

# Robin L Marcus

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7802279/publications.pdf>

Version: 2024-02-01

85  
papers

4,994  
citations

108046

37  
h-index

104191

69  
g-index

85  
all docs

85  
docs citations

85  
times ranked

6583  
citing authors

#	ARTICLE	IF	CITATIONS
1	Short-term exposure to a clinical dose of metformin increases skeletal muscle mitochondrial H <sub>2</sub> O <sub>2</sub> emission and production in healthy, older adults: A randomized controlled trial. <i>Experimental Gerontology</i> , 2022, 163, 111804.	1.2	3
2	Combining the AM-PAC "6-Clicks" and the Morse Fall Scale to Predict Individuals at Risk for Falls in an Inpatient Rehabilitation Hospital. <i>Archives of Physical Medicine and Rehabilitation</i> , 2021, 102, 2309-2315.	0.5	5
3	Exercise as Treatment for Neuropathy in the Setting of Diabetes and Pre-diabetic Metabolic Syndrome: a Review of Animal Models and Human Trials. <i>Current Diabetes Reviews</i> , 2021, 17, .	0.6	4
4	An Explanatory Model for the Relationship Between Physical Therapists' Self-perceptions of Value and Care Prioritization Decisions in the Acute Hospital. <i>Journal of Acute Care Physical Therapy</i> , 2021, 12, 165-184.	0.0	7
5	Predictors of clinical success with stabilization exercise are associated with lower levels of lumbar multifidus intramuscular adipose tissue in patients with low back pain. <i>Disability and Rehabilitation</i> , 2020, 42, 679-684.	0.9	9
6	Impaired Muscle Performance in Older Adults. , 2020, , 365-378.		0
7	Improving Outcomes for Critically Ill Cardiovascular Patients Through Increased Physical Therapy Staffing. <i>Archives of Physical Medicine and Rehabilitation</i> , 2019, 100, 270-277.e1.	0.5	20
8	Joint mechanical asymmetries during low- and high-demand mobility tasks: Comparison between total knee arthroplasty and healthy-matched peers. <i>Gait and Posture</i> , 2018, 60, 104-110.	0.6	10
9	Visual knee-kinetic biofeedback technique normalizes gait abnormalities during high-demand mobility after total knee arthroplasty. <i>Knee</i> , 2018, 25, 73-82.	0.8	12
10	Aging-related effects of bed rest followed by eccentric exercise rehabilitation on skeletal muscle macrophages and insulin sensitivity. <i>Experimental Gerontology</i> , 2018, 107, 37-49.	1.2	50
11	Precision-Exercise-Prescription in patients with lung cancer undergoing surgery: rationale and design of the PEP study trial. <i>BMJ Open</i> , 2018, 8, e024672.	0.8	13
12	Skeletal muscle ceramides and relationship with insulin sensitivity after 2 weeks of simulated sedentary behaviour and recovery in healthy older adults. <i>Journal of Physiology</i> , 2018, 596, 5217-5236.	1.3	42
13	Quadriceps weakness preferentially predicts detrimental gait compensations among common impairments after total knee arthroplasty. <i>Journal of Orthopaedic Research</i> , 2018, 36, 2355-2363.	1.2	14
14	Focus on the Quadruple Aim: Development of a Resiliency Center to Promote Faculty and Staff Wellness Initiatives. <i>Joint Commission Journal on Quality and Patient Safety</i> , 2018, 44, 293-298.	0.4	12
15	Activity for Diabetic Polyneuropathy (ADAPT): Study Design and Protocol for a 2-Site Randomized Controlled Trial. <i>Physical Therapy</i> , 2017, 97, 20-31.	1.1	9
16	Physical Training and Activity in People With Diabetic Peripheral Neuropathy: Paradigm Shift. <i>Physical Therapy</i> , 2017, 97, 31-43.	1.1	68
17	Adaptation of postural recovery responses to a vestibular sensory illusion in individuals with Parkinson disease and healthy controls. <i>Clinical Biomechanics</i> , 2017, 48, 73-79.	0.5	5
18	A pilot study examining the impact of exercise training on skeletal muscle genes related to the TLR signaling pathway in older adults following hip fracture recovery. <i>Journal of Applied Physiology</i> , 2017, 122, 68-75.	1.2	17

