

# David R Sinacore Pt., Fapta

## List of Publications by Year in descending order

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126  
papers

10,334  
citations

38742

50  
h-index

32842

100  
g-index

129  
all docs

129  
docs citations

129  
times ranked

9383  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Aerobic or Resistance Exercise, or Both, on Intermuscular and Visceral Fat and Physical and Metabolic Function in Older Adults With Obesity While Dieting. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 131-139.	3.6	20
2	Deficits in the Skeletal Muscle Transcriptome and Mitochondrial Coupling in Progressive Diabetes-Induced CKD Relate to Functional Decline. <i>Diabetes</i> , 2021, 70, 1130-1144.	0.6	5
3	A multi-center trial of exercise and testosterone therapy in women after hip fracture: Design, methods and impact of the COVID-19 pandemic. <i>Contemporary Clinical Trials</i> , 2021, 104, 106356.	1.8	6
4	Qualitative study of musculoskeletal tissues and their radiographic correlates in diabetic neuropathic foot deformity. <i>Foot</i> , 2021, 47, 101777.	1.1	3
5	Skeletal Muscle Regeneration in Advanced Diabetic Peripheral Neuropathy. <i>Foot and Ankle International</i> , 2020, 41, 536-548.	2.3	3
6	Accelerated Cortical Osteolysis of Metatarsals in Charcot Neuroarthropathy: A Cross-Sectional Observational Study. <i>JBMR Plus</i> , 2019, 3, e10243.	2.7	1
7	A Candidate Imaging Marker for Early Detection of Charcot Neuroarthropathy. <i>Journal of Clinical Densitometry</i> , 2018, 21, 485-492.	1.2	5
8	Early-Onset Physical Frailty in Adults With Diabetes and Peripheral Neuropathy. <i>Canadian Journal of Diabetes</i> , 2018, 42, 478-483.	0.8	11
9	Physical Training and Activity in People With Diabetic Peripheral Neuropathy: Paradigm Shift. <i>Physical Therapy</i> , 2017, 97, 31-43.	2.4	68
10	Explanators of Sarcopenia in Individuals With Diabetes: A Cross-Sectional Analysis. <i>Journal of Geriatric Physical Therapy</i> , 2017, 40, 86-94.	1.1	9
11	Aerobic or Resistance Exercise, or Both, in Dieting Obese Older Adults. <i>New England Journal of Medicine</i> , 2017, 376, 1943-1955.	27.0	433
12	Persistent inflammation with pedal osteolysis 1 year after Charcot neuropathic osteoarthropathy. <i>Journal of Diabetes and Its Complications</i> , 2017, 31, 1014-1020.	2.3	20
13	Immobilization-induced osteolysis and recovery in neuropathic foot impairments. <i>Bone</i> , 2017, 105, 237-244.	2.9	9
14	Reliability of analysis of the bone mineral density of the second and fifth metatarsals using dual-energy x-ray absorptiometry (DXA). <i>Journal of Foot and Ankle Research</i> , 2017, 10, 52.	1.9	5
15	Acquired midfoot deformity and function in individuals with diabetes and peripheral neuropathy. <i>Clinical Biomechanics</i> , 2016, 32, 261-267.	1.2	29
16	Plantar Loading During Gait Significantly Correlates To Metatarsal Bone Density. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 727.	0.4	0
17	Intra- And Inter-rater Reliability Of Proximal, Shaft, Distal, And Total Metatarsal Bone Mineral Density. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 185.	0.4	0
18	Static and Dynamic Predictors of Foot Progression Angle in Individuals with and without Diabetes Mellitus and Peripheral Neuropathy. , 2016, 3, .		0

