

# Hugh J Mcmillan

## List of Publications by Year in descending order

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Version: 2024-02-01

122  
papers

3,057  
citations

159358

30  
h-index

197535

49  
g-index

127  
all docs

127  
docs citations

127  
times ranked

4448  
citing authors

#	ARTICLE	IF	CITATIONS
1	Myostatin inhibitor ACE031 treatment of ambulatory boys with Duchenne muscular dystrophy: Results of a randomized, placebo-controlled clinical trial. <i>Muscle and Nerve</i> , 2017, 55, 458-464.	1.0	176
2	Hepatotoxicity following administration of onasemnogene abeparvovec (AVXS-101) for the treatment of spinal muscular atrophy. <i>Journal of Hepatology</i> , 2021, 74, 560-566.	1.8	143
3	Life expectancy at birth in Duchenne muscular dystrophy: a systematic review and meta-analysis. <i>European Journal of Epidemiology</i> , 2020, 35, 643-653.	2.5	132
4	The use of intravenous bisphosphonate therapy to treat vertebral fractures due to osteoporosis among boys with Duchenne muscular dystrophy. <i>Osteoporosis International</i> , 2012, 23, 2703-2711.	1.3	115
5	Emergence of the Primary Pediatric Stroke Center. <i>Stroke</i> , 2014, 45, 2018-2023.	1.0	108
6	Onasemnogene abeparvovec for presymptomatic infants with two copies of SMN2 at risk for spinal muscular atrophy type 1: the Phase III SPR1NT trial. <i>Nature Medicine</i> , 2022, 28, 1381-1389.	15.2	99
7	Newborn screening programs for spinal muscular atrophy worldwide: Where we stand and where to go. <i>Neuromuscular Disorders</i> , 2021, 31, 574-582.	0.3	94
8	Pan-viral serology implicates enteroviruses in acute flaccid myelitis. <i>Nature Medicine</i> , 2019, 25, 1748-1752.	15.2	93
9	Onasemnogene abeparvovec for presymptomatic infants with three copies of SMN2 at risk for spinal muscular atrophy: the Phase III SPR1NT trial. <i>Nature Medicine</i> , 2022, 28, 1390-1397.	15.2	93
10	Debunking Occam's razor: Diagnosing multiple genetic diseases in families by whole-exome sequencing. <i>Clinical Genetics</i> , 2017, 92, 281-289.	1.0	92
11	Medical students' perception of lesbian, gay, bisexual, and transgender (LGBT) discrimination in their learning environment and their self-reported comfort level for caring for LGBT patients: a survey study. <i>Medical Education Online</i> , 2017, 22, 1368850.	1.1	88
12	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
13	Serum Transaminase Levels in Boys With Duchenne and Becker Muscular Dystrophy. <i>Pediatrics</i> , 2011, 127, e132-e136.	1.0	63
14	Childhood chronic inflammatory demyelinating polyradiculoneuropathy: Combined analysis of a large cohort and eleven published series. <i>Neuromuscular Disorders</i> , 2013, 23, 103-111.	0.3	62
15	Specific combination of compound heterozygous mutations in 17 $\beta$ -hydroxysteroid dehydrogenase type 4 (HSD17B4) defines a new subtype of D-bifunctional protein deficiency. <i>Orphanet Journal of Rare Diseases</i> , 2012, 7, 90.	1.2	60
16	The time to and determinants of first fractures in boys with Duchenne muscular dystrophy. <i>Osteoporosis International</i> , 2017, 28, 597-608.	1.3	59
17	Developing standardized corticosteroid treatment for Duchenne muscular dystrophy. <i>Contemporary Clinical Trials</i> , 2017, 58, 34-39.	0.8	56
18	Ophthalmoplegic Migraine: Inflammatory Neuropathy with Secondary Migraine?. <i>Canadian Journal of Neurological Sciences</i> , 2007, 34, 349-355.	0.3	55

