Charles Watson

List of Publications by Year
in descending order

60 papers	2,359 citations	279798 23 h-index	265206 42 g-index
60 all docs	60 docs citations	60 times ranked	3531 citing authors

#	Article	IF	Citations
1	A developmental ontology for the mammalian brain based on the prosomeric model. Trends in Neurosciences, 2013, 36, 570-578.	8.6	229
2	Wiring cost and topological participation of the mouse brain connectome. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10032-10037.	7.1	191
3	A segmentation protocol and MRI atlas of the C57BL/6J mouse neocortex. NeuroImage, 2013, 78, 196-203.	4.2	182
4	A cytoarchitectonic and chemoarchitectonic analysis of the dopamine cell groups in the substantia nigra, ventral tegmental area, and retrorubral field in the mouse. Brain Structure and Function, 2012, 217, 591-612.	2.3	136
5	A multidimensional magnetic resonance histology atlas of the Wistar rat brain. NeuroImage, 2012, 62, 1848-1856.	4.2	91
6	Segmentation of the mouse hippocampal formation in magnetic resonance images. NeuroImage, 2011, 58, 732-740.	4.2	88
7	Projections from the brain to the spinal cord in the mouse. Brain Structure and Function, 2011, 215, 159-186.	2.3	84
8	Developmental gene expression in the mouse clarifies the organization of the claustrum and related endopiriform nuclei. Journal of Comparative Neurology, 2017, 525, 1499-1508.	1.6	74
9	Organization of Brainstem Nuclei. , 2012, , 260-327.		70
10	Cellular composition characterizing postnatal development and maturation of the mouse brain and spinal cord. Brain Structure and Function, 2013, 218, 1337-1354.	2.3	62
11	Spatiotemporal expression patterns of Pax6 in the brain of embryonic, newborn, and adult mice. Brain Structure and Function, 2013, 218, 353-372.	2.3	56
12	The substantia nigra and ventral tegmental dopaminergic neurons from development to degeneration. Journal of Chemical Neuroanatomy, 2016, 76, 98-107.	2.1	54
13	Atlas of the Mouse Spinal Cord. , 2009, , 308-379.		53
14	The red nucleus and the rubrospinal projection in the mouse. Brain Structure and Function, 2012, 217, 221-232.	2.3	53
15	Time for Radical Changes in Brain Stem Nomenclatureâ€”Applying the Lessons From Developmental Gene Patterns. Frontiers in Neuroanatomy, 2019, 13, 10.	1.7	53
16	Precerebellar Cell Groups in the Hindbrain of the Mouse Defined by Retrograde Tracing and Correlated with Cumulative Wnt1-Cre Genetic Labeling. Cerebellum, 2011, 10, 570-584.	2.5	51
17	Mouse <i>Fgf8</i>â€Creâ€LacZ lineage analysis defines the territory of the postnatal mammalian isthmus. Journal of Comparative Neurology, 2017, 525, 2782-2799.	1.6	50
18	Terminations of reticulospinal fibers originating from the gigantocellular reticular formation in the mouse spinal cord. Brain Structure and Function, 2016, 221, 1623-1633.	2.3	42

#	Article	IF	Citations
19	Diencephalon. , 2012, , 313-336.		35
20	A Re-evaluation of the Anatomy of the Claustrum in Rodents and Primatesâ€"Analyzing the Effect of Pallial Expansion. Frontiers in Neuroanatomy, 2019, 13, 34.	1.7	35
21	The anatomy of the caudal zona incerta in rodents and primates. Journal of Anatomy, 2014, 224, 95-107.	1.5	34
22	The Location of the Major Ascending and Descending Spinal Cord Tracts in all Spinal Cord Segments in the Mouse: Actual and Extrapolated. Anatomical Record, 2012, 295, 1692-1697.	1.4	32
23	Musculotopic organization of the motor neurons supplying forelimb and shoulder girdle muscles in the mouse. Brain Structure and Function, 2013, 218, 221-238.	2.3	32
24	Segmentation of the C57BL/6J mouse cerebellum in magnetic resonance images. NeuroImage, 2012, 62, 1408-1414.	4.2	31
25	The Somatosensory System. , 2012, , 563-570.		31
26	An MRI atlas of the mouse basal ganglia. Brain Structure and Function, 2014, 219, 1343-1353.	2.3	31
27	Midbrain. , 2012, , 337-359.		30
28	Cerebellum. , 2012, , 360-397.		29
29	Projections from the lateral vestibular nucleus to the spinal cord in the mouse. Brain Structure and Function, 2014, 219, 805-815.	2.3	26
30	Musculotopic organization of the motor neurons supplying the mouse hindlimb muscles: a quantitative study using Fluoro-Gold retrograde tracing. Brain Structure and Function, 2014, 219, 303-321.	2.3	26
31	Cytoarchitecture of the Spinal Cord of the Postnatal (P4) Mouse. Anatomical Record, 2012, 295, 837-845.	1.4	25
32	What Determines Motor Neuron Number? Slow Scaling of Facial Motor Neuron Numbers With Body Mass in Marsupials and Primates. Anatomical Record, 2012, 295, 1683-1691.	1.4	23
33	Development of <scp>MRI</scp>â€based atlases of nonâ€human brains. Journal of Comparative Neurology, 2015, 523, 391-405.	1.6	22
34	The Inferior Olive of the C57BL/6J Mouse: A Chemoarchitectonic Study. Anatomical Record, 2014, 297, 289-300.	1.4	21
35	Distribution of Raphespinal Fibers in the Mouse Spinal Cord. Molecular Pain, 2015, 11, s12990-015-0046.	2.1	21
36	Marmoset neuroscience. Neuroscience Research, 2015, 93, 1-2.	1.9	21