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19	Impact of foot progression angle modification on plantar loading in individuals with diabetes mellitus and peripheral neuropathy. , 2016, 2, 15-23.		2
20	Fish oilâ€‘derived nâˆ’3 PUFA therapy increases muscle mass and function in healthy older adults. American Journal of Clinical Nutrition, 2015, 102, 115-122.	4.7	336
21	Adipose tissue content, muscle performance and physical function in obese adults with type 2 diabetes mellitus and peripheral neuropathy. Journal of Diabetes and Its Complications, 2015, 29, 250-257.	2.3	51
22	Outcomes of the Bridle Procedure for the Treatment of Foot Drop. Foot and Ankle International, 2015, 36, 1287-1296.	2.3	32
23	Windlass Mechanism in Individuals With Diabetes Mellitus, Peripheral Neuropathy, and Low Medial Longitudinal Arch Height. Foot and Ankle International, 2014, 35, 816-824.	2.3	7
24	Changes in thigh muscle volume predict bone mineral density response to lifestyle therapy in frail, obese older adults. Osteoporosis International, 2014, 25, 551-558.	3.1	52
25	Weight loss, exercise or both and cardiometabolic risk factors in obese older adults: results of a randomized controlled trial. International Journal of Obesity, 2014, 38, 423-431.	3.4	124
26	Effect of weight loss, exercise, or both on cognition and quality of life in obese older adults. American Journal of Clinical Nutrition, 2014, 100, 189-198.	4.7	127
27	Kinematics and kinetics of single-limb heel rise in diabetes related medial column foot deformity. Clinical Biomechanics, 2014, 29, 1016-1022.	1.2	17
28	Radiographic-directed local coordinate systems critical in kinematic analysis of walking in diabetes-related medial column foot deformity. Gait and Posture, 2014, 40, 128-133.	1.4	7
29	Experimental and computational analysis of composite ankle-foot orthosis. Journal of Rehabilitation Research and Development, 2014, 51, 1525-1536.	1.6	33
30	Neuropathic midfoot deformity: associations with ankle and subtalar joint motion. Journal of Foot and Ankle Research, 2013, 6, 11.	1.9	27
31	Automated, Foot-Bone Registration Using Subdivision-Embedded Atlases for Spatial Mapping of Bone Mineral Density. Journal of Digital Imaging, 2013, 26, 554-562.	2.9	5
32	Reliability of clinically relevant 3D foot bone angles from quantitative computed tomography. Journal of Foot and Ankle Research, 2013, 6, 38.	1.9	39
33	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
34	Dual-energy X-ray absorptiometry of human metatarsals: Precision, least significant change and association to ex vivo fracture force. Foot, 2013, 23, 63-69.	1.1	4
35	Predicting ex vivo failure loads in human metatarsals using bone strength indices derived from volumetric quantitative computed tomography. Journal of Biomechanics, 2013, 46, 745-750.	2.1	14
36	Kinetics and kinematics after the Bridle procedure for treatment of traumatic foot drop. Clinical Biomechanics, 2013, 28, 555-561.	1.2	22

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37	Impact of Charcot neuroarthropathy on metatarsal bone mineral density and geometric strength indices. <i>Bone</i> , 2013, 52, 407-413.	2.9	14
38	Pedal Bone Density, Strength, Orientation, and Plantar Loads Preceding Incipient Metatarsal Fracture After Charcot Neuroarthropathy: 2 Case Reports. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2013, 43, 744-751.	3.5	9
39	Progression of Foot Deformity in Charcot Neuropathic Osteoarthropathy. <i>Journal of Bone and Joint Surgery - Series A</i> , 2013, 95, 1206-1213.	3.0	66
40	Muscle Protein Synthesis Response to Exercise Training in Obese, Older Men and Women. <i>Medicine and Science in Sports and Exercise</i> , 2012, 44, 1259-1266.	0.4	44
41	Sarcopenic Indices in Community-Dwelling Older Adults. <i>Journal of Geriatric Physical Therapy</i> , 2012, 35, 118-125.	1.1	25
42	Botulinum Toxin Effects on Gasatrocnemius Strength and Plantar Pressure in Diabetics with Peripheral Neuropathy and Forefoot Ulceration. <i>Foot and Ankle International</i> , 2012, 33, 363-370.	2.3	5
43	Intermuscular Adipose Tissue Is Muscle Specific and Associated with Poor Functional Performance. <i>Journal of Aging Research</i> , 2012, 2012, 1-7.	0.9	144
44	Weight loss in obese older adults increases serum sclerostin and impairs hip geometry but both are prevented by exercise training. <i>Journal of Bone and Mineral Research</i> , 2012, 27, 1215-1221.	2.8	119
45	Assessment of technical and biological parameters of volumetric quantitative computed tomography of the foot: a phantom study. <i>Osteoporosis International</i> , 2012, 23, 1977-1985.	3.1	14
46	Volumetric Quantitative Computed Tomography Measurement Precision for Volumes and Densities of Tarsal and Metatarsal Bones. <i>Journal of Clinical Densitometry</i> , 2011, 14, 313-320.	1.2	19
47	Weight Loss, Exercise, or Both and Physical Function in Obese Older Adults. <i>New England Journal of Medicine</i> , 2011, 364, 1218-1229.	27.0	869
48	Removable cast walker boots yield greater forefoot off-loading than total contact casts. <i>Clinical Biomechanics</i> , 2011, 26, 649-654.	1.2	65
49	Weight Loss, Exercise, or Both and Physical Function in Obese Older Adults. <i>Obstetrical and Gynecological Survey</i> , 2011, 66, 488-489.	0.4	9
50	Regular Multicomponent Exercise Increases Physical Fitness and Muscle Protein Anabolism in Frail, Obese, Older Adults. <i>Obesity</i> , 2011, 19, 312-318.	3.0	104
51	Exercise training in obese older adults prevents increase in bone turnover and attenuates decrease in hip bone mineral density induced by weight loss despite decline in bone-active hormones. <i>Journal of Bone and Mineral Research</i> , 2011, 26, 2851-2859.	2.8	149
52	Lower Physical Activity Is Associated With Higher Intermuscular Adipose Tissue in People With Type 2 Diabetes and Peripheral Neuropathy. <i>Physical Therapy</i> , 2011, 91, 923-930.	2.4	88
53	Precision of Foot Alignment Measures in Charcot Arthropathy. <i>Foot and Ankle International</i> , 2011, 32, 867-872.	2.3	37
54	Foot progression angle and medial loading in individuals with diabetes mellitus, peripheral neuropathy, and a foot ulcer. <i>Gait and Posture</i> , 2010, 32, 237-241.	1.4	29

