

# Sandra A Billinger

## List of Publications by Year in descending order

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Version: 2024-02-01

104  
papers

4,190  
citations

236925

25  
h-index

128289

60  
g-index

115  
all docs

115  
docs citations

115  
times ranked

4687  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cerebrovascular Response during Acute Exercise in Kidney Transplant Recipients. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2022, 17, 111-113.	4.5	4
2	Cerebrovascular response to an acute bout of low-volume high-intensity interval exercise and recovery in young healthy adults. <i>Journal of Applied Physiology</i> , 2022, 132, 236-246.	2.5	12
3	Preliminary Outcomes of Combined Treadmill and Overground High-Intensity Interval Training in Ambulatory Chronic Stroke. <i>Frontiers in Neurology</i> , 2022, 13, 812875.	2.4	11
4	Secondary Analysis of Walking Activities During the Acute Stroke Hospital Stay and Cerebrovascular Health. <i>Cardiopulmonary Physical Therapy Journal</i> , 2022, Publish Ahead of Print, .	0.3	1
5	Novel application of a force sensor during sitâ€toâ€stands to measure dynamic cerebral autoregulation onset. <i>Physiological Reports</i> , 2022, 10, e15244.	1.7	3
6	Cerebrovascular response to exercise interacts with individual genotype and amyloid-beta deposition to influence response inhibition with aging. <i>Neurobiology of Aging</i> , 2022, 114, 15-26.	3.1	6
7	420 Comparison of Statin Use to Non-Use on Cerebral Blood Flow Velocity in Older Adults at Risk for Alzheimers Disease: Data from a Phase II Multisite Clinical Trial. <i>Journal of Clinical and Translational Science</i> , 2022, 6, 82-82.	0.6	0
8	Sex-specific effects of cardiorespiratory fitness on age-related differences in cerebral hemodynamics. <i>Journal of Applied Physiology</i> , 2022, 132, 1310-1317.	2.5	8
9	An Exploratory Study of Cognitive Function and Central Adiposity in Men Receiving Androgen Deprivation Therapy for Prostate Cancer. , 2022, 49, 142-150.		0
10	Dementia risk and dynamic response to exercise: A non-randomized clinical trial. <i>PLoS ONE</i> , 2022, 17, e0265860.	2.5	6
11	Chronic hyperglycemia before acute ischemic stroke impairs the bilateral cerebrovascular response to exercise during the subacute recovery period. <i>Brain and Behavior</i> , 2021, 11, e01990.	2.2	4
12	Aerobic exercise improves hippocampal blood flow for hypertensive Apolipoprotein E4 carriers. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 2026-2037.	4.3	24
13	Pilot Study to Characterize Middle Cerebral Artery Dynamic Response to an Acute Bout of Moderate Intensity Exercise at 3â€and 6â€Months Poststroke. <i>Journal of the American Heart Association</i> , 2021, 10, e017821.	3.7	11
14	Effects of age and sex on middle cerebral artery blood velocity and flow pulsatility index across the adult lifespan. <i>Journal of Applied Physiology</i> , 2021, 130, 1675-1683.	2.5	44
15	Apolipoprotein E4 Moderates the Association Between Vascular Risk Factors and Brain Pathology. <i>Alzheimer Disease and Associated Disorders</i> , 2021, 35, 223-229.	1.3	3
16	The Relationship Between Cardiorespiratory Fitness and Middle Cerebral Artery Velocity in Women. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
17	How to Address Physical Activity Participation After Stroke in Research and Clinical Practice. <i>Stroke</i> , 2021, 52, e274-e277.	2.0	16
18	A methodology for an acute exercise clinical trial called dementia risk and dynamic response to exercise. <i>Scientific Reports</i> , 2021, 11, 12776.	3.3	8

