

Michael J Mueller

List of Publications by Year in descending order

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81
papers

3,916
citations

136950

32
h-index

123424

61
g-index

83
all docs

83
docs citations

83
times ranked

3040
citing authors

#	ARTICLE	IF	CITATIONS
1	EFFECT OF ACHILLES TENDON LENGTHENING ON NEUROPATHIC PLANTAR ULCERS†. Journal of Bone and Joint Surgery - Series A, 2003, 85, 1436-1445.	3.0	317
2	Tissue Adaptation to Physical Stress: A Proposed "Physical Stress Theory" to Guide Physical Therapist Practice, Education, and Research. Physical Therapy, 2002, 82, 383-403.	2.4	308
3	Excessive Adipose Tissue Infiltration in Skeletal Muscle in Individuals With Obesity, Diabetes Mellitus, and Peripheral Neuropathy: Association With Performance and Function. Physical Therapy, 2008, 88, 1336-1344.	2.4	283
4	Insensitivity, Limited Joint Mobility, and Plantar Ulcers in Patients with Diabetes Mellitus. Physical Therapy, 1989, 69, 453-459.	2.4	197
5	Forefoot structural predictors of plantar pressures during walking in people with diabetes and peripheral neuropathy. Journal of Biomechanics, 2003, 36, 1009-1017.	2.1	176
6	Reliability of a Diabetic Foot Evaluation. Physical Therapy, 1989, 69, 797-802.	2.4	162
7	Effect of Weight-Bearing Activity on Foot Ulcer Incidence in People With Diabetic Peripheral Neuropathy: Feet First Randomized Controlled Trial. Physical Therapy, 2008, 88, 1385-1398.	2.4	143
8	Structural Changes in the Forefoot of Individuals with Diabetes and a Prior Plantar Ulcer. Journal of Bone and Joint Surgery - Series A, 2002, 84, 1395-1404.	3.0	130
9	Plantar tissue stiffness in patients with diabetes mellitus and peripheral neuropathy. Archives of Physical Medicine and Rehabilitation, 2002, 83, 1796-1801.	0.9	128
10	Weight-Bearing Versus Nonweight-Bearing Exercise for Persons With Diabetes and Peripheral Neuropathy: A Randomized Controlled Trial. Archives of Physical Medicine and Rehabilitation, 2013, 94, 829-838.	0.9	104
11	Tissue adaptation to physical stress: a proposed "Physical Stress Theory" to guide physical therapist practice, education, and research. Physical Therapy, 2002, 82, 383-403.	2.4	100
12	Lower Physical Activity Is Associated With Higher Intermuscular Adipose Tissue in People With Type 2 Diabetes and Peripheral Neuropathy. Physical Therapy, 2011, 91, 923-930.	2.4	88
13	"Pressure Gradient" as an Indicator of Plantar Skin Injury. Diabetes Care, 2005, 28, 2908-2912.	8.6	84
14	Effect of peak pressure and pressure gradient on subsurface shear stresses in the neuropathic foot. Journal of Biomechanics, 2007, 40, 883-890.	2.1	78
15	Relationship of Foot Deformity to Ulcer Location in Patients with Diabetes Mellitus. Physical Therapy, 1990, 70, 356-362.	2.4	76
16	Effects of a Tendo-Achilles Lengthening Procedure on Muscle Function and Gait Characteristics in a Patient With Diabetes Mellitus. Journal of Orthopaedic and Sports Physical Therapy, 2000, 30, 85-90.	3.5	72
17	Truncating Homozygous Mutation of Carboxypeptidase E (CPE) in a Morbidly Obese Female with Type 2 Diabetes Mellitus, Intellectual Disability and Hypogonadotropic Hypogonadism. PLoS ONE, 2015, 10, e0131417.	2.5	72
18	Physical Training and Activity in People With Diabetic Peripheral Neuropathy: Paradigm Shift. Physical Therapy, 2017, 97, 31-43.	2.4	68

