

Thomas Gillingwater

List of Publications by Year in descending order

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164
papers

10,046
citations

31902

53
h-index

43802

91
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175
all docs

175
docs citations

175
times ranked

11402
citing authors

#	ARTICLE	IF	CITATIONS
1	A Mutation in the Vesicle-Trafficking Protein VAPB Causes Late-Onset Spinal Muscular Atrophy and Amyotrophic Lateral Sclerosis. <i>American Journal of Human Genetics</i> , 2004, 75, 822-831.	2.6	854
2	Wallerian degeneration of injured axons and synapses is delayed by a Ube4b/Nmnat chimeric gene. <i>Nature Neuroscience</i> , 2001, 4, 1199-1206.	7.1	661
3	Selective vulnerability of motor neurons and dissociation of pre- and post-synaptic pathology at the neuromuscular junction in mouse models of spinal muscular atrophy. <i>Human Molecular Genetics</i> , 2008, 17, 949-962.	1.4	333
4	Total Protein Analysis as a Reliable Loading Control for Quantitative Fluorescent Western Blotting. <i>PLoS ONE</i> , 2013, 8, e72457.	1.1	300
5	Spinal muscular atrophy: going beyond the motor neuron. <i>Trends in Molecular Medicine</i> , 2013, 19, 40-50.	3.5	296
6	Alternative Splicing Events Are a Late Feature of Pathology in a Mouse Model of Spinal Muscular Atrophy. <i>PLoS Genetics</i> , 2009, 5, e1000773.	1.5	210
7	Synaptic Vulnerability in Neurodegenerative Disease. <i>Journal of Neuropathology and Experimental Neurology</i> , 2006, 65, 733-739.	0.9	189
8	Advances in therapy for spinal muscular atrophy: promises and challenges. <i>Nature Reviews Neurology</i> , 2018, 14, 214-224.	4.9	174
9	Cellular and Molecular Anatomy of the Human Neuromuscular Junction. <i>Cell Reports</i> , 2017, 21, 2348-2356.	2.9	158
10	Emerging therapies and challenges in spinal muscular atrophy. <i>Annals of Neurology</i> , 2017, 81, 355-368.	2.8	157
11	Progressive abnormalities in skeletal muscle and neuromuscular junctions of transgenic mice expressing the Huntington's disease mutation. <i>European Journal of Neuroscience</i> , 2004, 20, 3092-3114.	1.2	151
12	Dysregulation of ubiquitin homeostasis and β -catenin signaling promote spinal muscular atrophy. <i>Journal of Clinical Investigation</i> , 2014, 124, 1821-1834.	3.9	151
13	WldS Prevents Axon Degeneration through Increased Mitochondrial Flux and Enhanced Mitochondrial Ca ²⁺ Buffering. <i>Current Biology</i> , 2012, 22, 596-600.	1.8	135
14	riboWaltz: Optimization of ribosome P-site positioning in ribosome profiling data. <i>PLoS Computational Biology</i> , 2018, 14, e1006169.	1.5	132
15	VAPB interacts with and modulates the activity of ATF6. <i>Human Molecular Genetics</i> , 2008, 17, 1517-1526.	1.4	130
16	The role of survival motor neuron protein (SMN) in protein homeostasis. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 3877-3894.	2.4	125
17	Review: Neuromuscular synaptic vulnerability in motor neurone disease: amyotrophic lateral sclerosis and spinal muscular atrophy. <i>Neuropathology and Applied Neurobiology</i> , 2010, 36, 133-156.	1.8	123
18	Synaptic NMDA receptor activity is coupled to the transcriptional control of the glutathione system. <i>Nature Communications</i> , 2015, 6, 6761.	5.8	119

