Larry W Swanson

List of Publications by Year
in descending order

104 papers	20,731 citations	20759 60 h-index	34900 98 g-index
105 all docs	105 docs citations	105 times ranked	12063 citing authors

#	Article	IF	Citations
1	An open access mouse brain flatmap and upgraded rat and human brain flatmaps based on current reference atlases. Journal of Comparative Neurology, 2021, 529, 576-594.	0.9	19
2	Subsystem macroarchitecture of the intrinsic midbrain neural network and its tectal and tegmental subnetworks. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	5
3	Structureâ€“function subsystem models of female and male forebrain networks integrating cognition, affect, behavior, and bodily functions. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 31470-31481.	3.3	14
4	A qualitative solution with quantitative potential for the mouse hippocampal cortex flatmap problem. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 3220-3231.	3.3	8
5	The network organization of rat intrathalamic macroconnections and a comparison with other forebrain divisions. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 13661-13669.	3.3	18
6	A model for mapping between the human and rodent cerebral cortex. Journal of Comparative Neurology, 2019, 527, 2925-2927.	0.9	10
7	Macroscale intrinsic network architecture of the hypothalamus. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8018-8027.	3.3	36
8	The network architecture of rat intrinsic interbrain (diencephalic) macroconnections. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 26991-27000.	3.3	7
9	<i>Brain maps 4.0â€"Structure of the rat brain</i>: An open access atlas with global nervous system nomenclature ontology and flatmaps. Journal of Comparative Neurology, 2018, 526, 935-943.	0.9	206
10	Cover Image, Volume 526, Issue 6. Journal of Comparative Neurology, 2018, 526, C1.	0.9	0
11	A Network Explanation of Alzheimer's Regional Vulnerability. Cold Spring Harbor Symposia on Quantitative Biology, 2018, 83, 193-200.	2.0	11
12	Subsystem organization of axonal connections within and between the right and left cerebral cortex and cerebral nuclei (endbrain). Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E6910-E6919.	3.3	25
13	Neuroscience without borders: Preserving the history of neuroscience. European Journal of Neuroscience, 2018, 48, 2099-2109.	1.2	5
14	Organizing principles for the cerebral cortex network of commissural and association connections. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E9692-E9701.	3.3	58
15	Commentary on: Saper CB, Loewy AD, Swanson LW, Cowan WM. (1976) Direct hypothalamo-autonomic connections. Brain Research 117:305â€“312. Brain Research, 2016, 1645, 12-14.	1.1	9
16	Network architecture of the cerebral nuclei (basal ganglia) association and commissural connectome. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E5972-E5981.	3.3	26
17	From Cajal to Connectome and Beyond. Annual Review of Neuroscience, 2016, 39, 197-216.	5.0	157
18	Brain maps online: Toward open access atlases and a panâ€mammalian nomenclature. Journal of Comparative Neurology, 2015, 523, 2272-2276.	0.9	15

#	Article	IF	Citations
19	Golgi: Interactive Online Brain Mapping. Frontiers in Neuroinformatics, 2015, 9, 26.	1.3	5
20	Connections of the juxtaventromedial region of the lateral hypothalamic area in the male rat. Frontiers in Systems Neuroscience, 2015, 9, 66.	1.2	42
21	Response to Foleyâ€™s Review of Swansonâ€™s<i>Neuroanatomical Terminology</i>(2014). Journal of the History of the Neurosciences, 2015, 24, 199-202.	0.1	2
22	Architecture of the cerebral cortical association connectome underlying cognition. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2093-101.	3.3	199
23	BAMS2 workspace: A comprehensive and versatile neuroinformatic platform for collating and processing neuroanatomical connections. Journal of Comparative Neurology, 2014, 522, 3160-3176.	0.9	11
24	Neural systems language: A formal modeling language for the systematic description, unambiguous communication, and automated digital curation of neural connectivity. Journal of Comparative Neurology, 2013, 521, 2889-2906.	0.9	18
25	Obituary Notice for Edward G. Jones (1939â€“2011). Journal of the History of the Neurosciences, 2012, 21, 316-318.	0.1	0
26	Combining collation and annotation efforts toward completion of the rat and mouse connectomes in BAMS. Frontiers in Neuroinformatics, 2012, 6, 2.	1.3	42
27	Connections of the lateral hypothalamic area juxtadorsomedial region in the male rat. Journal of Comparative Neurology, 2012, 520, 1831-1890.	0.9	68
28	Neuroinformatics analysis of molecular expression patterns and neuron populations in gray matter regions: The rat BST as a rich exemplar. Brain Research, 2012, 1450, 174-193.	1.1	38
29	The Retinohypothalamic tract: Comparison of axonal projection patterns from four major targets. Brain Research Reviews, 2011, 65, 150-183.	9.1	54
30	Distinct patterns of neuronal inputs and outputs of the juxtaparaventricular and suprafornical regions of the lateral hypothalamic area in the male rat. Brain Research Reviews, 2010, 64, 14-103.	9.1	106
31	Hypothesis-driven structural connectivity analysis supports network over hierarchical model of brain architecture. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 15235-15239.	3.3	128
32	Foundational model of structural connectivity in the nervous system with a schema for wiring diagrams, connectome, and basic plan architecture. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 20610-20617.	3.3	75
33	A Proposal for a Coordinated Effort for the Determination of Brainwide Neuroanatomical Connectivity in Model Organisms at a Mesoscopic Scale. PLoS Computational Biology, 2009, 5, e1000334.	1.5	242
34	Genomicâ€“anatomic evidence for distinct functional domains in hippocampal field CA1. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11794-11799.	3.3	297
35	Dissecting the brain's fear system reveals the hypothalamus is critical for responding in subordinate conspecific intruders. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 4870-4875.	3.3	160
36	Comparing histological data from different brains: Sources of error and strategies for minimizing them. Brain Research Reviews, 2009, 60, 349-367.	9.1	46

