Robin L Marcus

List of Publications by Year
in descending order

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85 papers	4,994 citations	94381 37 h-index	91828 69 g-index
85 all docs	85 docs citations	85 times ranked	6167 citing authors

#	Article	IF	Citations
1	Intermuscular Fat: A Review of the Consequences and Causes. International Journal of Endocrinology, 2014, 2014, 1-11.	0.6	438
2	Skeletal muscle fat infiltration: Impact of age, inactivity, and exercise. Journal of Nutrition, Health and Aging, 2010, 14, 362-366.	1.5	334
3	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
4	Intramuscular Adipose Tissue, Sarcopenia, and Mobility Function in Older Individuals. Journal of Aging Research, 2012, 2012, 1-6.	0.4	213
5	Total Knee Arthroplasty: Muscle Impairments, Functional Limitations, and Recommended Rehabilitation Approaches. Journal of Orthopaedic and Sports Physical Therapy, 2008, 38, 246-256.	1.7	210
6	High intensity eccentric resistance training decreases bradykinesia and improves quality of life in persons with Parkinson's disease: A preliminary study. Parkinsonism and Related Disorders, 2009, 15, 752-757.	1.1	178
7	Ageâ€related differences in lean mass, protein synthesis and skeletal muscle markers of proteolysis after bed rest and exercise rehabilitation. Journal of Physiology, 2015, 593, 4259-4273.	1.3	164
8	Assessing Physical Function and Physical Activity in Patients with CKD. Clinical Journal of the American Society of Nephrology: CJASN, 2013, 8, 861-872.	2.2	146
9	A Prospective Evaluation of Untreated Acute Grade III Acromioclavicular Separations. American Journal of Sports Medicine, 2001, 29, 699-703.	1.9	145
10	Eccentric exercise in rehabilitation: safety, feasibility, and application. Journal of Applied Physiology, 2014, 116, 1426-1434.	1.2	144
11	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
12	Intramuscular fat and inflammation differ in older adults: The impact of frailty and inactivity. Journal of Nutrition, Health and Aging, 2014, 18, 532-538.	1.5	121
13	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
14	Analysis of athletic performance with prophylactic ankle devices. American Journal of Sports Medicine, 1991, 19, 104-106.	1.9	115
15	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. Physical Therapy, 2009, 89, 51-59.	1.1	114
16	Light-Intensity Physical Activities and Mortality in the United States General Population and CKD Subpopulation. Clinical Journal of the American Society of Nephrology: CJASN, 2015, 10, 1145-1153.	2.2	108
17	Comparison of Combined Aerobic and High-Force Eccentric Resistance Exercise With Aerobic Exercise Only for People With Type 2 Diabetes Mellitus. Physical Therapy, 2008, 88, 1345-1354.	1.1	106
18	Downregulation of E3 Ubiquitin Ligases and Mitophagy-Related Genes in Skeletal Muscle of Physically Inactive, Frail Older Women: A Cross-Sectional Comparison. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2014, 69, 1040-1048.	1.7	104

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19	Exercise increases cutaneous nerve density in diabetic patients without neuropathy. Annals of Clinical and Translational Neurology, 2014, 1, 844-849.	1.7	98
20	Supervised exercise improves cutaneous reinnervation capacity in metabolic syndrome patients. Annals of Neurology, 2015, 77, 146-153.	2.8	94
21	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
22	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
23	Eccentric exercise versus Usual-care with older cancer survivors: The impact on muscle and mobility-an exploratory pilot study. BMC Geriatrics, 2011, 11, 5.	1.1	74
24	Reversing Muscle and Mobility Deficits 1 to 4 Years after TKA: A Pilot Study. Clinical Orthopaedics and Related Research, 2009, 467, 1493-1500.	0.7	73
25	Physical Training and Activity in People With Diabetic Peripheral Neuropathy: Paradigm Shift. Physical Therapy, 2017, 97, 31-43.	1.1	68
26	Intramuscular adipose tissue and central activation in older adults. Muscle and Nerve, 2012, 46, 813-816.	1.0	66
27	Intramuscular adipose tissue attenuates gains in muscle quality in older adults at high risk for falling. A brief report. Journal of Nutrition, Health and Aging, 2013, 17, 215-218.	1.5	57
28	Development of a practical screening tool to predict low muscle mass using NHANES 1999â€“2004. Journal of Cachexia, Sarcopenia and Muscle, 2013, 4, 187-197.	2.9	55
29	Resistance strength training exercise in children with spinal muscular atrophy. Muscle and Nerve, 2015, 52, 559-567.	1.0	55
30	Associations of Body Size and Body Composition with Functional Ability and Quality of Life in Hemodialysis Patients. Clinical Journal of the American Society of Nephrology: CJASN, 2014, 9, 1082-1090.	2.2	52
31	Aging-related effects of bed rest followed by eccentric exercise rehabilitation on skeletal muscle macrophages and insulin sensitivity. Experimental Gerontology, 2018, 107, 37-49.	1.2	50
32	The Safety and Feasibility of High-Force Eccentric Resistance Exercise in Persons With Parkinsonâ€™s Disease. Archives of Physical Medicine and Rehabilitation, 2006, 87, 1280-1282.	0.5	47
33	Exercise as Therapy for Diabetic and Prediabetic Neuropathy. Current Diabetes Reports, 2015, 15, 120.	1.7	47
34	Exercise and Medication Effects on Persons With Parkinson Disease Across the Domains of Disability. Journal of Neurologic Physical Therapy, 2015, 39, 85-92.	0.7	42
35	Skeletal muscle ceramides and relationship with insulin sensitivity after 2Âweeks of simulated sedentary behaviour and recovery in healthy older adults. Journal of Physiology, 2018, 596, 5217-5236.	1.3	42
36	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