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55	Tarsal and Metatarsal Bone Mineral Density Measurement Using Volumetric Quantitative Computed Tomography. <i>Journal of Digital Imaging</i> , 2009, 22, 492-502.	2.9	33
56	Diet and Exercise Interventions Reduce Intrahepatic Fat Content and Improve Insulin Sensitivity in Obese Older Adults. <i>Obesity</i> , 2009, 17, 2162-2168.	3.0	159
57	Mid foot kinetics characterize structural polymorphism in diabetic foot disease. <i>Clinical Biomechanics</i> , 2008, 23, 653-661.	1.2	31
58	Plantar Stresses on the Neuropathic Foot During Barefoot Walking. <i>Physical Therapy</i> , 2008, 88, 1375-1384.	2.4	54
59	Excessive Adipose Tissue Infiltration in Skeletal Muscle in Individuals With Obesity, Diabetes Mellitus, and Peripheral Neuropathy: Association With Performance and Function. <i>Physical Therapy</i> , 2008, 88, 1336-1344.	2.4	283
60	Bone Mineral Density of the Tarsals and Metatarsals With Reloading. <i>Physical Therapy</i> , 2008, 88, 766-779.	2.4	8
61	OFF-LOADING FOR DIABETIC FOOT DISEASE. , 2008, , 287-304.		3
62	Inflammatory Osteolysis in Diabetic Neuropathic (Charcot) Arthropathies of the Foot. <i>Physical Therapy</i> , 2008, 88, 1399-1407.	2.4	42
63	Effect of Weight Loss and Exercise Therapy on Bone Metabolism and Mass in Obese Older Adults: A One-Year Randomized Controlled Trial. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008, 93, 2181-2187.	3.6	131
64	Exercise Attenuates the Weight-Loss-Induced Reduction in Muscle Mass in Frail Obese Older Adults. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, 1213-1219.	0.4	167
65	Interactive Separation of Segmented Bones in CT Volumes Using Graph Cut. <i>Lecture Notes in Computer Science</i> , 2008, 11, 296-304.	1.3	40
66	Training-Induced Strength and Functional Adaptations After Hip Fracture. <i>Physical Therapy</i> , 2007, 87, 292-303.	2.4	42
67	Developing a biomarker for neuropathic arthropathy in diabetic patients. , 2007, , .		6
68	Effect of lifestyle intervention on metabolic coronary heart disease risk factors in obese older adults. <i>American Journal of Clinical Nutrition</i> , 2006, 84, 1317-1323.	4.7	194
69	Effect of Weight Loss and Exercise on Frailty in Obese Older Adults. <i>Archives of Internal Medicine</i> , 2006, 166, 860.	3.8	245
70	Bone Mineral Density During Total Contact Cast Immobilization for a Patient With Neuropathic (Charcot) Arthropathy. <i>Physical Therapy</i> , 2005, 85, 249-256.	2.4	35
71	Effect of Achilles Tendon Lengthening on Ankle Muscle Performance in People With Diabetes Mellitus and a Neuropathic Plantar Ulcer. <i>Physical Therapy</i> , 2005, 85, 34-43.	2.4	53
72	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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73	Effects of Progressive Resistance Training on Body Composition in Frail Older Adults: Results of a Randomized, Controlled Trial. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2005, 60, 1425-1431.	3.6	212
74	Bone mineral density during total contact cast immobilization for a patient with neuropathic (Charcot) arthropathy. <i>Physical Therapy</i> , 2005, 85, 249-56.	2.4	18
75	Relationship between changes in activity and plantar ulcer recurrence in a patient with diabetes mellitus. <i>Physical Therapy</i> , 2005, 85, 579-88.	2.4	9
76	Effects of exercise training on bone mineral density in frail older women and men: a randomised controlled trial. <i>Age and Ageing</i> , 2004, 33, 309-312.	1.6	37
77	Effects of Extended Outpatient Rehabilitation After Hip Fracture. <i>JAMA - Journal of the American Medical Association</i> , 2004, 292, 837.	7.4	322
78	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
79	Physical Frailty and Body Composition in Obese Elderly Men and Women. <i>Obesity</i> , 2004, 12, 913-920.	4.0	373
80	Persistent Pain in Frail Older Adults After Hip Fracture Repair. <i>Journal of the American Geriatrics Society</i> , 2004, 52, 2062-2068.	2.6	75
81	Variability in Activity May Precede Diabetic Foot Ulceration: Response to Armstrong et al.. <i>Diabetes Care</i> , 2004, 27, 3028-3028.	8.6	4
82	Effect of Achilles Tendon Lengthening on Neuropathic Plantar Ulcers. <i>Journal of Bone and Joint Surgery - Series A</i> , 2004, 86, 870-871.	3.0	5
83	Effects of Exercise Training Added to Ongoing Hormone Replacement Therapy on Bone Mineral Density in Frail Elderly Women. <i>Journal of the American Geriatrics Society</i> , 2003, 51, 985-990.	2.6	71
84	EFFECT OF ACHILLES TENDON LENGTHENING ON NEUROPATHIC PLANTAR ULCERS. <i>Journal of Bone and Joint Surgery - Series A</i> , 2003, 85, 1436-1445.	3.0	317
85	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
86	Effects of Exercise Training on Frailty in Community-Dwelling Older Adults: Results of a Randomized, Controlled Trial. <i>Journal of the American Geriatrics Society</i> , 2002, 50, 1921-1928.	2.6	476
87	Severe sensory neuropathy need not precede Charcot arthropathies of the foot or ankle: implications for the rehabilitation specialist. <i>Physiotherapy Theory and Practice</i> , 2001, 17, 39-50.	1.3	5
88	Timing of peak plantar pressure during the stance phase of walking. A study of patients with diabetes mellitus and transmetatarsal amputation. <i>Journal of the American Podiatric Medical Association</i> , 2000, 90, 18-23.	0.3	22
89	Physical and Performance Measures for the Identification of Mild to Moderate Frailty. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2000, 55, M350-M355.	3.6	288
90	Effects of a Tendo-Achilles Lengthening Procedure on Muscle Function and Gait Characteristics in a Patient With Diabetes Mellitus. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2000, 30, 85-90.	3.5	72