#	ARTICLE	IF	CITATIONS
19	Eccentric versus traditional resistance exercise for older adult fallers in the community: a randomized trial within a multi-component fall reduction program. <i>BMC Geriatrics</i> , 2017, 17, 149.	1.1	34
20	Outcomes of Patients With Acute Low Back Pain Stratified by the STarT Back Screening Tool: Secondary Analysis of a Randomized Trial. <i>Physical Therapy</i> , 2017, 97, 330-337.	1.1	9
21	The Association Between Knee Extensor Force Steadiness, Force Accuracy, and Mobility in Older Adults Who Have Fallen. <i>Journal of Geriatric Physical Therapy</i> , 2016, 39, 1-7.	0.6	16
22	Exercise in Type 2 Diabetic Peripheral Neuropathy. <i>Current Geriatrics Reports</i> , 2016, 5, 150-159.	1.1	4
23	Stance time variability during stair stepping before and after total knee arthroplasty: A pilot study. <i>Human Movement Science</i> , 2016, 45, 53-62.	0.6	4
24	Age-related differences in lean mass, protein synthesis and skeletal muscle markers of proteolysis after bed rest and exercise rehabilitation. <i>Journal of Physiology</i> , 2015, 593, 4259-4273.	1.3	164
25	Supervised exercise improves cutaneous reinnervation capacity in metabolic syndrome patients. <i>Annals of Neurology</i> , 2015, 77, 146-153.	2.8	94
26	Sedentary Behavior in Individuals With Diabetic Chronic Kidney Disease and Maintenance Hemodialysis. , 2015, 25, 364-370.		18
27	Resistance strength training exercise in children with spinal muscular atrophy. <i>Muscle and Nerve</i> , 2015, 52, 559-567.	1.0	55
28	Effects of Practice on Variability of Muscle Force. <i>Perceptual and Motor Skills</i> , 2015, 120, 475-490.	0.6	5
29	Light-Intensity Physical Activities and Mortality in the United States General Population and CKD Subpopulation. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2015, 10, 1145-1153.	2.2	108
30	Exercise and Medication Effects on Persons With Parkinson Disease Across the Domains of Disability. <i>Journal of Neurologic Physical Therapy</i> , 2015, 39, 85-92.	0.7	42
31	Low Physical Function in Maintenance Hemodialysis Patients Is Independent of Muscle Mass and Comorbidity. , 2015, 25, 371-375.		32
32	Exercise as Therapy for Diabetic and Prediabetic Neuropathy. <i>Current Diabetes Reports</i> , 2015, 15, 120.	1.7	47
33	Associations of Body Size and Body Composition with Functional Ability and Quality of Life in Hemodialysis Patients. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2014, 9, 1082-1090.	2.2	52
34	Intermuscular Fat: A Review of the Consequences and Causes. <i>International Journal of Endocrinology</i> , 2014, 2014, 1-11.	0.6	438
35	Resistance Exercise with Older Fallers: Its Impact on Intermuscular Adipose Tissue. <i>BioMed Research International</i> , 2014, 2014, 1-7.	0.9	21
36	Intramuscular fat and inflammation differ in older adults: The impact of frailty and inactivity. <i>Journal of Nutrition, Health and Aging</i> , 2014, 18, 532-538.	1.5	121

