

Michelle D Shardell

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4925121/publications.pdf>

Version: 2024-02-01

110
papers

7,877
citations

94433

37
h-index

53230

85
g-index

114
all docs

114
docs citations

114
times ranked

10448
citing authors

#	ARTICLE	IF	CITATIONS
1	The FNIH Sarcopenia Project: Rationale, Study Description, Conference Recommendations, and Final Estimates. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2014, 69, 547-558.	3.6	1,638
2	Cluster-Randomized Trial of a Mobile Phone Personalized Behavioral Intervention for Blood Glucose Control. <i>Diabetes Care</i> , 2011, 34, 1934-1942.	8.6	584
3	Grip Strength Cutpoints for the Identification of Clinically Relevant Weakness. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2014, 69, 559-566.	3.6	392
4	Criteria for Clinically Relevant Weakness and Low Lean Mass and Their Longitudinal Association With Incident Mobility Impairment and Mortality: The Foundation for the National Institutes of Health (FNIH) Sarcopenia Project. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2014, 69, 576-583.	3.6	365
5	Sarcopenia Definition: The Position Statements of the Sarcopenia Definition and Outcomes Consortium. <i>Journal of the American Geriatrics Society</i> , 2020, 68, 1410-1418.	2.6	347
6	An Evidence-Based Comparison of Operational Criteria for the Presence of Sarcopenia. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2014, 69, 584-590.	3.6	314
7	Cutpoints for Low Appendicular Lean Mass That Identify Older Adults With Clinically Significant Weakness. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2014, 69, 567-575.	3.6	299
8	Association between the vaginal microbiota, menopause status, and signs of vulvovaginal atrophy. <i>Menopause</i> , 2014, 21, 450-458.	2.0	296
9	Interplay Between the Temporal Dynamics of the Vaginal Microbiota and Human Papillomavirus Detection. <i>Journal of Infectious Diseases</i> , 2014, 210, 1723-1733.	4.0	292
10	Age-Related Change in Mobility: Perspectives From Life Course Epidemiology and Geroscience. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016, 71, 1184-1194.	3.6	257
11	Serum 25-Hydroxyvitamin D and Depressive Symptoms in Older Women and Men. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010, 95, 3225-3233.	3.6	194
12	Reporting guidelines for human microbiome research: the STORMS checklist. <i>Nature Medicine</i> , 2021, 27, 1885-1892.	30.7	170
13	Association of Extracellular Vesicle Biomarkers With Alzheimer Disease in the Baltimore Longitudinal Study of Aging. <i>JAMA Neurology</i> , 2019, 76, 1340.	9.0	156
14	Statistical Analysis and Application of Quasi Experiments to Antimicrobial Resistance Intervention Studies. <i>Clinical Infectious Diseases</i> , 2007, 45, 901-907.	5.8	148
15	Association of Low Vitamin D Levels With the Frailty Syndrome in Men and Women. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2009, 64A, 69-75.	3.6	139
16	Putative Cutpoints in Sarcopenia Components and Incident Adverse Health Outcomes: An SDOCA Analysis. <i>Journal of the American Geriatrics Society</i> , 2020, 68, 1429-1437.	2.6	120
17	Comparison of Handgrip and Leg Extension Strength in Predicting Slow Gait Speed in Older Adults. <i>Journal of the American Geriatrics Society</i> , 2016, 64, 144-150.	2.6	103
18	Low-serum carotenoid concentrations and carotenoid interactions predict mortality in US adults: the Third National Health and Nutrition Examination Survey. <i>Nutrition Research</i> , 2011, 31, 178-189.	2.9	99