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37	Increased Strength and Physical Performance with Eccentric Training in Women with Impaired Glucose Tolerance: A Pilot Study. Journal of Women's Health, 2009, 18, 253-260.	1.5	40
38	The Long-Term Contribution of Muscle Activation and Muscle Size to Quadriceps Weakness Following Total Knee Arthroplasty. Journal of Geriatric Physical Therapy, 2009, 32, 35-38.	0.6	38
39	Morphology Versus Function: The Relationship Between Lumbar Multifidus Intramuscular Adipose Tissue and Muscle Function Among Patients With Low Back Pain. Archives of Physical Medicine and Rehabilitation, 2014, 95, 1846-1852.	0.5	38
40	Eccentric versus traditional resistance exercise for older adult fallers in the community: a randomized trial within a multi-component fall reduction program. BMC Geriatrics, 2017, 17, 149.	1.1	34
41	An Eccentrically Biased Rehabilitation Program Early after TKA Surgery. Arthritis, 2011, 2011, 1-10.	2.0	32
42	Low Physical Function in Maintenance Hemodialysis Patients Is Independent of Muscle Mass and Comorbidity. , 2015, 25, 371-375.		32
43	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
44	Regional Muscle and Whole-Body Composition Factors Related to Mobility in Older Individuals: A Review. Physiotherapy Canada Physiotherapie Canada, 2009, 61, 197-209.	0.3	30
45	The long-term contribution of muscle activation and muscle size to quadriceps weakness following total knee arthroplasty. Journal of Geriatric Physical Therapy, 2009, 32, 79-82.	0.6	25
46	Inflammation, Aging, and Adiposity. Journal of Geriatric Physical Therapy, 2012, 35, 86-94.	0.6	24
47	Diabetes and Associated Risk Factors in Patients Referred for Physical Therapy in a National Primary Care Electronic Medical Record Database. Physical Therapy, 2008, 88, 1408-1416.	1.1	23
48	Resistance Exercise with Older Fallers: Its Impact on Intermuscular Adipose Tissue. BioMed Research International, 2014, 2014, 1-7.	0.9	21
49	Effects of dopamine replacement therapy on lower extremity kinetics and kinematics during a rapid force production task in persons with Parkinson disease. Gait and Posture, 2014, 39, 638-640.	0.6	21
50	Muscle Force Steadiness in Older Adults Before and After Total Knee Arthroplasty. Journal of Arthroplasty, 2014, 29, 1143-1148.	1.5	20
51	Improving Outcomes for Critically Ill Cardiovascular Patients Through Increased Physical Therapy Staffing. Archives of Physical Medicine and Rehabilitation, 2019, 100, 270-277.e1.	0.5	20
52	The Use of Eccentrically Biased Resistance Exercise to Mitigate Muscle Impairments Following Anterior Cruciate Ligament Reconstruction: A Short Review. Sports Health, 2009, 1, 31-38.	1.3	18
53	Sedentary Behavior in Individuals With Diabetic Chronic Kidney Disease and Maintenance Hemodialysis. , 2015, 25, 364-370.		18
54	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. Journal of Applied Physiology, 2017, 122, 68-75.	1.2	17