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19	The contribution of mouse models to understanding the pathogenesis of spinal muscular atrophy. <i>DMM Disease Models and Mechanisms</i> , 2011, 4, 457-467.	1.2	113
20	Transcriptional Regulation of the AP-1 and Nrf2 Target Gene Sulfiredoxin. <i>Molecules and Cells</i> , 2009, 27, 279-283.	1.0	110
21	UBA1: At the Crossroads of Ubiquitin Homeostasis and Neurodegeneration. <i>Trends in Molecular Medicine</i> , 2015, 21, 622-632.	3.5	108
22	SMN deficiency disrupts brain development in a mouse model of severe spinal muscular atrophy. <i>Human Molecular Genetics</i> , 2010, 19, 4216-4228.	1.4	105
23	The slow Wallerian degeneration gene, <i>WldS</i> , inhibits axonal spheroid pathology in gracile axonal dystrophy mice. <i>Brain</i> , 2004, 128, 405-416.	3.7	101
24	NMJ-morph reveals principal components of synaptic morphology influencing structureâ€“function relationships at the neuromuscular junction. <i>Open Biology</i> , 2016, 6, 160240.	1.5	99
25	Pre-symptomatic development of lower motor neuron connectivity in a mouse model of severe spinal muscular atrophy. <i>Human Molecular Genetics</i> , 2010, 19, 420-433.	1.4	98
26	Synapse loss in the prefrontal cortex is associated with cognitive decline in amyotrophic lateral sclerosis. <i>Acta Neuropathologica</i> , 2018, 135, 213-226.	3.9	97
27	Studying synapses in human brain with array tomography and electron microscopy. <i>Nature Protocols</i> , 2013, 8, 1366-1380.	5.5	95
28	Compartmental neurodegeneration and synaptic plasticity in the <i>Wld s</i> mutant mouse. <i>Journal of Physiology</i> , 2001, 534, 627-639.	1.3	90
29	Reversible molecular pathology of skeletal muscle in spinal muscular atrophy. <i>Human Molecular Genetics</i> , 2011, 20, 4334-4344.	1.4	89
30	InÂVivo Translatome Profiling in Spinal Muscular Atrophy Reveals a Role for SMN Protein in Ribosome Biology. <i>Cell Reports</i> , 2017, 21, 953-965.	2.9	89
31	Molecular correlates of axonal and synaptic pathology in mouse models of Batten disease. <i>Human Molecular Genetics</i> , 2009, 18, 4066-4080.	1.4	88
32	Therapeutic strategies for spinal muscular atrophy: SMN and beyond. <i>DMM Disease Models and Mechanisms</i> , 2017, 10, 943-954.	1.2	87
33	Region-specific depletion of synaptic mitochondria in the brains of patients with Alzheimerâ€™s disease. <i>Acta Neuropathologica</i> , 2018, 136, 747-757.	3.9	87
34	Age-related motor neuron degeneration in DNA repair-deficient <i>Ercc1</i> mice. <i>Acta Neuropathologica</i> , 2010, 120, 461-475.	3.9	86
35	Altered maturation of the primary somatosensory cortex in a mouse model of fragile X syndrome. <i>Human Molecular Genetics</i> , 2012, 21, 2143-2156.	1.4	84
36	Ageâ€“Dependent Synapse Withdrawal at Axotomised Neuromuscular Junctions in <i>Wld s</i> Mutant and <i>Ube4b/Nmnat</i> Transgenic Mice. <i>Journal of Physiology</i> , 2002, 543, 739-755.	1.3	83