#	ARTICLE	IF	CITATIONS
37	Downregulation of E3 Ubiquitin Ligases and Mitophagy-Related Genes in Skeletal Muscle of Physically Inactive, Frail Older Women: A Cross-Sectional Comparison. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2014, 69, 1040-1048.	1.7	104
38	Eccentric exercise in rehabilitation: safety, feasibility, and application. <i>Journal of Applied Physiology</i> , 2014, 116, 1426-1434.	1.2	144
39	Morphology Versus Function: The Relationship Between Lumbar Multifidus Intramuscular Adipose Tissue and Muscle Function Among Patients With Low Back Pain. <i>Archives of Physical Medicine and Rehabilitation</i> , 2014, 95, 1846-1852.	0.5	38
40	Muscle Force Steadiness in Older Adults Before and After Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2014, 29, 1143-1148.	1.5	20
41	Effects of dopamine replacement therapy on lower extremity kinetics and kinematics during a rapid force production task in persons with Parkinson disease. <i>Gait and Posture</i> , 2014, 39, 638-640.	0.6	21
42	Exercise increases cutaneous nerve density in diabetic patients without neuropathy. <i>Annals of Clinical and Translational Neurology</i> , 2014, 1, 844-849.	1.7	98
43	Muscle force and movement variability before and after total knee arthroplasty: A review. <i>World Journal of Orthopedics</i> , 2014, 5, 69.	0.8	13
44	Development and validation of a predictive model of acute glucose response to exercise in individuals with type 2 diabetes. <i>Diabetology and Metabolic Syndrome</i> , 2013, 5, 33.	1.2	6
45	Development of a practical screening tool to predict low muscle mass using NHANES 1999-2004. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2013, 4, 187-197.	2.9	55
46	Intramuscular adipose tissue attenuates gains in muscle quality in older adults at high risk for falling. A brief report. <i>Journal of Nutrition, Health and Aging</i> , 2013, 17, 215-218.	1.5	57
47	Assessing Physical Function and Physical Activity in Patients with CKD. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2013, 8, 861-872.	2.2	146
48	Inflammation, Aging, and Adiposity. <i>Journal of Geriatric Physical Therapy</i> , 2012, 35, 86-94.	0.6	24
49	Fat Modulates the Relationship between Sarcopenia and Physical Function in Nonobese Older Adults. <i>Current Gerontology and Geriatrics Research</i> , 2012, 2012, 1-6.	1.6	13
50	Targeting Anabolic Impairment in Response to Resistance Exercise in Older Adults with Mobility Impairments: Potential Mechanisms and Rehabilitation Approaches. <i>Journal of Aging Research</i> , 2012, 2012, 1-8.	0.4	16
51	Intramuscular Adipose Tissue, Sarcopenia, and Mobility Function in Older Individuals. <i>Journal of Aging Research</i> , 2012, 2012, 1-6.	0.4	213
52	Intramuscular adipose tissue and central activation in older adults. <i>Muscle and Nerve</i> , 2012, 46, 813-816.	1.0	66
53	Exercise for diabetic neuropathy: A toe in the therapeutic door. <i>Journal of Diabetes and Its Complications</i> , 2012, 26, 361-362.	1.2	3
54	Improved Dynamic Postural Task Performance without Improvements in Postural Responses: The Blessing and the Curse of Dopamine Replacement. <i>Parkinson's Disease</i> , 2012, 2012, 1-8.	0.6	12

#	ARTICLE	IF	CITATIONS
55	Efficacy of a Computerized Simulation in Promoting Walking in Individuals With Diabetes. <i>Journal of Medical Internet Research</i> , 2012, 14, e71.	2.1	11
56	Impaired muscle performance. , 2012, , 263-271.		3
57	Eccentric exercise versus Usual-care with older cancer survivors: The impact on muscle and mobility- an exploratory pilot study. <i>BMC Geriatrics</i> , 2011, 11, 5.	1.1	74
58	An Eccentrically Biased Rehabilitation Program Early after TKA Surgery. <i>Arthritis</i> , 2011, 2011, 1-10.	2.0	32
59	Skeletal muscle fat infiltration: Impact of age, inactivity, and exercise. <i>Journal of Nutrition, Health and Aging</i> , 2010, 14, 362-366.	1.5	334
60	Postoperative Rehabilitation Following Lumbar Discectomy With Quantification of Trunk Muscle Morphology and Function: A Case Report and Review of the Literature. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2010, 40, 402-412.	1.7	14
61	The feasibility and efficacy of eccentric exercise with older cancer survivors: a preliminary study. <i>Journal of Geriatric Physical Therapy</i> , 2010, 33, 135-40.	0.6	16
62	Effects of Early Progressive Eccentric Exercise on Muscle Size and Function After Anterior Cruciate Ligament Reconstruction: A 1-Year Follow-up Study of a Randomized Clinical Trial. <i>Physical Therapy</i> , 2009, 89, 51-59.	1.1	114
63	Increased Strength and Physical Performance with Eccentric Training in Women with Impaired Glucose Tolerance: A Pilot Study. <i>Journal of Women's Health</i> , 2009, 18, 253-260.	1.5	40
64	The Use of Eccentrically Biased Resistance Exercise to Mitigate Muscle Impairments Following Anterior Cruciate Ligament Reconstruction: A Short Review. <i>Sports Health</i> , 2009, 1, 31-38.	1.3	18
65	Reversing Muscle and Mobility Deficits 1 to 4 Years after TKA: A Pilot Study. <i>Clinical Orthopaedics and Related Research</i> , 2009, 467, 1493-1500.	0.7	73
66	High intensity eccentric resistance training decreases bradykinesia and improves quality of life in persons with Parkinson's disease: A preliminary study. <i>Parkinsonism and Related Disorders</i> , 2009, 15, 752-757.	1.1	178
67	The Long-Term Contribution of Muscle Activation and Muscle Size to Quadriceps Weakness Following Total Knee Arthroplasty. <i>Journal of Geriatric Physical Therapy</i> , 2009, 32, 35-38.	0.6	38
68	Regional Muscle and Whole-Body Composition Factors Related to Mobility in Older Individuals: A Review. <i>Physiotherapy Canada Physiotherapie Canada</i> , 2009, 61, 197-209.	0.3	30
69	The long-term contribution of muscle activation and muscle size to quadriceps weakness following total knee arthroplasty. <i>Journal of Geriatric Physical Therapy</i> , 2009, 32, 79-82.	0.6	25
70	Comparison of Combined Aerobic and High-Force Eccentric Resistance Exercise With Aerobic Exercise Only for People With Type 2 Diabetes Mellitus. <i>Physical Therapy</i> , 2008, 88, 1345-1354.	1.1	106
71	Total Knee Arthroplasty: Muscle Impairments, Functional Limitations, and Recommended Rehabilitation Approaches. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2008, 38, 246-256.	1.7	210
72	Diabetes and Associated Risk Factors in Patients Referred for Physical Therapy in a National Primary Care Electronic Medical Record Database. <i>Physical Therapy</i> , 2008, 88, 1408-1416.	1.1	23