#	Article	IF	Citations
37	Comparison of the spatial distribution of seven types of neuroendocrine neurons in the rat paraventricular nucleus: Toward a global 3D model. Journal of Comparative Neurology, 2009, 516, 423-441.	0.9	112
38	<i>Mechanisms for the Regulation of State Changes in the Central Nervous System</i>. Annals of the New York Academy of Sciences, 2008, 1129, 1-7.	1.8	39
39	High-resolution paraventricular nucleus serial section model constructed within a traditional rat brain atlas. Neuroscience Letters, 2008, 438, 85-89.	1.0	19
40	Online workbenches for neural network connections. Journal of Comparative Neurology, 2007, 500, 807-814.	0.9	31
41	Quest for the basic plan of nervous system circuitry. Brain Research Reviews, 2007, 55, 356-372.	9.1	53
42	Spatial organization of direct hippocampal field CA1 axonal projections to the rest of the cerebral cortex. Brain Research Reviews, 2007, 56, 1-26.	9.1	517
43	A century of neuroscience discovery: Reflecting on the Nobel Prize awarded to Golgi and Cajal in 1906. Brain Research Reviews, 2007, 55, 191-192.	9.1	12
44	The neuron classification problem. Brain Research Reviews, 2007, 56, 79-88.	9.1	99
45	A New Module for On-Line Manipulation and Display of Molecular Information in the Brain Architecture Management System. Neuroinformatics, 2006, 4, 275-298.	1.5	14
46	Projections from bed nuclei of the stria terminalis, anteromedial area: Cerebral hemisphere integration of neuroendocrine, autonomic, and behavioral aspects of energy balance. Journal of Comparative Neurology, 2006, 494, 142-178.	0.9	248
47	Projections from bed nuclei of the stria terminalis, magnocellular nucleus: Implications for cerebral hemisphere regulation of micturition, defecation, and penile erection. Journal of Comparative Neurology, 2006, 494, 108-141.	0.9	86
48	Projections from bed nuclei of the stria terminalis, dorsomedial nucleus: Implications for cerebral hemisphere integration of neuroendocrine, autonomic, and drinking responses. Journal of Comparative Neurology, 2006, 494, 75-107.	0.9	198
49	Analysis of direct hippocampal cortical field CA1 axonal projections to diencephalon in the rat. Journal of Comparative Neurology, 2006, 497, 101-114.	0.9	136
50	Brain Architecture Management System. Neuroinformatics, 2005, 3, 015-048.	1.5	101
51	Anatomy of the soul as reflected in the cerebral hemispheres: Neural circuits underlying voluntary control of basic motivated behaviors. Journal of Comparative Neurology, 2005, 493, 122-131.	0.9	80
52	Projections from the subfornical region of the lateral hypothalamic area. Journal of Comparative Neurology, 2005, 493, 412-438.	0.9	105
53	Comparison of melanin-concentrating hormone and hypocretin/orexin mRNA expression patterns in a new parceling scheme of the lateral hypothalamic zone. Neuroscience Letters, 2005, 387, 80-84.	1.0	140
54	Lhx6 Delineates a Pathway Mediating Innate Reproductive Behaviors from the Amygdala to the Hypothalamus. Neuron, 2005, 46, 647-660.	3.8	424