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37	Differential Proteomics Analysis of Synaptic Proteins Identifies Potential Cellular Targets and Protein Mediators of Synaptic Neuroprotection Conferred by the Slow Wallerian Degeneration (Wld) Gene. <i>Molecular and Cellular Proteomics</i> , 2007, 6, 1318-1330.	2.5	82
38	A rat model of slow Wallerian degeneration (WldS) with improved preservation of neuromuscular synapses. <i>European Journal of Neuroscience</i> , 2005, 21, 271-277.	1.2	81
39	Retinoid-independent motor neurogenesis from human embryonic stem cells reveals a medial columnar ground state. <i>Nature Communications</i> , 2011, 2, 214.	5.8	81
40	Synaptic Changes in the Thalamocortical System of Cathepsin D-Deficient Mice. <i>Journal of Neuropathology and Experimental Neurology</i> , 2008, 67, 16-29.	0.9	79
41	Vascular <sc>D</sc>effects and <sc>S</sc>pinal <sc>C</sc>ord <sc>H</sc>yypoxia in <sc>S</sc>pinal <sc>M</sc>uscular <sc>A</sc>trophy. <i>Annals of Neurology</i> , 2016, 79, 217-230.	2.8	79
42	COVID-19 and anatomy: Stimulus and initial response. <i>Journal of Anatomy</i> , 2020, 237, 393-403.	0.9	74
43	Abnormal fatty acid metabolism is a core component of spinal muscular atrophy. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 1519-1532.	1.7	72
44	mGluR5 Regulates Glutamate-Dependent Development of the Mouse Somatosensory Cortex. <i>Journal of Neuroscience</i> , 2008, 28, 13028-13037.	1.7	71
45	Bioenergetic status modulates motor neuron vulnerability and pathogenesis in a zebrafish model of spinal muscular atrophy. <i>PLoS Genetics</i> , 2017, 13, e1006744.	1.5	69
46	Neuroprotection after Transient Global Cerebral Ischemia in Wlds Mutant Mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2004, 24, 62-66.	2.4	66
47	Systemic restoration of UBA1 ameliorates disease in spinal muscular atrophy. <i>JCI Insight</i> , 2016, 1, e87908.	2.3	65
48	Morphological analysis of neuromuscular junction development and degeneration in rodent lumbrical muscles. <i>Journal of Neuroscience Methods</i> , 2014, 227, 159-165.	1.3	64
49	Identity, developmental restriction and reactivity of extralaminar cells capping mammalian neuromuscular junctions. <i>Journal of Cell Science</i> , 2008, 121, 3901-3911.	1.2	63
50	Executive deficits, not processing speed relates to abnormalities in distinct prefrontal tracts in amyotrophic lateral sclerosis. <i>Brain</i> , 2013, 136, 3290-3304.	3.7	63
51	SMN-dependent intrinsic defects in Schwann cells in mouse models of spinal muscular atrophy. <i>Human Molecular Genetics</i> , 2014, 23, 2235-2250.	1.4	62
52	Genomic Analyses of Pre-European Conquest Human Remains from the Canary Islands Reveal Close Affinity to Modern North Africans. <i>Current Biology</i> , 2017, 27, 3396-3402.e5.	1.8	62
53	VAMP4 Is an Essential Cargo Molecule for Activity-Dependent Bulk Endocytosis. <i>Neuron</i> , 2015, 88, 973-984.	3.8	60
54	Mechanisms underlying synaptic vulnerability and degeneration in neurodegenerative disease. <i>Neuropathology and Applied Neurobiology</i> , 2013, 39, 320-334.	1.8	58

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55	Exclusive expression of MeCP2 in the nervous system distinguishes between brain and peripheral Rett syndrome-like phenotypes. <i>Human Molecular Genetics</i> , 2016, 25, ddw269.	1.4	57
56	Spinal muscular atrophy: From approved therapies to future therapeutic targets for personalized medicine. <i>Cell Reports Medicine</i> , 2021, 2, 100346.	3.3	57
57	Delayed synaptic degeneration in the CNS of Wlds mice after cortical lesion. <i>Brain</i> , 2006, 129, 1546-1556.	3.7	55
58	Temporal and tissue-specific variability of SMN protein levels in mouse models of spinal muscular atrophy. <i>Human Molecular Genetics</i> , 2018, 27, 2851-2862.	1.4	55
59	Combining Comparative Proteomics and Molecular Genetics Uncovers Regulators of Synaptic and Axonal Stability and Degeneration In Vivo. <i>PLoS Genetics</i> , 2012, 8, e1002936.	1.5	54
60	Survival Motor Neuron (SMN) protein is required for normal mouse liver development. <i>Scientific Reports</i> , 2016, 6, 34635.	1.6	54
61	Overview of Current Drugs and Molecules in Development for Spinal Muscular Atrophy Therapy. <i>Drugs</i> , 2018, 78, 293-305.	4.9	53
62	The relationship of neuromuscular synapse elimination to synaptic degeneration and pathology: Insights from WldSand other mutant mice. <i>Journal of Neurocytology</i> , 2003, 32, 863-881.	1.6	52
63	SMN-primed ribosomes modulate the translation of transcripts related to spinal muscular atrophy. <i>Nature Cell Biology</i> , 2020, 22, 1239-1251.	4.6	52
64	Pro-death NMDA receptor signaling is promoted by the GluN2B C-terminus independently of Dapk1. <i>ELife</i> , 2017, 6, .	2.8	52
65	Active Ribosome Profiling with RiboLace. <i>Cell Reports</i> , 2018, 25, 1097-1108.e5.	2.9	51
66	Progressive Loss of Motor Neuron Function in Wasted Mice: Effects of a Spontaneous Null Mutation in the Gene for the eEF1A2 Translation Factor. <i>Journal of Neuropathology and Experimental Neurology</i> , 2005, 64, 295-303.	0.9	50
67	Moving towards treatments for spinal muscular atrophy: hopes and limits. <i>Expert Opinion on Emerging Drugs</i> , 2015, 20, 353-356.	1.0	50
68	Density, calibre and ramification of muscle capillaries are altered in a mouse model of severe spinal muscular atrophy. <i>Neuromuscular Disorders</i> , 2012, 22, 435-442.	0.3	49
69	PTEN Depletion Decreases Disease Severity and Modestly Prolongs Survival in a Mouse Model of Spinal Muscular Atrophy. <i>Molecular Therapy</i> , 2015, 23, 270-277.	3.7	47
70	The neuroprotective Wlds gene regulates expression of PTTG1 and erythroid differentiation regulator 1-like gene in mice and human cells. <i>Human Molecular Genetics</i> , 2006, 15, 625-635.	1.4	44
71	Synaptic Ras GTPase Activating Protein Regulates Pattern Formation in the Trigeminal System of Mice. <i>Journal of Neuroscience</i> , 2006, 26, 1355-1365.	1.7	44
72	Development of a supported self-directed learning approach for anatomy education. <i>Anatomical Sciences Education</i> , 2012, 5, 114-121.	2.5	44