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19	Risk of Intracranial Hemorrhage Following Intravenous tPA (Tissue-Type Plasminogen Activator) for Acute Stroke Is Low in Children. <i>Stroke</i> , 2020, 51, 542-548.	1.0	52
20	Brainstem compression: a predictor of postoperative cerebellar mutism. <i>Child's Nervous System</i> , 2009, 25, 677-681.	0.6	49
21	Bone Health and Osteoporosis Management of the Patient With Duchenne Muscular Dystrophy. <i>Pediatrics</i> , 2018, 142, S34-S42.	1.0	48
22	Congenital Visual Impairment and Progressive Microcephaly Due to Lysyl-tRNA Synthetase (KARS) Mutations. <i>Journal of Child Neurology</i> , 2015, 30, 1037-1043.	0.7	47
23	Lumbar puncture simulation in pediatric residency training: improving procedural competence and decreasing anxiety. <i>BMC Medical Education</i> , 2016, 16, 198.	1.0	43
24	Enhanced cGAS-STING-dependent interferon signaling associated with mutations in ATAD3A. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	43
25	Effect of Different Corticosteroid Dosing Regimens on Clinical Outcomes in Boys With Duchenne Muscular Dystrophy. <i>JAMA - Journal of the American Medical Association</i> , 2022, 327, 1456.	3.8	43
26	Evidence for clinical, genetic and biochemical variability in spinal muscular atrophy with progressive myoclonic epilepsy. <i>Clinical Genetics</i> , 2014, 86, 558-563.	1.0	42
27	Compound heterozygous mutations in glycyl-tRNA synthetase are a proposed cause of systemic mitochondrial disease. <i>BMC Medical Genetics</i> , 2014, 15, 36.	2.1	41
28	WATERSHED INFARCTION DUE TO ACUTE HYPEREOSINOPHILIA. <i>Neurology</i> , 2008, 70, 80-82.	1.5	34
29	Histomorphometry and Bone Matrix Mineralization Before and After Bisphosphonate Treatment in Boys With Duchenne Muscular Dystrophy: A Paired Transiliac Biopsy Study. <i>Journal of Bone and Mineral Research</i> , 2016, 31, 1060-1069.	3.1	34
30	Length of delay to birth of a second litter in dwarf hamsters ( <i>Phodopus</i> ): Evidence for post-implantation embryonic diapause. <i>The Journal of Experimental Zoology</i> , 1997, 278, 106-114.	1.4	30
31	Expert recommendations and clinical considerations in the use of onasemnogene abeparvovec gene therapy for spinal muscular atrophy. <i>Muscle and Nerve</i> , 2021, 64, 413-427.	1.0	30
32	Recessive mutations in ATP8A2 cause severe hypotonia, cognitive impairment, hyperkinetic movement disorders and progressive optic atrophy. <i>Orphanet Journal of Rare Diseases</i> , 2018, 13, 86.	1.2	29
33	Duchenne Muscular Dystrophy: Canadian Paediatric Neuromuscular Physicians Survey. <i>Canadian Journal of Neurological Sciences</i> , 2010, 37, 195-205.	0.3	27
34	Hereditary neuropathy with liability to pressure palsies in childhood: Case series and literature update. <i>Neuromuscular Disorders</i> , 2015, 25, 693-698.	0.3	26
35	Obesity and Endocrine Management of the Patient With Duchenne Muscular Dystrophy. <i>Pediatrics</i> , 2018, 142, S43-S52.	1.0	26
36	A checklist for clinical trials in rare disease: obstacles and anticipatory actions—lessons learned from the FOR-DMD trial. <i>Trials</i> , 2018, 19, 291.	0.7	26

