

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	Traumatic Brain Injury and Risk of Long-Term Nursing Home Entry among Older Adults: An Analysis of Medicare Administrative Claims Data. <i>Journal of Neurotrauma</i> , 2023, 40, 86-93.	3.4	3
2	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
3	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
4	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
5	Longitudinal phenotypic aging metrics in the Baltimore Longitudinal Study of Aging. <i>Nature Aging</i> , 2022, 2, 635-643.	11.6	15
6	Relationship Between Depression and Disease Activity in United States Veterans With Early Rheumatoid Arthritis Receiving Methotrexate. <i>Journal of Rheumatology</i> , 2021, 48, 813-820.	2.0	3
7	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
8	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
9	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
10	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
11	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
12	Effect of mupirocin for <i>Staphylococcus aureus</i> decolonization on the microbiome of the nose and throat in community and nursing home dwelling adults. <i>PLoS ONE</i> , 2021, 16, e0252004.	2.5	4
13	Depressive symptom heterogeneity among older adults after hip fracture. <i>Age and Ageing</i> , 2021, 50, 1943-1951.	1.6	2
14	Reporting guidelines for human microbiome research: the STORMS checklist. <i>Nature Medicine</i> , 2021, 27, 1885-1892.	30.7	170
15	Fatigability: An Early Marker of Diminished Renal Function?. <i>Innovation in Aging</i> , 2021, 5, 206-207.	0.1	0
16	Sex Difference in All-Cause and Infection-Specific Mortality Over 10 Years Post Hip Fracture. <i>Innovation in Aging</i> , 2021, 5, 163-164.	0.1	0
17	Longitudinal Profiling in Phenotypic Metric of Aging: Insights From the Baltimore Longitudinal Study of Aging. <i>Innovation in Aging</i> , 2021, 5, 5-5.	0.1	0
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Differences in geometric strength at the contralateral hip between men with hip fracture and non-fractured comparators. <i>Bone</i> , 2020, 132, 115187.	2.9	0
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	The longitudinal association of changes in diurnal cortisol features with fasting glucose: MESA. <i>Psychoneuroendocrinology</i> , 2020, 119, 104698.	2.7	20
23	Plasma Soluble Î±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
24	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
25	Authors' reply re: 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, 773-774.	2.3	5
26	Proteomic signatures of in vivo muscle oxidative capacity in healthy adults. <i>Aging Cell</i> , 2020, 19, e13124.	6.7	13
27	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
28	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
29	Putative Cutâ€Points in Sarcopenia Components and Incident Adverse Health Outcomes: An <sc>SDOC</sc> Analysis. <i>Journal of the American Geriatrics Society</i> , 2020, 68, 1429-1437.	2.6	120
30	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
31	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
32	The association of Chlamydia trachomatis and Mycoplasma genitalium infection with the vaginal metabolome. <i>Scientific Reports</i> , 2020, 10, 3420.	3.3	23
33	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
34	Comparing Analytical Methods for Gut Microbiome and Aging: Gut Microbiota and Body Weight in the MrOS. <i>Innovation in Aging</i> , 2020, 4, 839-839.	0.1	0
35	Association of Vaginal Microbiota With the Genitourinary Syndrome of Menopause Across Reproductive Stages. <i>Innovation in Aging</i> , 2020, 4, 171-171.	0.1	1
36	Metrics of Phenotypic Aging From the Energetics Perspective. <i>Innovation in Aging</i> , 2020, 4, 143-143.	0.1	0

