

Glenn A Walter

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70
papers

1,944
citations

26
h-index

43
g-index

74
ext. papers

2,277
ext. citations

4.9
avg, IF

4.43
L-index

#	Paper	IF	Citations
70	T1 mapping provides multiple approaches for the characterization of muscle involvement in neuromuscular diseases: a cross-sectional study of lower leg muscles in 5-15-year-old boys with Duchenne muscular dystrophy. <i>NMR in Biomedicine</i> , 2013 , 26, 320-8	4.4	110
69	Examination of effects of corticosteroids on skeletal muscles of boys with DMD using MRI and MRS. <i>Neurology</i> , 2014 , 83, 974-80	6.5	109
68	Quantifying fat replacement of muscle by quantitative MRI in muscular dystrophy. <i>Journal of Neurology</i> , 2017 , 264, 2053-2067	5.5	100
67	Multicenter prospective longitudinal study of magnetic resonance biomarkers in a large duchenne muscular dystrophy cohort. <i>Annals of Neurology</i> , 2016 , 79, 535-47	9.4	99
66	Relationships of thigh muscle contractile and non-contractile tissue with function, strength, and age in boys with Duchenne muscular dystrophy. <i>Neuromuscular Disorders</i> , 2012 , 22, 16-25	2.9	79
65	Magnetic resonance imaging and spectroscopy assessment of lower extremity skeletal muscles in boys with Duchenne muscular dystrophy: a multicenter cross sectional study. <i>PLoS ONE</i> , 2014 , 9, e106435	3.7	73
64	In vivo ATP synthesis rates in single human muscles during high intensity exercise. <i>Journal of Physiology</i> , 1999 , 519 Pt 3, 901-10	3.9	73
63	Chemical shift-based MRI to measure fat fractions in dystrophic skeletal muscle. <i>Magnetic Resonance in Medicine</i> , 2014 , 72, 8-19	4.4	72
62	Skeletal muscles of ambulant children with Duchenne muscular dystrophy: validation of multicenter study of evaluation with MR imaging and MR spectroscopy. <i>Radiology</i> , 2013 , 269, 198-207	20.5	65
61	Age-related differences in lower-limb muscle cross-sectional area and torque production in boys with Duchenne muscular dystrophy. <i>Archives of Physical Medicine and Rehabilitation</i> , 2010 , 91, 1051-8	2.8	65
60	13C NMR metabolomics: applications at natural abundance. <i>Analytical Chemistry</i> , 2014 , 86, 9242-50	7.8	58
59	Changes in muscle T2 and tissue damage after downhill running in mdx mice. <i>Muscle and Nerve</i> , 2011 , 43, 878-86	3.4	58
58	Use of skeletal muscle MRI in diagnosis and monitoring disease progression in Duchenne muscular dystrophy. <i>Physical Medicine and Rehabilitation Clinics of North America</i> , 2012 , 23, 1-10, ix	2.3	55
57	Noninvasive monitoring of gene correction in dystrophic muscle. <i>Magnetic Resonance in Medicine</i> , 2005 , 54, 1369-76	4.4	52
56	Noninvasive monitoring of stem cell transfer for muscle disorders. <i>Magnetic Resonance in Medicine</i> , 2004 , 51, 273-7	4.4	51
55	A model of muscle atrophy using cast immobilization in mice. <i>Muscle and Nerve</i> , 2005 , 32, 672-4	3.4	44
54	Dysferlin and myoferlin regulate transverse tubule formation and glycerol sensitivity. <i>American Journal of Pathology</i> , 2014 , 184, 248-59	5.8	43