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73	Effect of Limb Lengthening on Internodal Length and Conduction Velocity of Peripheral Nerve. <i>Journal of Neuroscience</i> , 2013, 33, 4536-4539.	1.7	43
74	The Armadillo as a Model for Peripheral Neuropathy in Leprosy. <i>ILAR Journal</i> , 2014, 54, 304-314.	1.8	43
75	Proteomic profiling of neuronal mitochondria reveals modulators of synaptic architecture. <i>Molecular Neurodegeneration</i> , 2017, 12, 77.	4.4	43
76	Selective loss of alpha motor neurons with sparing of gamma motor neurons and spinal cord cholinergic neurons in a mouse model of spinal muscular atrophy. <i>Journal of Anatomy</i> , 2016, 228, 443-451.	0.9	42
77	Survival of motor neurone protein is required for normal postnatal development of the spleen. <i>Journal of Anatomy</i> , 2017, 230, 337-346.	0.9	42
78	Label-Free Quantitative Proteomic Profiling Identifies Disruption of Ubiquitin Homeostasis As a Key Driver of Schwann Cell Defects in Spinal Muscular Atrophy. <i>Journal of Proteome Research</i> , 2014, 13, 4546-4557.	1.8	39
79	Loss of Glial Neurofascin155 Delays Developmental Synapse Elimination at the Neuromuscular Junction. <i>Journal of Neuroscience</i> , 2014, 34, 12904-12918.	1.7	39
80	A novel mouse model of Warburg Micro Syndrome reveals roles for RAB18 in eye development and organisation of the neuronal cytoskeleton. <i>DMM Disease Models and Mechanisms</i> , 2014, 7, 711-22.	1.2	38
81	Using induced pluripotent stem cells (iPSC) to model human neuromuscular connectivity: promise or reality?. <i>Journal of Anatomy</i> , 2012, 220, 122-130.	0.9	37
82	Interventions Targeting Glucocorticoid-Induced Lipocortin-like Factor 15-Branched-Chain Amino Acid Signaling Improve Disease Phenotypes in Spinal Muscular Atrophy Mice. <i>EBioMedicine</i> , 2018, 31, 226-242.	2.7	37
83	Involvement of Protein Kinase A in Patterning of the Mouse Somatosensory Cortex. <i>Journal of Neuroscience</i> , 2006, 26, 5393-5401.	1.7	36
84	The importance of exposure to human material in anatomical education: A philosophical perspective. <i>Anatomical Sciences Education</i> , 2008, 1, 264-266.	2.5	36
85	Protein product of <i>CLN6</i> gene responsible for variant late-onset infantile neuronal ceroid lipofuscinosis interacts with CRMP2. <i>Journal of Neuroscience Research</i> , 2009, 87, 2157-2166.	1.3	36
86	The Anatomical Society's core anatomy syllabus for undergraduate nursing. <i>Journal of Anatomy</i> , 2018, 232, 721-728.	0.9	36
87	Comparative anatomy of the mammalian neuromuscular junction. <i>Journal of Anatomy</i> , 2020, 237, 827-836.	0.9	36
88	Neuromuscular junctions are stable in patients with cancer cachexia. <i>Journal of Clinical Investigation</i> , 2020, 130, 1461-1465.	3.9	35
89	Proteomic mapping of differentially vulnerable pre-synaptic populations identifies regulators of neuronal stability in vivo. <i>Scientific Reports</i> , 2017, 7, 12412.	1.6	34
90	Morphological Characteristics of Motor Neurons Do Not Determine Their Relative Susceptibility to Degeneration in a Mouse Model of Severe Spinal Muscular Atrophy. <i>PLoS ONE</i> , 2012, 7, e52605.	1.1	32

