052-3063.	3.6	143