

# Barbara K Smith

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

983  
citations

623734

14  
h-index

580821

25  
g-index

28  
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28  
docs citations

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times ranked

1153  
citing authors

#	ARTICLE	IF	CITATIONS
1	Acute intermittent hypoxia and respiratory muscle recruitment in people with amyotrophic lateral sclerosis: A preliminary study. <i>Experimental Neurology</i> , 2022, 347, 113890.	4.1	13
2	Exploring inspiratory occlusion metrics to assess respiratory drive in patients under acute intermittent hypoxia. <i>Respiratory Physiology and Neurobiology</i> , 2022, 304, 103922.	1.6	1
3	Outcome Measures Following Critical Illness in Children With Disabilities: A Scoping Review. <i>Frontiers in Pediatrics</i> , 2021, 9, 689485.	1.9	10
4	Case Studies in Neuroscience: Neuropathology and diaphragm dysfunction in ventilatory failure from late-onset Pompe disease. <i>Journal of Neurophysiology</i> , 2021, 126, 351-360.	1.8	8
5	Ultrafast ultrasound responses to twitch stimulation: bridging the gap between non-invasive and invasive tests of diaphragm contractility. <i>Journal of Physiology</i> , 2020, 598, 5599-5600.	2.9	0
6	Diaphragm remodelling following cervical spinal cord injury: Can intrinsic neural plasticity be harnessed to improve respiratory motor function?. <i>Journal of Physiology</i> , 2020, 598, 2049-2050.	2.9	0
7	Imaging respiratory muscle quality and function in Duchenne muscular dystrophy. <i>Journal of Neurology</i> , 2019, 266, 2752-2763.	3.6	23
8	Inspiratory Muscle Training in Patients With Prolonged Mechanical Ventilation: Narrative Review. <i>Cardiopulmonary Physical Therapy Journal</i> , 2019, 30, 44-50.	0.3	13
9	Dynamic respiratory muscle function in late-onset Pompe disease. <i>Scientific Reports</i> , 2019, 9, 19006.	3.3	7
10	Cough Effectiveness and Pulmonary Hygiene Practices in Patients with Pompe Disease. <i>Lung</i> , 2019, 197, 1-8.	3.3	12
11	Pompe disease gene therapy: neural manifestations require consideration of CNS directed therapy. <i>Annals of Translational Medicine</i> , 2019, 7, 290-290.	1.7	33
12	Mechanical Ventilation for Duchenne Muscular Dystrophy: Sinner or Saint?. <i>Muscle and Nerve</i> , 2018, 57, 353-355.	2.2	0
13	Inspiratory muscle conditioning exercise and diaphragm gene therapy in Pompe disease: Clinical evidence of respiratory plasticity. <i>Experimental Neurology</i> , 2017, 287, 216-224.	4.1	37
14	Safety of Intradiaphragmatic Delivery of Adeno-Associated Virus-Mediated Alpha-Glucosidase (rAAV1-CMV-hGAA) Gene Therapy in Children Affected by Pompe Disease. <i>Human Gene Therapy Clinical Development</i> , 2017, 28, 208-218.	3.1	83
15	Altered activation of the diaphragm in late-onset Pompe disease. <i>Respiratory Physiology and Neurobiology</i> , 2016, 222, 11-15.	1.6	19
16	Respiratory motor function in individuals with centronuclear myopathies. <i>Muscle and Nerve</i> , 2016, 53, 214-221.	2.2	5
17	Diaphragm Pacing as a Rehabilitative Tool for Patients With Pompe Disease Who Are Ventilator-Dependent: Case Series. <i>Physical Therapy</i> , 2016, 96, 696-703.	2.4	18
18	Altered activation of the tibialis anterior in individuals with Pompe disease: Implications for motor unit dysfunction. <i>Muscle and Nerve</i> , 2015, 51, 877-883.	2.2	19

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19	Intrinsic transient tracheal occlusion training and myogenic remodeling of rodent parasternal intercostal fibers. <i>Journal of Rehabilitation Research and Development</i> , 2014, 51, 841-854.	1.6	1
20	Phase I/II Trial of Diaphragm Delivery of Recombinant Adeno-Associated Virus Acid Alpha-Glucosidase (rAAV1-CMV-<i>GAA</i>) Gene Vector in Patients with Pompe Disease. <i>Human Gene Therapy Clinical Development</i> , 2014, 25, 134-163.	3.1	36
21	Effect of Intermittent Phrenic Nerve Stimulation During Cardiothoracic Surgery on Mitochondrial Respiration in the Human Diaphragm*. <i>Critical Care Medicine</i> , 2014, 42, e152-e156.	0.9	66
22	The respiratory neuromuscular system in Pompe disease. <i>Respiratory Physiology and Neurobiology</i> , 2013, 189, 241-249.	1.6	97
23	Mechanical ventilation, diaphragm weakness and weaning: A rehabilitation perspective. <i>Respiratory Physiology and Neurobiology</i> , 2013, 189, 377-383.	1.6	52
24	Phase I/II Trial of Adeno-Associated Virus-Mediated Alpha-Glucosidase Gene Therapy to the Diaphragm for Chronic Respiratory Failure in Pompe Disease: Initial Safety and Ventilatory Outcomes. <i>Human Gene Therapy</i> , 2013, 24, 630-640.	2.7	128
25	Inspiratory Muscle Strength Training in Infants With Congenital Heart Disease and Prolonged Mechanical Ventilation: A Case Report. <i>Physical Therapy</i> , 2013, 93, 229-236.	2.4	9
26	Chronic Intrinsic Transient Tracheal Occlusion Elicits Diaphragmatic Muscle Fiber Remodeling in Conscious Rodents. <i>PLoS ONE</i> , 2012, 7, e49264.	2.5	10
27	Inspiratory muscle strength training improves weaning outcome in failure to wean patients: a randomized trial. <i>Critical Care</i> , 2011, 15, R84.	5.8	199
28	Pompe disease gene therapy. <i>Human Molecular Genetics</i> , 2011, 20, R61-R68.	2.9	84