#	ARTICLE	IF	CITATIONS
19	Muscle strength mediates the relationship between mitochondrial energetics and walking performance. <i>Aging Cell</i> , 2017, 16, 461-468.	6.7	99
20	Establishing the Link Between Lean Mass and Grip Strength Cut Points With Mobility Disability and Other Health Outcomes: Proceedings of the Sarcopenia Definition and Outcomes Consortium Conference. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 1317-1323.	3.6	91
21	The vaginal metabolome and microbiota of cervical HPVâ€positive and HPVâ€negative women: a crossâ€sectional analysis. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2020, 127, 182-192.	2.3	86
22	A roadmap to build a phenotypic metric of ageing: insights from the Baltimore Longitudinal Study of Aging. <i>Journal of Internal Medicine</i> , 2020, 287, 373-394.	6.0	86
23	Cigarette smoking is associated with an altered vaginal tract metabolomic profile. <i>Scientific Reports</i> , 2018, 8, 852.	3.3	84
24	Delivery and Outcomes of a Yearlong Home Exercise Program After Hip Fracture. <i>Archives of Internal Medicine</i> , 2011, 171, 323-31.	3.8	77
25	Mobile diabetes intervention study: Testing a personalized treatment/behavioral communication intervention for blood glucose control. <i>Contemporary Clinical Trials</i> , 2009, 30, 334-346.	1.8	65
26	Association between the vaginal microbiota, menopause status, and signs of vulvovaginal atrophy. <i>Menopause</i> , 2018, 25, 1321-1330.	2.0	63
27	Plasma Klotho and Cognitive Decline in Older Adults: Findings From the InCHIANTI Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016, 71, 677-682.	3.6	60
28	Extracellular vesicle biomarkers of Alzheimer's disease associated with subâ€clinical cognitive decline in late middle age. <i>Alzheimer's and Dementia</i> , 2020, 16, 1293-1304.	0.8	53
29	Mobile Diabetes Intervention Study of Patient Engagement and Impact on Blood Glucose: Mixed Methods Analysis. <i>JMIR MHealth and UHealth</i> , 2018, 6, e31.	3.7	53
30	Serum 25â€Hydroxyvitamin <sc>D</sc>, Transitions Between Frailty States, and Mortality in Older Adults: The Invecchiare in Chianti Study. <i>Journal of the American Geriatrics Society</i> , 2012, 60, 256-264.	2.6	51
31	Effect of a Multicomponent Home-Based Physical Therapy Intervention on Ambulation After Hip Fracture in Older Adults. <i>JAMA - Journal of the American Medical Association</i> , 2019, 322, 946.	7.4	51
32	Mobile Diabetes Intervention for Glycemic Control in 45- to 64-Year-Old Persons With Type 2 Diabetes. <i>Journal of Applied Gerontology</i> , 2016, 35, 227-243.	2.0	49
33	Effects of aromatase inhibition vs. testosterone in older men with low testosterone: randomizedâ€controlled trial. <i>Andrology</i> , 2016, 4, 33-40.	3.5	48
34	Meaningful Improvement in Gait Speed in Hip Fracture Recovery. <i>Journal of the American Geriatrics Society</i> , 2011, 59, 1650-1657.	2.6	42
35	Strength and Function Response to Clinical Interventions of Older Women Categorized by Weakness and Low Lean Mass Using Classifications From the Foundation for the National Institute of Health Sarcopenia Project. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015, 70, 202-209.	3.6	42
36	Early body composition, but not body mass, is associated with future accelerated decline in muscle quality. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2017, 8, 490-499.	7.3	41