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91	Low-Intensity exercise as a modifier of physical frailty in older adults. Archives of Physical Medicine and Rehabilitation, 2000, 81, 960-965.	0.9	172
92	Pedal Ulcers in Older Adults with Diabetes Mellitus. Topics in Geriatric Rehabilitation, 2000, 16, 11-23.	0.4	3
93	Resistance exercise training increases mixed muscle protein synthesis rate in frail women and men ≥76 yr old. American Journal of Physiology - Endocrinology and Metabolism, 1999, 277, E118-E125.	3.5	128
94	Recognition and Management of Acute Neuropathic (Charcot) Arthropathies of the Foot and Ankle. Journal of Orthopaedic and Sports Physical Therapy, 1999, 29, 736-746.	3.5	48
95	Healing times of pedal ulcers in diabetic immunosuppressed patients after transplantation. Archives of Physical Medicine and Rehabilitation, 1999, 80, 935-940.	0.9	16
96	Special Issue on the Ankle and Foot. Journal of Orthopaedic and Sports Physical Therapy, 1999, 29, 701-702.	3.5	0
97	Acute Charcot Arthropathy in Patients with Diabetes Mellitus. Journal of Diabetes and Its Complications, 1998, 12, 287-293.	2.3	83
98	Healing Times of Diabetic Ulcers in the Presence of Fixed Deformities of the Foot Using Total Contact Casting. Foot and Ankle International, 1998, 19, 613-618.	2.3	42
99	Unilateral Hip Rotation Range of Motion Asymmetry in Patients With Sacroiliac Joint Regional Pain. Spine, 1998, 23, 1009-1015.	2.0	126
100	Total Contact Casting for Diabetic Neuropathic Ulcers. Physical Therapy, 1996, 76, 296-301.	2.4	75
101	Factoren die een rol spelen bij revalidatie na transmetatarsale amputatie. Stimulus, 1996, 15, 22-27.	0.0	0
102	The Relationship of Strength to Function in the Older Adult. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 1995, 50A, 55-59.	3.6	173
103	Incidence of skin breakdown and higher amputation after transmetatarsal amputation: Implications for rehabilitation. Archives of Physical Medicine and Rehabilitation, 1995, 76, 50-54.	0.9	71
104	High-voltage galvanic stimulation on wound healing in guinea pigs: Longer-term effects. Archives of Physical Medicine and Rehabilitation, 1995, 76, 1134-1137.	0.9	27
105	Recovery From a 1-Minute Bout of Fatiguing Exercise: Characteristics, Reliability, and Responsiveness. Physical Therapy, 1994, 74, 234-241.	2.4	9
106	Quadriceps Femoris Muscle Resistance to Fatigue Using an Electrically Elicited Fatigue Test Following Intense Endurance Exercise Training. Physical Therapy, 1994, 74, 930-939.	2.4	6
107	Hip and ankle walking strategies: Effect on peak plantar pressures and implications for neuropathic ulceration. Archives of Physical Medicine and Rehabilitation, 1994, 75, 1196-1200.	0.9	125
108	Shin Splints and Forefoot Contact Running: A Case Report. Journal of Orthopaedic and Sports Physical Therapy, 1994, 20, 98-102.	3.5	14