#	Article	IF	Citations
55	Organization of axonal projections from the anterolateral area of the bed nuclei of the stria terminalis. Journal of Comparative Neurology, 2004, 468, 277-298.	0.9	296
56	Axonal projections from the parasubthalamic nucleus. Journal of Comparative Neurology, 2004, 469, 581-607.	0.9	84
57	Projections from bed nuclei of the stria terminalis, posterior division: Implications for cerebral hemisphere regulation of defensive and reproductive behaviors. Journal of Comparative Neurology, 2004, 471, 396-433.	0.9	256
58	Contextual Fear Conditioning Is Associated With Lateralized Expression of the Immediate Early Gene c-fos in the Central and Basolateral Amygdalar Nuclei.. Behavioral Neuroscience, 2004, 118, 5-14.	0.6	65
59	Projections from the rhomboid nucleus of the bed nuclei of the stria terminalis: Implications for cerebral hemisphere regulation of ingestive behaviors. Journal of Comparative Neurology, 2003, 463, 434-472.	0.9	138
60	From gene networks to brain networks. Nature Neuroscience, 2003, 6, 795-799.	7.1	111
61	Structural characterization of a hypothalamic visceromotor pattern generator network. Brain Research Reviews, 2003, 41, 153-202.	9.1	188
62	The Amygdala and Its Place in the Cerebral Hemisphere. Annals of the New York Academy of Sciences, 2003, 985, 174-184.	1.8	137
63	On the fine structure of the pes Hippocampi major (with plates XIII-XXIII). Brain Research Bulletin, 2001, 54, 461-483.	1.4	21
64	Topography of projections from amygdala to bed nuclei of the stria terminalis. Brain Research Reviews, 2001, 38, 192-246.	9.1	604
65	Combinatorial amygdalar inputs to hippocampal domains and hypothalamic behavior systems. Brain Research Reviews, 2001, 38, 247-289.	9.1	557
66	Basic organization of projections from the oval and fusiform nuclei of the bed nuclei of the stria terminalis in adult rat brain. Journal of Comparative Neurology, 2001, 436, 430-455.	0.9	440
67	Connections of the nucleus incertus. Journal of Comparative Neurology, 2001, 438, 86-122.	0.9	196
68	Interactive Brain Maps and Atlases. , 2001, , 167-III.		12
69	Cerebral hemisphere regulation of motivated behavior11Published on the World Wide Web on 2 November 2000.. Brain Research, 2000, 886, 113-164.	1.1	836
70	What is the brain?. Trends in Neurosciences, 2000, 23, 519-527.	4.2	88
71	Camillo Golgi on the Structure of the Hippocampus. Journal of the History of the Neurosciences, 1999, 8, 164-169.	0.1	3
72	The neuroanatomy revolution of the 1970s and the hypothalamus. Brain Research Bulletin, 1999, 50, 397.	1.4	18