#	ARTICLE	IF	CITATIONS
37	Weighted estimating equations for longitudinal studies with death and non-monotone missing time-dependent covariates and outcomes. <i>Statistics in Medicine</i> , 2008, 27, 1008-1025.	1.6	38
38	Identification of Sarcopenia Components That Discriminate Slow Walking Speed: A Pooled Data Analysis. <i>Journal of the American Geriatrics Society</i> , 2020, 68, 1419-1428.	2.6	38
39	Inflammation and Trajectory of Renal Function in Community-Dwelling Older Adults. <i>Journal of the American Geriatrics Society</i> , 2018, 66, 804-811.	2.6	34
40	Serum 25-Hydroxyvitamin D, Plasma Klotho, and Lower-Extremity Physical Performance Among Older Adults: Findings From the InCHIANTI Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015, 70, 1156-1162.	3.6	29
41	Doubly robust estimation and causal inference in longitudinal studies with dropout and truncation by death. <i>Biostatistics</i> , 2015, 16, 155-168.	1.5	28
42	Moderate-to-Vigorous Physical Activity Is Associated With Higher Muscle Oxidative Capacity in Older Adults. <i>Journal of the American Geriatrics Society</i> , 2019, 67, 1695-1699.	2.6	27
43	Plasma Klotho and Frailty in Older Adults: Findings From the InCHIANTI Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 1052-1057.	3.6	27
44	The Impact of a Mobile Diabetes Health Intervention on Diabetes Distress and Depression Among Adults: Secondary Analysis of a Cluster Randomized Controlled Trial. <i>JMIR MHealth and UHealth</i> , 2017, 5, e183.	3.7	26
45	Association of Vaginal Microbiota With Signs and Symptoms of the Genitourinary Syndrome of Menopause Across Reproductive Stages. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 1542-1550.	3.6	25
46	Biogenic Amines Increase the Odds of Bacterial Vaginosis and Affect the Growth of and Lactic Acid Production by Vaginal <i>Lactobacillus</i> spp.. <i>Applied and Environmental Microbiology</i> , 2021, 87, .	3.1	24
47	The association of <i>Chlamydia trachomatis</i> and <i>Mycoplasma genitalium</i> infection with the vaginal metabolome. <i>Scientific Reports</i> , 2020, 10, 3420.	3.3	23
48	The effect of age and microstructural white matter integrity on lap time variation and fast-paced walking speed. <i>Brain Imaging and Behavior</i> , 2016, 10, 697-706.	2.1	21
49	The longitudinal association of changes in diurnal cortisol features with fasting glucose: MESA. <i>Psychoneuroendocrinology</i> , 2020, 119, 104698.	2.7	20
50	Pain severity as a mediator of the association between depressive symptoms and physical performance in knee osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2018, 26, 1453-1460.	1.3	19
51	The Effect of Universal Glove and Gown Use on Adverse Events in Intensive Care Unit Patients. <i>Clinical Infectious Diseases</i> , 2015, 61, 545-553.	5.8	18
52	Differences in the trajectory of bone mineral density change measured at the total hip and femoral neck between men and women following hip fracture. <i>Archives of Osteoporosis</i> , 2016, 11, 9.	2.4	18
53	Changes in knee extension peak torque and body composition and their relationship with change in gait speed. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2019, 10, 1000-1008.	7.3	18
54	Agreement and Predictive Validity Using Less-Conservative Foundation for the National Institutes of Health Sarcopenia Project Weakness Cutpoints. <i>Journal of the American Geriatrics Society</i> , 2017, 65, 574-579.	2.6	17

#	ARTICLE	IF	CITATIONS
55	Diffusion-weighted MRI with intravoxel incoherent motion modeling for assessment of muscle perfusion in the thigh during post-exercise hyperemia in younger and older adults. <i>NMR in Biomedicine</i> , 2019, 32, e4072.	2.8	17
56	Survival curve estimation for informatively coarsened discrete event-time data. <i>Statistics in Medicine</i> , 2007, 26, 2184-2202.	1.6	16
57	Effects of Transdermal Testosterone Gel or an Aromatase Inhibitor on Prostate Volume in Older Men. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 1865-1871.	3.6	16
58	Effects of Prefracture Depressive Illness and Postfracture Depressive Symptoms on Physical Performance After Hip Fracture. <i>Journal of the American Geriatrics Society</i> , 2016, 64, e171-e176.	2.6	15
59	Testosterone vs. aromatase inhibitor in older men with low testosterone: effects on cardiometabolic parameters. <i>Andrology</i> , 2017, 5, 31-40.	3.5	15
60	Joint mixed-effects models for causal inference with longitudinal data. <i>Statistics in Medicine</i> , 2018, 37, 829-846.	1.6	15
61	Longitudinal phenotypic aging metrics in the Baltimore Longitudinal Study of Aging. <i>Nature Aging</i> , 2022, 2, 635-643.	11.6	15
62	Semiparametric regression models for repeated measures of mortal cohorts with non-monotone missing outcomes and time-dependent covariates. <i>Statistics in Medicine</i> , 2010, 29, 2282-2296.	1.6	14
63	What Cut-Point in Gait Speed Best Discriminates Community-Dwelling Older Adults With Mobility Complaints From Those Without? A Pooled Analysis From the Sarcopenia Definitions and Outcomes Consortium. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, e321-e327.	3.6	14
64	Lap time variation and executive function in older adults: the Baltimore Longitudinal Study of Aging. <i>Age and Ageing</i> , 2015, 44, 796-800.	1.6	13
65	Proteomic signatures of in vivo muscle oxidative capacity in healthy adults. <i>Aging Cell</i> , 2020, 19, e13124.	6.7	13
66	Prior colonization is associated with increased risk of antibiotic-resistant Gram-negative bacteremia in cancer patients. <i>Diagnostic Microbiology and Infectious Disease</i> , 2014, 79, 73-76.	1.8	12
67	Comparing Analytical Methods for the Gut Microbiome and Aging: Gut Microbial Communities and Body Weight in the Osteoporotic Fractures in Men (MrOS) Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 1267-1275.	3.6	12
68	Comparing Reports From Hip-Fracture Patients and Their Proxies. <i>Journal of Aging and Health</i> , 2012, 24, 367-383.	1.7	11
69	Difference in the trajectory of change in bone geometry as measured by hip structural analysis in the narrow neck, intertrochanteric region, and femoral shaft between men and women following hip fracture. <i>Bone</i> , 2016, 92, 124-131.	2.9	11
70	Effects of transdermal testosterone gel or an aromatase inhibitor on serum concentration and pulsatility of growth hormone in older men with age-related low testosterone. <i>Metabolism: Clinical and Experimental</i> , 2017, 69, 143-147.	3.4	11
71	Statistical analysis with missing exposure data measured by proxy respondents: a misclassification problem within a missing-data problem. <i>Statistics in Medicine</i> , 2014, 33, 4437-4452.	1.6	10
72	Asymmetry in CT Scan Measures of Thigh Muscle 2 Months After Hip Fracture: The Baltimore Hip Studies. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015, 70, 753-756.	3.6	10