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91	Restoration of SMN in Schwann cells reverses myelination defects and improves neuromuscular function in spinal muscular atrophy. <i>Human Molecular Genetics</i> , 2016, 25, ddw141.	1.4	32
92	Label-free proteomics identifies Calreticulin and GRP75/Mortalin as peripherally accessible protein biomarkers for spinal muscular atrophy. <i>Genome Medicine</i> , 2013, 5, 95.	3.6	31
93	A Guide to Modern Quantitative Fluorescent Western Blotting with Troubleshooting Strategies. <i>Journal of Visualized Experiments</i> , 2014, , e52099.	0.2	31
94	Morphologic and Functional Correlates of Synaptic Pathology in the Cathepsin D Knockout Mouse Model of Congenital Neuronal Ceroid Lipofuscinosis. <i>Journal of Neuropathology and Experimental Neurology</i> , 2011, 70, 1089-1096.	0.9	30
95	Commonality amid diversity: Multi-study proteomic identification of conserved disease mechanisms in spinal muscular atrophy. <i>Neuromuscular Disorders</i> , 2016, 26, 560-569.	0.3	30
96	ApoE isoform-specific regulation of regeneration in the peripheral nervous system. <i>Human Molecular Genetics</i> , 2011, 20, 2406-2421.	1.4	29
97	UBA1/GARS-dependent pathways drive sensory-motor connectivity defects in spinal muscular atrophy. <i>Brain</i> , 2018, 141, 2878-2894.	3.7	29
98	Loss of translation elongation factor (<i>eEF1A2</i>) expression <i>in vivo</i> differentiates between Wallerian degeneration and dying-back neuronal pathology. <i>Journal of Anatomy</i> , 2008, 213, 633-645.	0.9	28
99	Murine cathepsin D deficiency is associated with dysmyelination/myelin disruption and accumulation of cholesteryl esters in the brain. <i>Journal of Neurochemistry</i> , 2010, 112, 193-203.	2.1	28
100	Molecular neuropathology of the synapse in sheep with <i>CLN5</i> Batten disease. <i>Brain and Behavior</i> , 2015, 5, e00401.	1.0	28
101	Using mouse cranial muscles to investigate neuromuscular pathology <i>in vivo</i> . <i>Neuromuscular Disorders</i> , 2010, 20, 740-743.	0.3	26
102	Modified cell cycle status in a mouse model of altered neuronal vulnerability (slow Wallerian) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302	13.9	25
103	Post-mortem brain analyses of the Lothian Birth Cohort 1936: extending lifetime cognitive and brain phenotyping to the level of the synapse. <i>Acta Neuropathologica Communications</i> , 2015, 3, 53.	2.4	25
104	Viral delivery of C9ORF72 hexanucleotide repeat expansions in mice lead to repeat length dependent neuropathology and behavioral deficits. <i>DMM Disease Models and Mechanisms</i> , 2017, 10, 859-868.	1.2	25
105	A neurological phenotype in mice with DNA repair gene <i>Ercc1</i> deficiency. <i>DNA Repair</i> , 2008, 7, 281-291.	1.3	24
106	Molecular Mechanisms Underlying Sensory-Motor Circuit Dysfunction in SMA. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 59.	1.4	24
107	Induction of Cell Stress in Neurons from Transgenic Mice Expressing Yellow Fluorescent Protein: Implications for Neurodegeneration Research. <i>PLoS ONE</i> , 2011, 6, e17639.	1.1	24
108	Increased levels of <i>UCHL1</i> are a compensatory response to disrupted ubiquitin homeostasis in spinal muscular atrophy and do not represent a viable therapeutic target. <i>Neuropathology and Applied Neurobiology</i> , 2014, 40, 873-887.	1.8	23