53	Long-term systemic myostatin inhibition via liver-targeted gene transfer in golden retriever muscular dystrophy. <i>Human Gene Therapy</i> , 2011 , 22, 1499-509	4.8	43
52	Spectral quantitation by principal component analysis using complex singular value decomposition. <i>Magnetic Resonance in Medicine</i> , 1999 , 41, 450-5	4.4	43
51	Long-term skeletal muscle protection after gene transfer in a mouse model of LGMD-2D. <i>Molecular Therapy</i> , 2007 , 15, 1775-81	11.7	42
50	Correcting Neuromuscular Deficits With Gene Therapy in Pompe Disease. <i>Annals of Neurology</i> , 2015 , 78, 222-34	9.4	39
49	Skeletal muscle magnetic resonance biomarkers correlate with function and sentinel events in Duchenne muscular dystrophy. <i>PLoS ONE</i> , 2018 , 13, e0194283	3.7	38
48	Magnetic Resonance Assessment of Hypertrophic and Pseudo-Hypertrophic Changes in Lower Leg Muscles of Boys with Duchenne Muscular Dystrophy and Their Relationship to Functional Measurements. <i>PLoS ONE</i> , 2015 , 10, e0128915	3.7	34
47	Noninvasive monitoring of muscle damage during reloading following limb disuse. <i>Muscle and Nerve</i> , 2005 , 32, 605-12	3.4	34
46	Exploration of New Contrasts, Targets, and MR Imaging and Spectroscopy Techniques for Neuromuscular Disease - A Workshop Report of Working Group 3 of the Biomedicine and Molecular Biosciences COST Action BM1304 MYO-MRI. <i>Journal of Neuromuscular Diseases</i> , 2019 , 6, 1-30	5	32
45	Assessment of intramuscular lipid and metabolites of the lower leg using magnetic resonance spectroscopy in boys with Duchenne muscular dystrophy. <i>Neuromuscular Disorders</i> , 2014 , 24, 574-82	2.9	28
44	Longitudinal timed function tests in Duchenne muscular dystrophy: ImagingDMD cohort natural history. <i>Muscle and Nerve</i> , 2018 , 58, 631-638	3.4	25
43	lacZ as a genetic reporter for real-time MRI. <i>Magnetic Resonance in Medicine</i> , 2010 , 63, 745-53	4.4	25
42	MR biomarkers predict clinical function in Duchenne muscular dystrophy. <i>Neurology</i> , 2020 , 94, e897-e906	3.5	24
41	Modeling disease trajectory in Duchenne muscular dystrophy. <i>Neurology</i> , 2020 , 94, e1622-e1633	6.5	21
40	Texture Analysis for Muscular Dystrophy Classification in MRI with Improved Class Activation Mapping. <i>Pattern Recognition</i> , 2019 , 86, 368-375	7.7	21
39	MRI/MRS evaluation of a female carrier of Duchenne muscular dystrophy. <i>Neuromuscular Disorders</i> , 2012 , 22 Suppl 2, S111-21	2.9	20
38	Changes in muscle T2 relaxation properties following spinal cord injury and locomotor training. <i>European Journal of Applied Physiology</i> , 2006 , 97, 355-61	3.4	20
37	Chemosensitizing AML cells by targeting bone marrow endothelial cells. <i>Experimental Hematology</i> , 2016 , 44, 363-377.e5	3.1	19
36	Multi-slice MRI reveals heterogeneity in disease distribution along the length of muscle in Duchenne muscular dystrophy. <i>Acta Myologica</i> , 2017 , 36, 151-162	1.6	19

35	Hindlimb muscle morphology and function in a new atrophy model combining spinal cord injury and cast immobilization. <i>Journal of Neurotrauma</i> , 2013 , 30, 227-35	5.4	18
34	MRI quantifies neuromuscular disease progression. <i>Lancet Neurology</i> , 2016 , 15, 26-8	24.1	17
33	Fe Doped CdTeS Magnetic Quantum Dots for Bioimaging. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 6312-6320	7.9	17
32	Age-related T2 changes in hindlimb muscles of mdx mice. <i>Muscle and Nerve</i> , 2016 , 53, 84-90	3.4	17
31	Magnetic Resonance Monitoring of Disease Progression in mdx Mice on Different Genetic Backgrounds. <i>American Journal of Pathology</i> , 2017 , 187, 2060-2070	5.8	14
30	Upper and Lower Extremities in Duchenne Muscular Dystrophy Evaluated with Quantitative MRI and Proton MR Spectroscopy in a Multicenter Cohort. <i>Radiology</i> , 2020 , 295, 616-625	20.5	13
29	Disease-modifying effects of edasalonexent, an NF- κ B inhibitor, in young boys with Duchenne muscular dystrophy: Results of the MoveDMD phase 2 and open label extension trial. <i>Neuromuscular Disorders</i> , 2021 , 31, 385-396	2.9	12
28	Magnetic Resonance Imaging Is Sensitive to Pathological Amelioration in a Model for Laminin-Deficient Congenital Muscular Dystrophy (MDC1A). <i>PLoS ONE</i> , 2015 , 10, e0138254	3.7	11
27	Imaging respiratory muscle quality and function in Duchenne muscular dystrophy. <i>Journal of Neurology</i> , 2019 , 266, 2752-2763	5.5	9
26	MEF2c-Dependent Downregulation of Myocilin Mediates Cancer-Induced Muscle Wasting and Associates with Cachexia in Patients with Cancer. <i>Cancer Research</i> , 2020 , 80, 1861-1874	10.1	8
25	Magnetic Resonance Microscopy (MRM) of Single Mammalian Myofibers and Myonuclei. <i>Scientific Reports</i> , 2017 , 7, 39496	4.9	7
24	Age-dependent changes in metabolite profile and lipid saturation in dystrophic mice. <i>NMR in Biomedicine</i> , 2019 , 32, e4075	4.4	7
23	Effects of PDE5 inhibition on dystrophic muscle following an acute bout of downhill running and endurance training. <i>Journal of Applied Physiology</i> , 2019 , 126, 1737-1745	3.7	7
22	Longitudinal Evaluation of Muscle Composition Using Magnetic Resonance in 4 Boys With Duchenne Muscular Dystrophy: Case Series. <i>Physical Therapy</i> , 2015 , 95, 978-88	3.3	7
21	C/P MRS Metabolic Biomarkers of Disease Progression and Response to AAV Delivery of hGAA in a Mouse Model of Pompe Disease. <i>Molecular Therapy - Methods and Clinical Development</i> , 2017 , 7, 42-49	6.4	6
20	Skeletal muscle magnetic resonance imaging in Pompe disease. <i>Muscle and Nerve</i> , 2021 , 63, 640-650	3.4	6
19	Safety, feasibility, and efficacy of strengthening exercise in Duchenne muscular dystrophy. <i>Muscle and Nerve</i> , 2021 , 63, 320-326	3.4	6
18	Conference report on contractures in musculoskeletal and neurological conditions. <i>Muscle and Nerve</i> , 2020 , 61, 740-744	3.4	5