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109	Rehabilitation Factors Following Transmetatarsal Amputation. <i>Physical Therapy</i> , 1994, 74, 1027-1033.	2.4	34
110	The Role of Skeletal Muscle in Glucose Transport, Glucose Homeostasis, and Insulin Resistance: Implications for Physical Therapy. <i>Physical Therapy</i> , 1993, 73, 878-891.	2.4	64
111	Histochemical and Physiological Correlates of Training- and Detraining-Induced Changes in the Recovery From a Fatigue Test. <i>Physical Therapy</i> , 1993, 73, 661-667.	2.4	16
112	Type II Fiber Activation with Electrical Stimulation: A Preliminary Report. <i>Physical Therapy</i> , 1990, 70, 416-422.	2.4	103
113	Total Contact Casting in Treatment of Diabetic Plantar Ulcers: Controlled Clinical Trial. <i>Diabetes Care</i> , 1989, 12, 384-388.	8.6	305
114	Insensitivity, Limited Joint Mobility, and Plantar Ulcers in Patients with Diabetes Mellitus. <i>Physical Therapy</i> , 1989, 69, 453-459.	2.4	197
115	Reliability of a Diabetic Foot Evaluation. <i>Physical Therapy</i> , 1989, 69, 797-802.	2.4	162
116	Diabetic Plantar Ulcers Treated by Total Contact Casting. <i>Physical Therapy</i> , 1987, 67, 1543-1549.	2.4	113
117	Electrically Elicited Fatigue Test of the Quadriceps Femoris Muscle. <i>Physical Therapy</i> , 1987, 67, 941-945.	2.4	18
118	Molded Double-Rocker Plaster Shoe for Healing a Diabetic Plantar Ulcer. <i>Physical Therapy</i> , 1987, 67, 1550-1552.	2.4	12
119	Hamstring Muscle Strain Treated by Mobilizing the Sacroiliac Joint. <i>Physical Therapy</i> , 1986, 66, 1220-1223.	2.4	97
120	Time course of loss of adaptations after stopping prolonged intense endurance training. <i>Journal of Applied Physiology</i> , 1984, 57, 1857-1864.	2.5	286
121	Effect of weight training on blood pressure and hemodynamics in hypertensive adolescents. <i>Journal of Pediatrics</i> , 1984, 104, 147-151.	1.8	102
122	Muscle function in rheumatic disease patients treated with corticosteroids. <i>Muscle and Nerve</i> , 1983, 6, 128-135.	2.2	42
123	Failure of endurance training to alter the cardiovascular response to static contraction. <i>Clinical Physiology</i> , 1983, 3, 219-226.	0.7	10
124	Electromyographic, Peak Torque, and Power Relationships During Isokinetic Movement. <i>Physical Therapy</i> , 1983, 63, 926-933.	2.4	73
125	Blood lactate threshold in some well-trained ischemic heart disease patients. <i>Journal of Applied Physiology</i> , 1983, 54, 18-23.	2.5	148
126	Effect of Damp on Isokinetic Measurements. <i>Physical Therapy</i> , 1983, 63, 1248-1250.	2.4	31