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55	Targeting Anabolic Impairment in Response to Resistance Exercise in Older Adults with Mobility Impairments: Potential Mechanisms and Rehabilitation Approaches. Journal of Aging Research, 2012, 2012, 1-8.	0.4	16
56	The Association Between Knee Extensor Force Steadiness, Force Accuracy, and Mobility in Older Adults Who Have Fallen. Journal of Geriatric Physical Therapy, 2016, 39, 1-7.	0.6	16
57	The feasibility and efficacy of eccentric exercise with older cancer survivors: a preliminary study. Journal of Geriatric Physical Therapy, 2010, 33, 135-40.	0.6	16
58	Postoperative Rehabilitation Following Lumbar Discectomy With Quantification of Trunk Muscle Morphology and Function: A Case Report and Review of the Literature. Journal of Orthopaedic and Sports Physical Therapy, 2010, 40, 402-412.	1.7	14
59	Quadriceps weakness preferentially predicts detrimental gait compensations among common impairments after total knee arthroplasty. Journal of Orthopaedic Research, 2018, 36, 2355-2363.	1.2	14
60	Fat Modulates the Relationship between Sarcopenia and Physical Function in Nonobese Older Adults. Current Gerontology and Geriatrics Research, 2012, 2012, 1-6.	1.6	13
61	Precision-Exercise-Prescription in patients with lung cancer undergoing surgery: rationale and design of the PEP study trial. BMJ Open, 2018, 8, e024672.	0.8	13
62	Muscle force and movement variability before and after total knee arthroplasty: A review. World Journal of Orthopedics, 2014, 5, 69.	0.8	13
63	Improved Dynamic Postural Task Performance without Improvements in Postural Responses: The Blessing and the Curse of Dopamine Replacement. Parkinson's Disease, 2012, 2012, 1-8.	0.6	12
64	Visual knee-kinetic biofeedback technique normalizes gait abnormalities during high-demand mobility after total knee arthroplasty. Knee, 2018, 25, 73-82.	0.8	12
65	Focus on the Quadruple Aim: Development of a Resiliency Center to Promote Faculty and Staff Wellness Initiatives. Joint Commission Journal on Quality and Patient Safety, 2018, 44, 293-298.	0.4	12
66	Efficacy of a Computerized Simulation in Promoting Walking in Individuals With Diabetes. Journal of Medical Internet Research, 2012, 14, e71.	2.1	11
67	Joint mechanical asymmetries during low- and high-demand mobility tasks: Comparison between total knee arthroplasty and healthy-matched peers. Gait and Posture, 2018, 60, 104-110.	0.6	10
68	Activity for Diabetic Polyneuropathy (ADAPT): Study Design and Protocol for a 2-Site Randomized Controlled Trial. Physical Therapy, 2017, 97, 20-31.	1.1	9
69	Predictors of clinical success with stabilization exercise are associated with lower levels of lumbar multifidus intramuscular adipose tissue in patients with low back pain. Disability and Rehabilitation, 2020, 42, 679-684.	0.9	9
70	Outcomes of Patients With Acute Low Back Pain Stratified by the STarT Back Screening Tool: Secondary Analysis of a Randomized Trial. Physical Therapy, 2017, 97, 330-337.	1.1	9
71	An Explanatory Model for the Relationship Between Physical Therapists' Self-perceptions of Value and Care Prioritization Decisions in the Acute Hospital. Journal of Acute Care Physical Therapy, 2021, 12, 165-184.	0.0	7
72	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

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73	Development and validation of a predictive model of acute glucose response to exercise in individuals with type 2 diabetes. Diabetology and Metabolic Syndrome, 2013, 5, 33.	1.2	6
74	Effects of Practice on Variability of Muscle Force. Perceptual and Motor Skills, 2015, 120, 475-490.	0.6	5
75	Adaptation of postural recovery responses to a vestibular sensory illusion in individuals with Parkinson disease and healthy controls. Clinical Biomechanics, 2017, 48, 73-79.	0.5	5
76	Combining the AM-PAC â€œ6-Clicksâ€•and the Morse Fall Scale to Predict Individuals at Risk for Falls in an Inpatient Rehabilitation Hospital. Archives of Physical Medicine and Rehabilitation, 2021, 102, 2309-2315.	0.5	5
77	Impaired Muscle and Mobility: The Road From Menopause to Frailty. Clinical Obstetrics and Gynecology, 2007, 50, 776-789.	0.6	4
78	Exercise in Type 2 Diabetic Peripheral Neuropathy. Current Geriatrics Reports, 2016, 5, 150-159.	1.1	4
79	Stance time variability during stair stepping before and after total knee arthroplasty: A pilot study. Human Movement Science, 2016, 45, 53-62.	0.6	4
80	Exercise as Treatment for Neuropathy in the Setting of Diabetes and Pre-diabetic Metabolic Syndrome: a Review of Animal Models and Human Trials. Current Diabetes Reviews, 2021, 17, .	0.6	4
81	Exercise for diabetic neuropathy: A toe in the therapeutic door. Journal of Diabetes and Its Complications, 2012, 26, 361-362.	1.2	3
82	Impaired muscle performance. , 2012, , 263-271.		3
83	Short-term exposure to a clinical dose of metformin increases skeletal muscle mitochondrial H2O2 emission and production in healthy, older adults: A randomized controlled trial. Experimental Gerontology, 2022, 163, 111804.	1.2	3
84	ECCENTRIC FORCES DURING RESISTANCE EXERCISE IN A REHABILITATION SETTING: ARE THEY SUPRAâ€MAXIMAL?. FASEB Journal, 2008, 22, 980.2.	0.2	1
85	Impaired Muscle Performance in Older Adults. , 2020, , 365-378.		0