17	Near-Infrared Optical Imaging Noninvasively Detects Acutely Damaged Muscle. <i>American Journal of Pathology</i> , 2016 , 186, 2692-700	5.8	5
16	Functional heart recovery in an adult mammal, the spiny mouse. <i>International Journal of Cardiology</i> , 2021 , 338, 196-203	3.2	4
15	Diaphragm weakness and proteomics (global and redox) modifications in heart failure with reduced ejection fraction in rats. <i>Journal of Molecular and Cellular Cardiology</i> , 2020 , 139, 238-249	5.8	3
14	Duchenne Regulatory Science Consortium Meeting on Disease Progression Modeling for Duchenne Muscular Dystrophy. <i>PLOS Currents</i> , 2017 , 9,		3
13	Magnetic resonance imaging characteristics of injection site reactions after long-term subcutaneous delivery of drisapersen. <i>European Journal of Pediatrics</i> , 2019 , 178, 777-778	4.1	2
12	Leg muscle MRI in identical twin boys with duchenne muscular dystrophy. <i>Muscle and Nerve</i> , 2018 , 58, E1	3.4	2
11	Contrast-Enhanced Near-Infrared Optical Imaging Detects Exacerbation and Amelioration of Murine Muscular Dystrophy. <i>Molecular Imaging</i> , 2017 , 16, 1536012117732439	3.7	2
10	Lower Extremity Muscle Involvement in the Intermediate and Bethlem Myopathy Forms of COL6-Related Dystrophy and Duchenne Muscular Dystrophy: A Cross-Sectional Study. <i>Journal of Neuromuscular Diseases</i> , 2020 , 7, 407-417	5	1
9	Magnetization Transfer Ratio in Lower Limbs of Late Onset Pompe Patients Correlates With Intramuscular Fat Fraction and Muscle Function Tests. <i>Frontiers in Neurology</i> , 2021 , 12, 634766	4.1	1
8	Characterizing Enrollment in Observational Studies of Duchenne Muscular Dystrophy by Race and Ethnicity. <i>Journal of Neuromuscular Diseases</i> , 2020 , 7, 167-173	5	0
7	Effects of muscle damage on phosphorus magnetic resonance spectroscopy indices of energetic status and sarcolemma integrity in young mdx mice. <i>NMR in Biomedicine</i> , 2021 , e4659	4.4	0
6	Magnetic Resonance Imaging Studies in Duchenne Muscular Dystrophy: Linking Findings to the Physical Therapy Clinic. <i>Physical Therapy</i> , 2020 , 100, 2035-2048	3.3	0
5	Developing an MRI based method for analyzing differences in blood vessel diameter and brain tissue perfusion in hypertension. <i>FASEB Journal</i> , 2008 , 22, 1210.21	0.9	
4	Skeletal muscle deficits following spinal cord injury in a new rat model. <i>FASEB Journal</i> , 2011 , 25, 1105.15	0.9	
3	Non-invasive measurement of hindlimb muscle cross sectional area in a new rodent model of incomplete spinal cord injury. <i>FASEB Journal</i> , 2011 , 25, 1105.17	0.9	
2	MRI and DTI characterization of spinal cord severe contusion injury in the rat. <i>FASEB Journal</i> , 2012 , 26, 920.9	0.9	
1	Postcontractile blood oxygenation level-dependent (BOLD) response in Duchenne muscular dystrophy. <i>Journal of Applied Physiology</i> , 2021 , 131, 83-94	3.7	