#	Article	IF	Citations
73	What is the amygdala?. Trends in Neurosciences, 1998, 21, 323-331.	4.2	1,216
74	Database Challenges and Solutions in Neuroscientific Applications. NeuroImage, 1997, 5, 97-115.	2.1	35
75	Spatiotemporal patterns of secretomotor neuron generation in the parvicellular neuroendocrine system 1Published on the World Wide Web on 3 June 1997. 1. Brain Research Reviews, 1997, 24, 255-291.	9.1	86
76	Mapping the human brain: past, present, and future. Trends in Neurosciences, 1995, 18, 471-474.	4.2	138
77	Established newcomer. Nature, 1992, 359, 446-447.	13.7	0
78	Dwarf locus mutants lacking three pituitary cell types result from mutations in the POU-domain gene pit-1. Nature, 1990, 347, 528-533.	13.7	1,177
79	RNA levels of neuronal nicotinic acetylcholine receptor subunits are differentially regulated in axotomized facial motoneurons: an in situ hybridization study. Molecular Brain Research, 1990, 8, 349-353.	2.5	30
80	The distribution of mRNA encoded by a new member of the neuronal nicotinic acetylcholine receptor gene family (Î±5) in the rat central nervous system. Brain Research, 1990, 526, 45-53.	1.1	245
81	Distribution of alpha2, alpha3, alpha4, and beta2 neuronal nicotinic receptor subunit mRNAs in the central nervous system: A hybridization histochemical study in the rat. Journal of Comparative Neurology, 1989, 284, 314-335.	0.9	993
82	Expression of a large family of POU-domain regulatory genes in mammalian brain development. Nature, 1989, 340, 35-42.	13.7	856
83	Chapter 3 Structure and function of neuronal nicotinic acetylcholine receptors deduced from cDNA clones. Progress in Brain Research, 1989, 79, 27-33.	0.9	14
84	Contributors to Volume 1. Methods in Neurosciences, 1989, 1, ix-xii.	0.5	0
85	A tissue-specific transcription factor containing a homeodomain specifies a pituitary phenotype. Cell, 1988, 55, 519-529.	13.5	1,023
86	Primary structure and expression of Î²2: A novel subunit of neuronal nicotinic acetylcholine receptors. Neuron, 1988, 1, 45-54.	3.8	306
87	Neuronal Expression of chimeric genes in transgenic mice. Neuron, 1988, 1, 311-320.	3.8	68
88	The neuronal mineralocorticoid eeceptor as a mediator of glucocorticoid response. Neuron, 1988, 1, 887-900.	3.8	557
89	Estrous Cycle Variations in Levels of Cholecystokinin Immunoreactivity within Cells of Three Interconnected Sexually Dimorphic Forebrain Nuclei. Neuroendocrinology, 1988, 47, 225-235.	1.2	70
90	Neuron-specific alternative RNA processing in transgenic mice expressing a metallothionein-calcitonin fusion gene. Cell, 1987, 49, 389-398.	13.5	135

#	Article	IF	Citations
91	Efferent projections of the suprachiasmatic nucleus: I. Studies using anterograde transport ofPhaseolus vulgaris leucoagglutinin in the rat. Journal of Comparative Neurology, 1987, 258, 204-229.	0.9	652
92	Efferent projections of the suprachiasmatic nucleus: II. Studies using retrograde transport of fluorescent dyes and simultaneous peptide immunohistochemistry in the rat. Journal of Comparative Neurology, 1987, 258, 230-252.	0.9	479
93	Characteristics of monoclonal antibodies to denatured Torpedo and to native calf acetylcholine receptors: Species, subunit and region specificity. Journal of Neuroimmunology, 1986, 10, 235-253.	1.1	139
94	Coexistence of Tyrosine Hydroxylase and Growth Hormone-Releasing Factor in a Subpopulation of Tubero-Infundibular Neurons of the Rat. Neuroendocrinology, 1986, 42, 237-247.	1.2	72
95	Influence of Perinatal Androgen on the Sexually Dimorphic Distribution of Tyrosine Hydroxylase-Immunoreactive Cells and Fibers in the Anteroventral Periventricular Nucleus of the Rat. Neuroendocrinology, 1985, 40, 501-510.	1.2	173
96	Organization of Angiotensin II Immunoreactive Cells and Fibers in the Rat Central Nervous System. Neuroendocrinology, 1985, 40, 2-24.	1.2	637
97	The distribution of angiotensin II-immunoreactive cells and fibers in the paraventriculo-hypophysial system of the rat. Brain Research, 1985, 338, 81-89.	1.1	112
98	A diffuse Î±MSH-immunoreactive projection to the hippocampus and spinal cord from individual neurons in the lateral hypothalamic area and zona incerta. Journal of Comparative Neurology, 1984, 223, 501-514.	0.9	126
99	The projection of the supramammillary nucleus to the hippocampal formation: An immunohistochemical and anterograde transport study with the lectin PHA-L in the rat. Journal of Comparative Neurology, 1984, 229, 171-185.	0.9	223
100	Acetylcholinesterase-containing cells in the lateral hypothalamic area are immunoreactive for Î±-melanocyte stimulating hormone (Î±-MSH) and have cortical projections in the rat. Neuroscience Letters, 1984, 49, 39-43.	1.0	46
101	Production of a novel neuropeptide encoded by the calcitonin gene via tissue-specific RNA processing. Nature, 1983, 304, 129-135.	13.7	2,288
102	[45] Techniques for tracing peptide-specific pathways. Methods in Enzymology, 1983, 103, 663-669.	0.4	3
103	The medial forebrain bundle of the rat. II. An autoradiographic study of the topography of the major descending and ascending components. Journal of Comparative Neurology, 1982, 206, 82-108.	0.9	200
104	1st INCF Workshop on Neuroanatomical Nomenclature and Taxonomy. Nature Precedings, 0, , .	0.1	6