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109	Analysis of gene expression in the nervous system identifies key genes and novel candidates for health and disease. <i>Neurogenetics</i> , 2017, 18, 81-95.	0.7	23
110	Pre-natal manifestation of systemic developmental abnormalities in spinal muscular atrophy. <i>Human Molecular Genetics</i> , 2020, 29, 2674-2683.	1.4	23
111	Anatomical sciences at the University of Edinburgh: Initial experiences of teaching anatomy online. <i>Translational Research in Anatomy</i> , 2020, 19, 100065.	0.3	22
112	Ultrastructural correlates of synapse withdrawal at axotomized neuromuscular junctions in mutant and transgenic mice expressing the Wld gene. <i>Journal of Anatomy</i> , 2003, 203, 265-276.	0.9	21
113	Regional Molecular Mapping of Primate Synapses during Normal Healthy Aging. <i>Cell Reports</i> , 2019, 27, 1018-1026.e4.	2.9	20
114	Terminal Schwann cells at the human neuromuscular junction. <i>Brain Communications</i> , 2021, 3, fcab081.	1.5	20
115	Sideroflexin 3 is a α -synuclein-dependent mitochondrial protein that regulates synaptic morphology. <i>Journal of Cell Science</i> , 2017, 130, 325-331.	1.2	19
116	aNMJ-morph: a simple macro for rapid analysis of neuromuscular junction morphology. <i>Royal Society Open Science</i> , 2020, 7, 200128.	1.1	19
117	Dissection of the α -Transversus Abdominis Muscle for Whole-mount Neuromuscular Junction Analysis. <i>Journal of Visualized Experiments</i> , 2014, , e51162.	0.2	17
118	Activity-dependent degeneration of axotomized neuromuscular synapses in WldS mice. <i>Neuroscience</i> , 2015, 290, 300-320.	1.1	17
119	Upregulation of PKD1L2 provokes a complex neuromuscular disease in the mouse. <i>Human Molecular Genetics</i> , 2009, 18, 3553-3566.	1.4	16
120	Quantitative tractography and tract shape modeling in amyotrophic lateral sclerosis. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 38, 1140-1145.	1.9	16
121	Developmental and degenerative cardiac defects in the Taiwanese mouse model of severe spinal muscular atrophy. <i>Journal of Anatomy</i> , 2018, 232, 965-978.	0.9	16
122	SMN Depleted Mice Offer a Robust and Rapid Onset Model of Nonalcoholic Fatty Liver Disease. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021, 12, 354-377.e3.	2.3	16
123	Rapid loss of motor nerve terminals following hypoxia-reperfusion injury occurs via mechanisms distinct from classic Wallerian degeneration. <i>Journal of Anatomy</i> , 2008, 212, 827-835.	0.9	15
124	VCP binding influences intracellular distribution of the slow Wallerian degeneration protein, WldS. <i>Molecular and Cellular Neurosciences</i> , 2008, 38, 325-340.	1.0	15
125	Multi-Study Proteomic and Bioinformatic Identification of Molecular Overlap between Amyotrophic Lateral Sclerosis (ALS) and Spinal Muscular Atrophy (SMA). <i>Brain Sciences</i> , 2018, 8, 212.	1.1	15
126	Motor neuron translome reveals deregulation of SYNGR4 and PLEKHB1 in mutant TDP-43 amyotrophic lateral sclerosis models. <i>Human Molecular Genetics</i> , 2020, 29, 2647-2661.	1.4	15