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37	Bi-allelic variants in the mitochondrial RNase P subunit PRORP cause mitochondrial tRNA processing defects and pleiotropic multisystem presentations. <i>American Journal of Human Genetics</i> , 2021, 108, 2195-2204.	2.6	26
38	Association Between Chronic Aspiration and Chronic Airway Infection with <i>Pseudomonas aeruginosa</i> and Other Gram-Negative Bacteria in Children with Cerebral Palsy. <i>Lung</i> , 2016, 194, 307-314.	1.4	25
39	Autoimmune Neuromuscular Disorders in Childhood. <i>Current Treatment Options in Neurology</i> , 2011, 13, 590-607.	0.7	24
40	Chemotherapy-induced Peripheral Neuropathy Among Paediatric Oncology Patients. <i>Canadian Journal of Neurological Sciences</i> , 2014, 41, 442-447.	0.3	23
41	Divergent reproductive endocrinology of the estrous cycle and pregnancy in dwarf hamsters ( <i>Phodopus</i> ). <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 1999, 124, 53-67.	0.8	20
42	Association of Early-Onset Spasticity and Risk for Cognitive Impairment With Mutations at Amino Acid 499 in <i>SPAST</i> . <i>Journal of Child Neurology</i> , 2018, 33, 329-332.	0.7	20
43	Compound heterozygous <i>CACNA1H</i> mutations associated with severe congenital amyotrophy. <i>Channels</i> , 2019, 13, 153-161.	1.5	20
44	Evolutionary Change in the Endocrinology of Behavioral Receptivity: Divergent Roles for Progesterone and Prolactin within the Genus <i>Phodopus</i> . <i>Biology of Reproduction</i> , 1998, 59, 30-38.	1.2	19
45	Detailed Biochemical and Bioenergetic Characterization of FBXL4-Related Encephalomyopathic Mitochondrial DNA Depletion. <i>JIMD Reports</i> , 2015, 27, 1-9.	0.7	19
46	Disability, Quality of Life, and Pain Coping in Pediatric Migraine: An Observational Study. <i>Journal of Child Neurology</i> , 2017, 32, 717-724.	0.7	19
47	Chiari 1 malformation and holocord syringomyelia presenting as abrupt onset foot drop. <i>Child's Nervous System</i> , 2011, 27, 183-186.	0.6	18
48	Newborn Screening for Spinal Muscular Atrophy: Ontario Testing and Follow-up Recommendations. <i>Canadian Journal of Neurological Sciences</i> , 2021, 48, 504-511.	0.3	18
49	Acute asymmetrical spinal infarct secondary to fibrocartilaginous embolism. <i>Child's Nervous System</i> , 2015, 31, 487-491.	0.6	17
50	Homozygous contiguous gene deletion of 13q12 causing LGMD2C and ARSACS in the same patient. <i>Muscle and Nerve</i> , 2009, 39, 396-399.	1.0	16
51	The CNDR: Collaborating to Translate New Therapies for Canadians. <i>Canadian Journal of Neurological Sciences</i> , 2013, 40, 698-704.	0.3	16
52	Adolescent onset cognitive regression and neuropsychiatric symptoms associated with the A140V <i>MECP2</i> mutation. <i>Developmental Medicine and Child Neurology</i> , 2014, 56, 91-94.	1.1	16
53	Autosomal recessive axonal polyneuropathy in a sibling pair due to a novel homozygous mutation in <i>IGHMBP2</i> . <i>Neuromuscular Disorders</i> , 2015, 25, 794-799.	0.3	16
54	Costs of Illness of Spinal Muscular Atrophy: A Systematic Review. <i>Applied Health Economics and Health Policy</i> , 2021, 19, 501-520.	1.0	16