#	ARTICLE	IF	CITATIONS
73	Association of abdominal fat with serum amylase in an older cohort: The Baltimore Longitudinal Study of Aging. <i>Diabetes Research and Clinical Practice</i> , 2016, 116, 212-217.	2.8	10
74	Instrumental variable analysis of multiplicative models with potentially invalid instruments. <i>Statistics in Medicine</i> , 2016, 35, 5430-5447.	1.6	9
75	Application of SDOC Cut Points for Low Muscle Strength for Recovery of Walking Speed After Hip Fracture. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 1379-1385.	3.6	9
76	Assessing the Concordance Between Urogenital and Vaginal Microbiota: Can Urine Specimens Be Used as a Proxy for Vaginal Samples?. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 671413.	3.9	9
77	An mHealth Diabetes Intervention for Glucose Control: Health Care Utilization Analysis. <i>JMIR MHealth and UHealth</i> , 2018, 6, e10776.	3.7	9
78	Sex Differences in Recovery Across Multiple Domains Among Older Adults With Hip Fracture. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 1463-1471.	3.6	8
79	Pattern mixture models for analyzing normal outcome data with proxy respondents. <i>Statistics in Medicine</i> , 2010, 29, 1522-1538.	1.6	7
80	Sensitivity Analysis Using Elicited Expert Information for Inference With Coarsened Data: Illustration of Censored Discrete Event Times in the AIDS Link to Intravenous Experience (ALIVE) Study. <i>American Journal of Epidemiology</i> , 2008, 168, 1460-1469.	3.4	6
81	Sensitivity Analysis for Nonignorable Missingness and Outcome Misclassification from Proxy Reports. <i>Epidemiology</i> , 2013, 24, 215-223.	2.7	6
82	Asymmetry in CT Scan Measures of Thigh Muscle 2 Months After Hip Fracture: The Baltimore Hip Studies. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015, 70, 1276-1280.	3.6	6
83	Sex-specific 25-hydroxyvitamin D threshold concentrations for functional outcomes in older adults: PROject on Optimal Vitamin D in Older adults (PROVIDO). <i>American Journal of Clinical Nutrition</i> , 2021, 114, 16-28.	4.7	6
84	Sensitivity Analysis of Informatively Coarsened Data Using Pattern Mixture Models. <i>Journal of Biopharmaceutical Statistics</i> , 2009, 19, 1018-1038.	0.8	5
85	Soluble Tumor Necrosis Factor Alpha Receptor 1, Bone Resorption, and Bone Mineral Density in the Year Following Hip Fractures: The Baltimore Hip Studies. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 1649-1656.	2.8	5
86	Authors' reply re: The vaginal metabolome and microbiota of cervical HPV-positive and HPV-negative women: a cross-sectional analysis. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2020, 127, 773-774.	2.3	5
87	Long-term sex differences in all-cause and infection-specific mortality post hip fracture. <i>Journal of the American Geriatrics Society</i> , 2022, 70, 2107-2114.	2.6	5
88	Inference for cumulative incidence functions with informatively coarsened discrete event-time data. <i>Statistics in Medicine</i> , 2008, 27, 5861-5879.	1.6	4
89	Lower gray matter integrity is associated with greater lap time variation in high-functioning older adults. <i>Experimental Gerontology</i> , 2016, 77, 46-51.	2.8	4
90	Plasma Soluble Klotho, Serum Fibroblast Growth Factor 23, and Mobility Disability in Community-Dwelling Older Adults. <i>Journal of the Endocrine Society</i> , 2020, 4, bvz032.	0.2	4