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127	Myo-GDNF increases non-functional polyinnervation of reinnervated mouse muscle. <i>NeuroReport</i> , 2004, 15, 21-25.	0.6	14
128	Neurochondrin interacts with the SMN protein suggesting a novel mechanism for Spinal Muscular Atrophy pathology. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	14
129	Immature Dentate Granule Cells Require Ntrk2/Trkb for the Formation of Functional Hippocampal Circuitry. <i>IScience</i> , 2020, 23, 101078.	1.9	14
130	Revisiting the role of mitochondria in spinal muscular atrophy. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 4785-4804.	2.4	14
131	Increasing SMN levels using the histone deacetylase inhibitor SAHA ameliorates defects in skeletal muscle microvasculature in a mouse model of severe spinal muscular atrophy. <i>Neuroscience Letters</i> , 2013, 544, 100-104.	1.0	13
132	Renal pathology in a mouse model of severe Spinal Muscular Atrophy is associated with downregulation of Glial Cell-Line Derived Neurotrophic Factor (GDNF). <i>Human Molecular Genetics</i> , 2020, 29, 2365-2378.	1.4	13
133	Synaptic Protection in the Brain of Wlds Mice Occurs Independently of Age but Is Sensitive to Gene-Dose. <i>PLoS ONE</i> , 2010, 5, e15108.	1.1	12
134	Robust Comparison of Protein Levels Across Tissues and Throughout Development Using Standardized Quantitative Western Blotting. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	12
135	Automated <i>in vivo</i> drug screen in zebrafish identifies synapse-stabilising drugs with relevance to spinal muscular atrophy. <i>DMM Disease Models and Mechanisms</i> , 2021, 14, .	1.2	12
136	Design of a novel quantitative PCR (QPCR)-based protocol for genotyping mice carrying the neuroprotective Wallerian degeneration slow (Wlds) gene. <i>Molecular Neurodegeneration</i> , 2007, 2, 21.	4.4	11
137	Axotomy-dependent and -independent synapse elimination in organ cultures of Wlds mutant mouse skeletal muscle. <i>Journal of Neuroscience Research</i> , 2004, 76, 64-75.	1.3	10
138	The response of neuromuscular junctions to injury is developmentally regulated. <i>FASEB Journal</i> , 2011, 25, 1306-1313.	0.2	10
139	Historical Tropical Forest Reliance amongst the Wanniyalaeto (Vedda) of Sri Lanka: an Isotopic Perspective. <i>Human Ecology</i> , 2018, 46, 435-444.	0.7	9
140	Lamin A/C dysregulation contributes to cardiac pathology in a mouse model of severe spinal muscular atrophy. <i>Human Molecular Genetics</i> , 2019, 28, 3515-3527.	1.4	9
141	Examining the impact of audience response systems on student performance in anatomy education: a randomised controlled trial. <i>Scottish Medical Journal</i> , 2018, 63, 16-21.	0.7	8
142	Counting the cost of spinal muscular atrophy. <i>Journal of Medical Economics</i> , 2016, 19, 827-828.	1.0	7
143	Targeting synaptic pathology in multiple sclerosis: fingolimod to the rescue?. <i>British Journal of Pharmacology</i> , 2012, 165, 858-860.	2.7	6
144	The influence of storage parameters on measurement of survival motor neuron (SMN) protein levels: Implications for pre-clinical studies and clinical trials for spinal muscular atrophy. <i>Neuromuscular Disorders</i> , 2014, 24, 973-977.	0.3	6

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145	Anatomy: back in the public spotlight. <i>Lancet, The</i> , 2015, 385, 1825.	6.3	6
146	Dawn of a new therapeutic era for spinal muscular atrophy. <i>Lancet, The</i> , 2016, 388, 2964-2965.	6.3	6
147	A new core gross anatomy syllabus for medicine. <i>Anatomical Sciences Education</i> , 2016, 9, 209-210.	2.5	6
148	Expression of the neuroprotective slow Wallerian degeneration (Wld S) gene in non-neuronal tissues. <i>BMC Neuroscience</i> , 2009, 10, 148.	0.8	5
149	Neutralisation of SARS-CoV-2 by anatomical embalming solutions. <i>Journal of Anatomy</i> , 2021, 239, 1221-1225.	0.9	5
150	Anatomical, functional and biomechanical review of the glenoid labrum. <i>Journal of Anatomy</i> , 2022, 240, 761-771.	0.9	4
151	264th ENMC International Workshop: Multi-system involvement in spinal muscular atrophy Hoofddorp, the Netherlands, November 19th – 21st 2021. <i>Neuromuscular Disorders</i> , 2022, 32, 697-705.	0.3	4
152	How far away is spinal muscular atrophy gene therapy?. <i>Expert Review of Neurotherapeutics</i> , 2015, 15, 965-968.	1.4	3
153	Putting gross anatomy into the curriculum: New anatomy syllabi for nursing and pharmacy students. <i>Anatomical Sciences Education</i> , 2018, 11, 427-428.	2.5	2
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