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55	Early infantile epileptic encephalopathy due to biallelic pathogenic variants in <i>PIGQ</i> : Report of seven new subjects and review of the literature. <i>Journal of Inherited Metabolic Disease</i> , 2020, 43, 1321-1332.	1.7	15
56	Novel MPZ mutations and congenital hypomyelinating neuropathy. <i>Neuromuscular Disorders</i> , 2010, 20, 725-729.	0.3	14
57	Utility and practice of electrodiagnostic testing in the pediatric population: An AANEM consensus statement. <i>Muscle and Nerve</i> , 2020, 61, 143-155.	1.0	14
58	A splice variant in <i>ATAD3A</i> expands the clinical and genetic spectrum of Harel-Yoon syndrome. <i>Neurology: Genetics</i> , 2020, 6, e452.	0.9	14
59	Survival Motor Neuron Protein is Released from Cells in Exosomes: A Potential Biomarker for Spinal Muscular Atrophy. <i>Scientific Reports</i> , 2017, 7, 13859.	1.6	13
60	Periodic breathing in patients with NALCN mutations. <i>Journal of Human Genetics</i> , 2018, 63, 1093-1096.	1.1	13
61	Novel variants in <i>TUBA1A</i> cause congenital fibrosis of the extraocular muscles with or without malformations of cortical brain development. <i>European Journal of Human Genetics</i> , 2021, 29, 816-826.	1.4	13
62	A Randomized, Double-Blind, Placebo-Controlled, Global Phase 3 Study of Edasalonexent in Pediatric Patients with Duchenne Muscular Dystrophy: Results of the PolarisDMD Trial. <i>Journal of Neuromuscular Diseases</i> , 2021, 8, 769-784.	1.1	13
63	Onasemnogene abeparvovec for the treatment of spinal muscular atrophy. <i>Expert Opinion on Biological Therapy</i> , 2022, 22, 1075-1090.	1.4	13
64	2022 HRS expert consensus statement on evaluation and management of arrhythmic risk in neuromuscular disorders. <i>Heart Rhythm</i> , 2022, 19, e61-e120.	0.3	13
65	Electrophysiologic Evidence for Anterior Horn Cell Disease in Amyoplasia. <i>Pediatric Neurology</i> , 2010, 43, 142-147.	1.0	12
66	Pediatric sciatic neuropathy associated with neoplasms. <i>Muscle and Nerve</i> , 2011, 43, 183-188.	1.0	12
67	A Novel Mutation in <i>MARS</i> in a Patient with Charcot-Marie-Tooth Disease, Axonal, Type 2U with Congenital Onset. <i>Journal of Neuromuscular Diseases</i> , 2019, 6, 333-339.	1.1	12
68	Diagnosis and outcome of childhood perineurioma. <i>Child's Nervous System</i> , 2016, 32, 1555-1560.	0.6	11
69	The Canadian Neuromuscular Disease Registry: Connecting patients to national and international research opportunities. <i>Paediatrics and Child Health</i> , 2018, 23, 20-26.	0.3	11
70	Higher-Quality Data Collection Is Critical to Establish the Safety and Efficacy of Pediatric Mechanical Thrombectomy. <i>Stroke</i> , 2021, 52, 1213-1221.	1.0	10
71	A Report of Hereditary Neuropathy with Liability to Pressure Palsy (HNPP) Presenting with Brachial Plexopathy: The Value of Complete Electrodiagnostic Testing. <i>American Journal of Electroneurodiagnostic Technology</i> , 2011, 51, 183-190.	0.3	9
72	Cranial nerve hypertrophy in pediatric chronic inflammatory demyelinating polyradiculoneuropathy. <i>Pediatric Radiology</i> , 2010, 40, 176-176.	1.1	8