#	ARTICLE	IF	CITATIONS
73	ECCENTRIC FORCES DURING RESISTANCE EXERCISE IN A REHABILITATION SETTING: ARE THEY SUPRA-MAXIMAL?. FASEB Journal, 2008, 22, 980.2.	0.2	1
74	Safety, Feasibility, and Efficacy of Negative Work Exercise Via Eccentric Muscle Activity Following Anterior Cruciate Ligament Reconstruction. Journal of Orthopaedic and Sports Physical Therapy, 2007, 37, 10-18.	1.7	86
75	Effects of Early Progressive Eccentric Exercise on Muscle Structure After Anterior Cruciate Ligament Reconstruction. Journal of Bone and Joint Surgery - Series A, 2007, 89, 559-570.	1.4	85
76	Impaired Muscle and Mobility: The Road From Menopause to Frailty. Clinical Obstetrics and Gynecology, 2007, 50, 776-789.	0.6	4
77	Effects of Early Progressive Eccentric Exercise on Muscle Structure After Anterior Cruciate Ligament Reconstruction. Journal of Bone and Joint Surgery - Series A, 2007, 89, 559-570.	1.4	42
78	The Safety and Feasibility of High-Force Eccentric Resistance Exercise in Persons With Parkinson's Disease. Archives of Physical Medicine and Rehabilitation, 2006, 87, 1280-1282.	0.5	47
79	High-intensity resistance training amplifies muscle hypertrophy and functional gains in persons with Parkinson's disease. Movement Disorders, 2006, 21, 1444-1452.	2.2	242
80	Early Application of Negative Work via Eccentric Ergometry Following Anterior Cruciate Ligament Reconstruction: A Case Report. Journal of Orthopaedic and Sports Physical Therapy, 2006, 36, 298-307.	1.7	30
81	Maximal Speed Gait Initiation of Healthy Elderly Individuals and Persons With Parkinson Disease. Journal of Neurologic Physical Therapy, 2004, 28, 2-11.	0.7	6
82	Sensory cueing effects on maximal speed gait initiation in persons with Parkinson's disease and healthy elders. Gait and Posture, 2004, 19, 215-225.	0.6	121
83	A Prospective Evaluation of Untreated Acute Grade III Acromioclavicular Separations. American Journal of Sports Medicine, 2001, 29, 699-703.	1.9	145
84	Comparison of anterior cruciate ligament reconstructions using patellar tendon autograft or allograft. Arthroscopy - Journal of Arthroscopic and Related Surgery, 1996, 12, 414-421.	1.3	118
85	Analysis of athletic performance with prophylactic ankle devices. American Journal of Sports Medicine, 1991, 19, 104-106.	1.9	115