#	ARTICLE	IF	CITATIONS
19	Efficacy and Mechanism of Orthotic Devices to Unload Metatarsal Heads in People With Diabetes and a History of Plantar Ulcers. <i>Physical Therapy</i> , 2006, 86, 833-842.	2.4	65
20	Genomic Pathology of SLE-Associated Copy-Number Variation at the FCGR2C/FCGR3B/FCGR2B Locus. <i>American Journal of Human Genetics</i> , 2013, 92, 28-40.	6.2	63
21	Multi-plug insole design to reduce peak plantar pressure on the diabetic foot during walking. <i>Medical and Biological Engineering and Computing</i> , 2008, 46, 363-371.	2.8	61
22	Reprintâ€”Comprehensive Foot Examination and Risk Assessment: A Report of the Task Force of the Foot Care Interest Group of the American Diabetes Association, With Endorsement by the American Association of Clinical Endocrinologists. <i>Physical Therapy</i> , 2008, 88, 1436-1443.	2.4	61
23	Movement-Pattern Training to Improve Function in People With Chronic Hip Joint Pain: A Feasibility Randomized Clinical Trial. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2016, 46, 452-461.	3.5	57
24	Impact of Achilles Tendon Lengthening on Functional Limitations and Perceived Disability in People With a Neuropathic Plantar Ulcer. <i>Diabetes Care</i> , 2004, 27, 1559-1564.	8.6	55
25	Intrinsic foot muscle deterioration is associated with metatarsophalangeal joint angle in people with diabetes and neuropathy. <i>Clinical Biomechanics</i> , 2013, 28, 1055-1060.	1.2	55
26	Plantar Stresses on the Neuropathic Foot During Barefoot Walking. <i>Physical Therapy</i> , 2008, 88, 1375-1384.	2.4	54
27	Adipose tissue content, muscle performance and physical function in obese adults with type 2 diabetes mellitus and peripheral neuropathy. <i>Journal of Diabetes and Its Complications</i> , 2015, 29, 250-257.	2.3	51
28	Effect of footwear and orthotic devices on stress reduction and soft tissue strain of the neuropathic foot. <i>Clinical Biomechanics</i> , 2007, 22, 352-359.	1.2	49
29	Effect of Achilles tendon lengthening on neuropathic plantar ulcers. A randomized clinical trial. <i>Journal of Bone and Joint Surgery - Series A</i> , 2003, 85, 1436-45.	3.0	48
30	Numerical simulation of the plantar pressure distribution in the diabetic foot during the push-off stance. <i>Medical and Biological Engineering and Computing</i> , 2006, 44, 653-663.	2.8	44
31	Pressure gradient and subsurface shear stress on the neuropathic forefoot. <i>Clinical Biomechanics</i> , 2008, 23, 342-348.	1.2	43
32	Reduced Hip Adduction Is Associated With Improved Function After Movement-Pattern Training in Young People With Chronic Hip Joint Pain. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2018, 48, 316-324.	3.5	37
33	Next-Generation Sequencing-Assisted DNA-Based Digital PCR for a Personalized Approach to the Detection and Quantification of Residual Disease in Chronic Myeloid Leukemia Patients. <i>Journal of Molecular Diagnostics</i> , 2016, 18, 176-189.	2.8	34
34	Muscle and Joint Factors Associated With Forefoot Deformity in the Diabetic Neuropathic Foot. <i>Foot and Ankle International</i> , 2016, 37, 514-521.	2.3	34
35	Functional Limitations in Patients With Diabetes and Transmetatarsal Amputations. <i>Physical Therapy</i> , 1997, 77, 937-943.	2.4	31
36	Relationship Between Changes in Activity and Plantar Ulcer Recurrence in a Patient With Diabetes Mellitus. <i>Physical Therapy</i> , 2005, 85, 579-588.	2.4	29