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73	Achalasia, chronic sensory neuropathy, and N-type calcium channel autoantibodies: beneficial response to IVIG. <i>Clinical Journal of Gastroenterology</i> , 2010, 3, 78-82.	0.4	8
74	Canadian Paediatric Neurology Workforce Survey and Consensus Statement. <i>Canadian Journal of Neurological Sciences</i> , 2016, 43, 402-409.	0.3	8
75	Myotonic Myopathy With Secondary Joint and Skeletal Anomalies From the c.2386C>G, p.L796V Mutation in SCN4A. <i>Frontiers in Neurology</i> , 2020, 11, 77.	1.1	8
76	Routine lung volume recruitment in boys with Duchenne muscular dystrophy: a randomised clinical trial. <i>Thorax</i> , 2022, 77, 805-811.	2.7	8
77	Congenital Nemaline Myopathy: The Value of Magnetic Resonance Imaging of Muscle. <i>Canadian Journal of Neurological Sciences</i> , 2015, 42, 338-340.	0.3	7
78	We need a "made in Canada" orphan drug framework. <i>Cmaj</i> , 2017, 189, E1274-E1275.	0.9	7
79	Phosphoserine aminotransferase deficiency: imaging findings in a child with congenital microcephaly. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2020, 33, 1033-1035.	0.7	7
80	Characterization of physical literacy in children with chronic medical conditions compared with healthy controls: a cross-sectional study. <i>Applied Physiology, Nutrition and Metabolism</i> , 2021, 46, 1073-1082.	0.9	7
81	Ontario Newborn Screening for Spinal Muscular Atrophy: The First Year. <i>Canadian Journal of Neurological Sciences</i> , 2022, 49, 821-823.	0.3	7
82	Holocord syringomyelia presenting as rapidly progressive foot drop. <i>Journal of Neurosciences in Rural Practice</i> , 2011, 02, 195-196.	0.3	6
83	A National Spinal Muscular Atrophy Registry for Real-World Evidence. <i>Canadian Journal of Neurological Sciences</i> , 2020, 47, 810-815.	0.3	6
84	Pediatric monomelic amyotrophy: Evidence for poliomyelitis in vulnerable populations. <i>Muscle and Nerve</i> , 2009, 40, 860-863.	1.0	5
85	Intermittent glucocorticoid regimes for younger boys with duchenne muscular dystrophy: Balancing efficacy with side effects. <i>Muscle and Nerve</i> , 2019, 59, 638-639.	1.0	5
86	Inflammatory Changes in Limb Girdle Muscular Dystrophy Type 2I. <i>Canadian Journal of Neurological Sciences</i> , 2013, 40, 875-877.	0.3	4
87	Nusinersen: Evidence of sustained clinical improvement and lessened fatigue in older ambulatory patients with spinal muscular atrophy. <i>Muscle and Nerve</i> , 2020, 61, 1-2.	1.0	4
88	Health related quality of life in young, steroid-naïve boys with Duchenne muscular dystrophy. <i>Neuromuscular Disorders</i> , 2021, 31, 1161-1168.	0.3	4
89	Brachial Plexopathy and Nonaccidental Injury: Role of the Neurologist. <i>Journal of Child Neurology</i> , 2010, 25, 620-622.	0.7	3
90	Subdural haemorrhage and severe coagulopathy resulting in transtentorial uncal herniation in a neonate undergoing therapeutic hypothermia. <i>BMJ Case Reports</i> , 2014, 2014, bcr2013203080-bcr2013203080.	0.2	3

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91	Mononeuritis multiplex associated with minocycline in an adolescent. <i>Muscle and Nerve</i> , 2017, 56, E33-E35.	1.0	3
92	Worster-Drought Syndrome Associated With <i>LINS</i> Mutations. <i>Child Neurology Open</i> , 2018, 5, 2329048X1879108.	0.5	3
93	Whole genome sequencing reveals biallelic <i>PLA2G6</i> mutations in siblings with cerebellar atrophy and cap myopathy. <i>Clinical Genetics</i> , 2021, 99, 746-748.	1.0	3
94	Pediatric Hyperacute Arterial Ischemic Stroke Pathways at Canadian Tertiary Care Hospitals. <i>Canadian Journal of Neurological Sciences</i> , 2021, , 1-8.	0.3	3
95	Whole genome sequencing identifies pathogenic <i>RNU4ATAC</i> variants in a child with recurrent encephalitis, microcephaly, and normal stature. <i>American Journal of Medical Genetics, Part A</i> , 2021, 185, 3502-3506.	0.7	3
96	Not so Shocking: Electromyography in Pediatrics Remains Feasible and Diagnostically Useful. <i>Canadian Journal of Neurological Sciences</i> , 2022, 49, 696-702.	0.3	3
97	Overview of Pediatric Peripheral Neuropathies. , 2015, , 274-288.		2
98	Case 2: Gross Motor Regression in an 18-month-old Girl. <i>Pediatrics in Review</i> , 2017, 38, 95-95.	0.2	2
99	Family Perspectives on Visiting the Pediatric Emergency Department for Migraine. <i>Pediatric Emergency Care</i> , 2017, Publish Ahead of Print, e310-e317.	0.5	2
100	Response to the Canadian Agency for Drugs and Technologies in Health and Institut national d'excelle <sup>nce</sup> en sant <sup>e</sup> et en services sociaux decision regarding nusinersen for Spinal Muscular Atrophy. <i>Canadian Journal of Neurological Sciences</i> , 2018, 45, 516-517.	0.3	2
101	“Owl’s Eye” Sign in Acute Flaccid Paralysis. <i>Canadian Journal of Neurological Sciences</i> , 2019, 46, 756-757.	0.3	2
102	Muscle problems in juvenile-onset acid maltase deficiency (Pompe disease). <i>Paediatrics and Child Health</i> , 2019, 24, 270-271.	0.3	2
103	Developmental delay and neuropsychiatric comorbidities associated with Duchenne and Becker muscular dystrophy. <i>Muscle and Nerve</i> , 2020, 61, 127-128.	1.0	2
104	Drisapersen associated with elevated serum factor VIII levels in Duchenne muscular dystrophy. <i>Neurology</i> , 2020, 94, 538-540.	1.5	2
105	Congenital muscular dystrophies: New evidence-based guidelines for the diagnosis and management of this evolving group of muscle disorders. <i>Muscle and Nerve</i> , 2015, 51, 791-792.	1.0	1
106	Chronic Inflammatory Demyelinating Polyradiculoneuropathy. , 2015, , 398-417.		1
107	Congenital Trismus From Brainstem Dysgenesis: Case Report and Review of Literature. <i>Pediatrics</i> , 2016, 138, .	1.0	1
108	Pediatric Neurology Workforce in Canada: A 5-Year Update. <i>Canadian Journal of Neurological Sciences</i> , 2019, 46, 566-574.	0.3	1