#	ARTICLE	IF	CITATIONS
91	Effect of mupirocin for Staphylococcus aureus decolonization on the microbiome of the nose and throat in community and nursing home dwelling adults. PLoS ONE, 2021, 16, e0252004.	2.5	4
92	Relationship Between Depression and Disease Activity in United States Veterans With Early Rheumatoid Arthritis Receiving Methotrexate. Journal of Rheumatology, 2021, 48, 813-820.	2.0	3
93	Traumatic Brain Injury and Risk of Long-Term Nursing Home Entry among Older Adults: An Analysis of Medicare Administrative Claims Data. Journal of Neurotrauma, 2023, 40, 86-93.	3.4	3
94	Depressive symptom heterogeneity among older adults after hip fracture. Age and Ageing, 2021, 50, 1943-1951.	1.6	2
95	Calculating Sample Size for Studies with Expected All-None Nonadherence and Selection Bias. Biometrics, 2009, 65, 635-639.	1.4	1
96	Commentary: Back to the future with Sir Bradford Hill: statistical analysis with hospital-acquired infections. International Journal of Epidemiology, 2013, 42, 1509-1510.	1.9	1
97	640The Effect of Universal Glove and Gown Use on Adverse Events in the Benefits of Universal Glove and Gown (BUGG) Cluster Randomized Trial. Open Forum Infectious Diseases, 2014, 1, S32-S32.	0.9	1
98	Association of Vaginal Microbiota With the Genitourinary Syndrome of Menopause Across Reproductive Stages. Innovation in Aging, 2020, 4, 171-171.	0.1	1
99	O05.5â€¦.A Longitudinal Study of the Vaginal Microbiota and HPV Detection. Sexually Transmitted Infections, 2013, 89, A36.1-A36.	1.9	0
100	LONGITUDINAL CHANGE OF PHYSICAL AND COGNITIVE FUNCTIONS IN BLSA. Innovation in Aging, 2019, 3, S579-S579.	0.1	0
101	ANALYTICAL CONSIDERATIONS OF DEVELOPING A PHENOTYPIC AGING MEASURE: THE CONCEPTUAL FRAMEWORK MUST COME FIRST!. Innovation in Aging, 2019, 3, S579-S580.	0.1	0
102	THE ASSOCIATION BETWEEN MODERATE-TO-VIGOROUS PHYSICAL ACTIVITY AND MUSCLE OXIDATIVE CAPACITY IN OLDER ADULTS. Innovation in Aging, 2019, 3, S84-S85.	0.1	0
103	Differences in geometric strength at the contralateral hip between men with hip fracture and non-fractured comparators. Bone, 2020, 132, 115187.	2.9	0
104	Comparing Analytical Methods for Gut Microbiome and Aging: Gut Microbiota and Body Weight in the MrOS. Innovation in Aging, 2020, 4, 839-839.	0.1	0
105	Metrics of Phenotypic Aging From the Energetics Perspective. Innovation in Aging, 2020, 4, 143-143.	0.1	0
106	Fatigability: An Early Marker of Diminished Renal Function?. Innovation in Aging, 2021, 5, 206-207.	0.1	0
107	Sex Difference in All-Cause and Infection-Specific Mortality Over 10 Years Post Hip Fracture. Innovation in Aging, 2021, 5, 163-164.	0.1	0
108	Longitudinal Profiling in Phenotypic Metric of Aging: Insights From the Baltimore Longitudinal Study of Aging. Innovation in Aging, 2021, 5, 5-5.	0.1	0

#	ARTICLE	IF	CITATIONS
109	Sex-Specific 25-Hydroxyvitamin D Threshold Concentrations for Functional Outcomes in Older Adults. <i>Innovation in Aging</i> , 2021, 5, 469-469.	0.1	0
110	Waste Not, Want Not: Proper Design, Analysis, and Interpretation Are Essential to Advancing Aging Research Across the Translational Science Spectrum. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, , .	3.6	0