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37	Acquired midfoot deformity and function in individuals with diabetes and peripheral neuropathy. <i>Clinical Biomechanics</i> , 2016, 32, 261-267.	1.2	29
38	Reliability and validity of a MR-based volumetric analysis of the intrinsic foot muscles. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 38, 1083-1093.	3.4	26
39	A pilot study of regional perfusion and oxygenation in calf muscles of individuals with diabetes with a noninvasive measure. <i>Journal of Vascular Surgery</i> , 2014, 59, 419-426.	1.1	26
40	Shoulder limited joint mobility in people with diabetes mellitus. <i>Clinical Biomechanics</i> , 2015, 30, 308-313.	1.2	24
41	Effect of metatarsal phalangeal joint extension on plantar soft tissue stiffness and thickness. <i>Foot</i> , 2008, 18, 61-67.	1.1	21
42	Effect of selected exercises on in-shoe plantar pressures in people with diabetes and peripheral neuropathy. <i>Foot</i> , 2012, 22, 130-134.	1.1	20
43	Efficacy and mechanism of orthotic devices to unload metatarsal heads in people with diabetes and a history of plantar ulcers. <i>Physical Therapy</i> , 2006, 86, 833-42.	2.4	20
44	A Moderate-Intensity Weight-Bearing Exercise Program for a Person With Type 2 Diabetes and Peripheral Neuropathy. <i>Physical Therapy</i> , 2012, 92, 133-141.	2.4	19
45	Relationship Between Skin Intrinsic Fluorescence as an Indicator of Advanced Glycation End Products and Upper Extremity Impairments in Individuals With Diabetes Mellitus. <i>Physical Therapy</i> , 2015, 95, 1111-1119.	2.4	19
46	Intravenous contrast-free standardized exercise perfusion imaging in diabetic feet with ulcers. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 50, 474-480.	3.4	19
47	Should weight-bearing activity be reduced during healing of plantar diabetic foot ulcers, even when using appropriate offloading devices?. <i>Diabetes Research and Clinical Practice</i> , 2021, 175, 108733.	2.8	19
48	Kinematics and kinetics of single-limb heel rise in diabetes related medial column foot deformity. <i>Clinical Biomechanics</i> , 2014, 29, 1016-1022.	1.2	17
49	Musculoskeletal Impairments Are Often Unrecognized and Underappreciated Complications From Diabetes. <i>Physical Therapy</i> , 2016, 96, 1861-1864.	2.4	17
50	Movement pattern training compared with standard strengthening and flexibility among patients with hip-related groin pain: results of a pilot multicentre randomised clinical trial. <i>BMJ Open Sport and Exercise Medicine</i> , 2020, 6, e000707.	2.9	16
51	Effect of Total Contact Cast Immobilization on Subtalar and Talocrural Joint Motion in Patients with Diabetes Mellitus. <i>Physical Therapy</i> , 1993, 73, 310-315.	2.4	14
52	Metatarsophalangeal Hyperextension Movement Pattern Related to Diabetic Forefoot Deformity. <i>Physical Therapy</i> , 2016, 96, 1143-1151.	2.4	13
53	Effect of a Shoulder Movement Intervention on Joint Mobility, Pain, and Disability in People With Diabetes: A Randomized Controlled Trial. <i>Physical Therapy</i> , 2018, 98, 745-753.	2.4	11
54	Diffusion Tensor Imaging of the Calf Muscles in Subjects With and Without Diabetes Mellitus. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, 1285-1295.	3.4	9