#	Article	IF	Citations
37	An ontology-based segmentation scheme for tracking postnatal changes in the developing rodent brain with MRI. NeuroImage, 2013, 67, 375-384.	4.2	19
38	Hindbrain. , 2012, , 398-423.		17
39	The spinal cord of the common marmoset (Callithrix jacchus). Neuroscience Research, 2015, 93, 164-175.	1.9	16
40	The spinal precerebellar nuclei: Calcium binding proteins and gene expression profile in the mouse. Neuroscience Letters, 2012, 518, 161-166.	2.1	15
41	Spinal projections from the presumptive midbrain locomotor region in the mouse. Brain Structure and Function, 2012, 217, 211-219.	2.3	15
42	An ontologically consistent MRI-based atlas of the mouse diencephalon. NeuroImage, 2017, 157, 275-287.	4.2	15
43	Projections from the Brain to the Spinal Cord. , 2009, , 168-179.		14
44	The precerebellar linear nucleus in the mouse defined by connections, immunohistochemistry, and gene expression. Brain Research, 2009, 1271, 49-59.	2.2	13
45	The Arcuate Nucleus of the C57BL/6J Mouse Hindbrain Is a Displaced Part of the Inferior Olive. Brain, Behavior and Evolution, 2012, 79, 191-204.	1.7	13
46	Neuroanatomical Affiliation Visualization-Interface System. Neuroinformatics, 2006, 4, 299-318.	2.8	12
47	The interfascicular trigeminal nucleus: A precerebellar nucleus in the mouse defined by retrograde neuronal tracing and genetic fate mapping. Journal of Comparative Neurology, 2013, 521, 697-708.	1.6	12
48	Ascending and Descending Pathways in the Spinal Cord. , 2015, , 115-130.		12
49	Internet-based atlas of the primate spinal cord. Neuroscience Research, 2011, 70, 128-132.	1.9	9
50	Projections from the oral pontine reticular nucleus to the spinal cord of the mouse. Neuroscience Letters, 2015, 584, 113-118.	2.1	8
51	Localization of Motoneurons in the Spinal Cord. , 2009, , 94-114.		7
52	Projections from the paralemniscal nucleus to the spinal cord in the mouse. Brain Structure and Function, 2013, 218, 1307-1316.	2.3	6
53	Elongation of the CA1 field of the septal hippocampus in ungulates. Journal of Comparative Neurology, 2019, 527, 818-832.	1.6	6
54	Mini-atlas of the marmoset brain. Neuroscience Research, 2015, 93, 128-135.	1.9	5

#	Article	IF	Citations
55	Projections from the central amygdaloid nucleus to the precuneiform nucleus in the mouse. Brain Structure and Function, 2015, 220, 263-271.	2.3	5
56	Spinal Accessory Motor Neurons in the Mouse: A Special Type of Branchial Motor Neuron?. Anatomical Record, 2019, 302, 505-511.	1.4	5
57	The organization of spinal motor neurons in a monotreme is consistent with a sixâ€•region schema of the mammalian spinal cord. Journal of Anatomy, 2016, 229, 394-405.	1.5	4
58	A collaborative approach towards prevention of otitis media in Aboriginal children. Deafness and Education International, 2020, 22, 275-287.	1.3	4
59	Escapees from Rhombomeric Lineage Restriction: Extensive Migration Rostral to the r4/r5 Border of <i>Hoxâ€•a3</i> Expression. Anatomical Record, 2017, 300, 1838-1846.	1.4	3
60	Benefits of broad spectrum antibiotics outweigh the risks. Medical Journal of Australia, 1998, 168, 196-197.	1.7	0