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	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
40	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
41	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
42	LONGITUDINAL CHANGE OF PHYSICAL AND COGNITIVE FUNCTIONS IN BLSA. <i>Innovation in Aging</i> , 2019, 3, S579-S579.	0.1	0
43	ANALYTICAL CONSIDERATIONS OF DEVELOPING A PHENOTYPIC AGING MEASURE: THE CONCEPTUAL FRAMEWORK MUST COME FIRST!. <i>Innovation in Aging</i> , 2019, 3, S579-S580.	0.1	0
44	THE ASSOCIATION BETWEEN MODERATE-TO-VIGOROUS PHYSICAL ACTIVITY AND MUSCLE OXIDATIVE CAPACITY IN OLDER ADULTS. <i>Innovation in Aging</i> , 2019, 3, S84-S85.	0.1	0
45	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
46	Cigarette smoking is associated with an altered vaginal tract metabolomic profile. <i>Scientific Reports</i> , 2018, 8, 852.	3.3	84
47	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
48	Joint mixed-effects models for causal inference with longitudinal data. <i>Statistics in Medicine</i> , 2018, 37, 829-846.	1.6	15
49	Association between the vaginal microbiota, menopause status, and signs of vulvovaginal atrophy. <i>Menopause</i> , 2018, 25, 1321-1330.	2.0	63
50	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
51	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
52	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
53	An mHealth Diabetes Intervention for Glucose Control: Health Care Utilization Analysis. <i>JMIR MHealth and UHealth</i> , 2018, 6, e10776.	3.7	9
54	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
55	Muscle strength mediates the relationship between mitochondrial energetics and walking performance. <i>Aging Cell</i> , 2017, 16, 461-468.	6.7	99
56	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
57	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
58	Testosterone vs. aromatase inhibitor in older men with low testosterone: effects on cardiometabolic parameters. <i>Andrology</i> , 2017, 5, 31-40.	3.5	15
59	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
60	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
61	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
62	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
63	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
64	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
65	Effects of aromatase inhibition vs. testosterone in older men with low testosterone: randomized controlled trial. <i>Andrology</i> , 2016, 4, 33-40.	3.5	48
66	Instrumental variable analysis of multiplicative models with potentially invalid instruments. <i>Statistics in Medicine</i> , 2016, 35, 5430-5447.	1.6	9
67	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
68	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
69	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
70	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
71	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
72	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

#	ARTICLE	IF	CITATIONS
73	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
74	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
75	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
76	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
77	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
78	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
79	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
80	640The Effect of Universal Glove and Gown Use on Adverse Events in the Benefits of Universal Glove and Gown (BUGG) Cluster Randomized Trial. <i>Open Forum Infectious Diseases</i> , 2014, 1, S32-S32.	0.9	1
81	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
82	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
83	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
84	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
85	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
86	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
87	Association between the vaginal microbiota, menopause status, and signs of vulvovaginal atrophy. <i>Menopause</i> , 2014, 21, 450-458.	2.0	296
88	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
89	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
90	Sensitivity Analysis for Nonignorable Missingness and Outcome Misclassification from Proxy Reports. <i>Epidemiology</i> , 2013, 24, 215-223.	2.7	6

#	ARTICLE	IF	CITATIONS
91	Commentary: Back to the future with Sir Bradford Hill: statistical analysis with hospital-acquired infections. <i>International Journal of Epidemiology</i> , 2013, 42, 1509-1510.	1.9	1
92	O05.5â€...A Longitudinal Study of the Vaginal Microbiota and HPV Detection. <i>Sexually Transmitted Infections</i> , 2013, 89, A36.1-A36.	1.9	0
93	Comparing Reports From Hip-Fracture Patients and Their Proxies. <i>Journal of Aging and Health</i> , 2012, 24, 367-383.	1.7	11
94	Serum 25-Hydroxyvitamin D, 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
95	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
96	Meaningful Improvement in Gait Speed in Hip Fracture Recovery. <i>Journal of the American Geriatrics Society</i> , 2011, 59, 1650-1657.	2.6	42
97	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
98	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
99	Pattern mixture models for analyzing normal outcome data with proxy respondents. <i>Statistics in Medicine</i> , 2010, 29, 1522-1538.	1.6	7
100	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
101	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
102	Sensitivity Analysis of Informatively Coarsened Data Using Pattern Mixture Models. <i>Journal of Biopharmaceutical Statistics</i> , 2009, 19, 1018-1038.	0.8	5
103	Calculating Sample Size for Studies with Expected All-or-None Nonadherence and Selection Bias. <i>Biometrics</i> , 2009, 65, 635-639.	1.4	1
104	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
105	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
106	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
107	Inference for cumulative incidence functions with informatively coarsened discrete event-time data. <i>Statistics in Medicine</i> , 2008, 27, 5861-5879.	1.6	4
108	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

#	ARTICLE	IF	CITATIONS
109	Statistical Analysis and Application of Quasi Experiments to Antimicrobial Resistance Intervention Studies. <i>Clinical Infectious Diseases</i> , 2007, 45, 901-907.	5.8	148
110	Survival curve estimation for informatively coarsened discrete event-time data. <i>Statistics in Medicine</i> , 2007, 26, 2184-2202.	1.6	16