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55	Three dimensional kinematics of visually classified lower extremity movement patterns during a single leg squat among people with chronic hip joint pain. <i>Physiotherapy Theory and Practice</i> , 2020, 36, 598-606.	1.3	9
56	Mobility advice to help prevent re-ulceration in diabetes. <i>Diabetes/Metabolism Research and Reviews</i> , 2020, 36, e3259.	4.0	8
57	Windlass Mechanism in Individuals With Diabetes Mellitus, Peripheral Neuropathy, and Low Medial Longitudinal Arch Height. <i>Foot and Ankle International</i> , 2014, 35, 816-824.	2.3	7
58	Radiographic-directed local coordinate systems critical in kinematic analysis of walking in diabetes-related medial column foot deformity. <i>Gait and Posture</i> , 2014, 40, 128-133.	1.4	7
59	Oximetric angiosome imaging in diabetic feet. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 44, 940-946.	3.4	7
60	Midfoot and ankle motion during heel rise and gait are related in people with diabetes and peripheral neuropathy. <i>Gait and Posture</i> , 2021, 84, 38-44.	1.4	7
61	Implementation of an acute palliative care unit for COVID-19 patients in a tertiary hospital: Qualitative data on clinician perspectives. <i>Palliative Medicine</i> , 2022, 36, 332-341.	3.1	7
62	Rehabilitation Research at the National Institutes of Health: Moving the Field Forward (Executive) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	0.9	6
63	Multi-System Factors Associated with Metatarsophalangeal Joint Deformity in Individuals with Type 2 Diabetes. <i>Journal of Clinical Medicine</i> , 2020, 9, 1012.	2.4	6
64	Deteriorated regional calf microcirculation measured by contrast-free MRI in patients with diabetes mellitus and relation with physical activity. <i>Diabetes and Vascular Disease Research</i> , 2021, 18, 147916412110290.	2.0	6
65	People With Diabetes: A Population Desperate for Movement. <i>Physical Therapy</i> , 2008, 88, 1250-1253.	2.4	5
66	Rehabilitation Research at the National Institutes of Health: Moving the Field Forward (Executive) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	0.3	5
67	Heel Rise and Non-Weight-Bearing Ankle Plantar Flexion Tasks to Assess Foot and Ankle Function in People With Diabetes Mellitus and Peripheral Neuropathy. <i>Physical Therapy</i> , 2021, 101, .	2.4	5
68	Physical Therapy Director as Professional Value Setter. <i>Physical Therapy</i> , 1987, 67, 1389-1392.	2.4	4
69	One-year outcomes following physical therapist-led intervention for chronic hip-related groin pain: Ancillary analysis of a pilot multicenter randomized clinical trial. <i>Journal of Orthopaedic Research</i> , 2021, 39, 2409-2418.	2.3	4
70	Effect of Modeling Assumptions in the Plantar Pressure Distribution of the Diabetic Foot Using the p-Version of the Finite Element Method. , 2004, , 205.		3
71	Rehabilitation research at the National Institutes of Health: Moving the field forward (Executive) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 3	2.0	3
72	Relationship of shoulder activity and skin intrinsic fluorescence with low level shoulder pain and disability in people with type 2 diabetes. <i>Journal of Diabetes and Its Complications</i> , 2017, 31, 983-987.	2.3	2

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73	Relationships within and between lower and upper extremity dysfunction in people with diabetes. Foot, 2020, 44, 101680.	1.1	2
74	Rehabilitation research at the National Institutes of Health moving the field forward (executive) Tj ETQq0 0 0 rgBT /Oyerlock 10 Tf 50 70	1.3	2
75	Body mass index and maximum available midfoot motion are associated with midfoot angle at peak heel rise in people with type 2 diabetes mellitus and peripheral neuropathy. Foot, 2022, 51, 101912.	1.1	1
76	Subsurface shear stress associated with forefoot skin breakdown on the neuropathic foot. Clinical Biomechanics, 2008, 23, 682-683.	1.2	0
77	Estimating subsurface shear stress in the neuropathic foot from plantar pressure distribution. Clinical Biomechanics, 2008, 23, 696-697.	1.2	0
78	Editor Response. Physical Therapy, 2009, 89, 102-102.	2.4	0
79	Oximetric angiosome imaging in diabetic feet. Journal of Magnetic Resonance Imaging, 2016, 44, spcone-spcone.	3.4	0
80	Association of toe-extension movement pattern magnitude and variability during three functional tasks with diabetic foot complications. Clinical Biomechanics, 2021, 85, 105371.	1.2	0
81	Static and Dynamic Predictors of Foot Progression Angle in Individuals with and without Diabetes Mellitus and Peripheral Neuropathy. , 2016, 3, .		0