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109	014â€¦AVXS-101 gene-replacement therapy (GRT) in presymptomatic spinal muscular atrophy (SMA): study update. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2019, 90, A5.3-A6.	0.9	1
110	STACKING EXERCISES ATTENUATE THE DECLINE IN FVC AND SICK TIME (STEADFAST). <i>Chest</i> , 2019, 156, A245-A246.	0.4	1
111	Sensitivity, specificity, and reliability of the Get Active Questionnaire for identifying children with medically necessary special considerations for physical activity. <i>Applied Physiology, Nutrition and Metabolism</i> , 2019, 44, 736-743.	0.9	1
112	Inhaled Solvent Abuse Mimicking Chronic Inflammatory Demyelinating Polyradiculoneuropathy. <i>Child Neurology Open</i> , 2020, 7, 2329048X2093491.	0.5	1
113	Neurophysiological Characteristics of Allgrove (Triple A) Syndrome: Case Report and Literature Review. <i>Child Neurology Open</i> , 2021, 8, 2329048X2110310.	0.5	1
114	Enhancing human aspects of care with young people with muscular dystrophy: An evaluation of a participatory qualitative study with clinicians. <i>PLoS ONE</i> , 2022, 17, e0263956.	1.1	1
115	Guidance on Gene Replacement Therapy in Spinal Muscular Atrophy: A Canadian Perspective. <i>Canadian Journal of Neurological Sciences</i> , 2021, , 1-4.	0.3	0
116	Biomarkers in Duchenne and Becker muscular dystrophies. <i>Muscle and Nerve</i> , 2021, 64, 4-5.	1.0	0
117	Intrinsic peripheral nerve and root tumor and pseudotumoral lesions at a tertiary care pediatric hospital. <i>Child's Nervous System</i> , 2021, 37, 1229-1236.	0.6	0
118	Acquired and Hereditary Neuropathies. , 2017, , 245-264.		0
119	Neuromuscular Complications in the Critically Ill Child. , 2017, , 355-369.		0
120	Radiculopathies and Plexopathies. , 2017, , 221-243.		0
121	Commentary. <i>Journal of Neurosciences in Rural Practice</i> , 2011, 2, 196-7.	0.3	0
122	<i>NTRK1</i>-related Hereditary Sensory and Autonomic Neuropathy Type 4: The Role of the Histamine Challenge Test. <i>Child Neurology Open</i> , 2022, 9, 2329048X2211088.	0.5	0