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19	Moderate-intensity exercise versus high-intensity interval training to recover walking post-stroke: protocol for a randomized controlled trial. <i>Trials</i> , 2021, 22, 457.	1.6	13
20	Primary Care of Adult Patients After Stroke: A Scientific Statement From the American Heart Association/American Stroke Association. <i>Stroke</i> , 2021, 52, e558-e571.	2.0	33
21	Optimizing Recruitment Strategies and Physician Engagement for Stroke Recovery Research. <i>Journal of Neurologic Physical Therapy</i> , 2021, 45, 41-45.	1.4	6
22	Effects of statins on cerebral blood velocity in older adults at risk for Alzheimer's disease: Data from a phase II multisite clinical trial. <i>Alzheimer's and Dementia</i> , 2021, 17, e050679.	0.8	0
23	Aerobic Exercise Recommendations to Optimize Best Practices in Care After Stroke: AEROBICS 2019 Update. <i>Physical Therapy</i> , 2020, 100, 149-156.	2.4	94
24	A Novel Nonlinear System Identification for Cerebral Autoregulation in Human: Computer Simulation and Validation. <i>Annals of Biomedical Engineering</i> , 2020, 48, 1207-1217.	2.5	1
25	TCD Cerebral Hemodynamic Changes during Moderate-intensity Exercise in Older Adults. <i>Journal of Neuroimaging</i> , 2020, 30, 76-81.	2.0	20
26	Cardiovascular Disease Risk Is Associated With Middle Cerebral Artery Blood Flow Velocity in Older Adults. <i>Cardiopulmonary Physical Therapy Journal</i> , 2020, 31, 38-46.	0.3	16
27	Treatment of hypertension reduces cognitive decline in older adults: a systematic review and meta-analysis. <i>BMJ Open</i> , 2020, 10, e038971.	1.9	27
28	Author Response to Scorza et al. <i>Physical Therapy</i> , 2020, 100, 1230-1230.	2.4	0
29	Divergence in aerobic capacity impacts bile acid metabolism in young women. <i>Journal of Applied Physiology</i> , 2020, 129, 768-778.	2.5	7
30	Higher atherosclerotic cardiovascular disease risk score and pulse pressure are associated with increased cerebrovascular pulsatility in Apolipoprotein E4 carriers. <i>Alzheimer's and Dementia</i> , 2020, 16, e038444.	0.8	0
31	Beta-amyloid deposition and Apolipoprotein E4 carrier status predict cerebral blood flow velocity response to exercise. <i>Alzheimer's and Dementia</i> , 2020, 16, e041121.	0.8	0
32	Self-Reported Omega-3 Supplement Use Moderates the Association between Age and Exercising Cerebral Blood Flow Velocity in Older Adults. <i>Nutrients</i> , 2020, 12, 697.	4.1	4
33	Locomotor training intensity after stroke: Effects of interval type and mode. <i>Topics in Stroke Rehabilitation</i> , 2020, 27, 483-493.	1.9	16
34	Effects of high intensity interval exercise on cerebrovascular function: A systematic review. <i>PLoS ONE</i> , 2020, 15, e0241248.	2.5	17
35	Feasibility of an intervention for men on androgen deprivation therapy: A research protocol. <i>Research in Nursing and Health</i> , 2019, 42, 324-333.	1.6	8
36	Vascular Health is Associated with Amyloid- $\beta^2$ in Cognitively Normal Older Adults. <i>Journal of Alzheimer's Disease</i> , 2019, 70, 467-475.	2.6	12

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37	Exercise intensity and middle cerebral artery dynamics in humans. <i>Respiratory Physiology and Neurobiology</i> , 2019, 262, 32-39.	1.6	30
38	Cardiovascular health and dementia incidence among older adults in <scp>Latin America</scp>: Results from the 10/66 study. <i>International Journal of Geriatric Psychiatry</i> , 2019, 34, 1041-1049.	2.7	14
39	Improving life after stroke needs global efforts to implement evidence-based physical activity pathways. <i>International Journal of Stroke</i> , 2019, 14, 457-459.	5.9	13
40	Middle cerebral artery velocity dynamic response profile during exercise is attenuated following multiple ischemic strokes: a case report. <i>Physiological Reports</i> , 2019, 7, e14268.	1.7	10
41	The Effect of Stroke on Middle Cerebral Artery Blood Flow Velocity Dynamics During Exercise. <i>Journal of Neurologic Physical Therapy</i> , 2019, 43, 212-219.	1.4	18
42	Blunted cerebrovascular response is associated with elevated beta-amyloid. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 89-96.	4.3	23
43	Routine Assessment and Promotion of Physical Activity in Healthcare Settings: A Scientific Statement From the American Heart Association. <i>Circulation</i> , 2018, 137, e495-e522.	1.6	237
44	Time Course of Flow-Mediated Dilation and Vascular Endothelial Growth Factor following Acute Stroke. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2018, 27, 957-962.	1.6	7
45	Individuals with mild MS with poor sleep quality have impaired visuospatial memory and lower perceived functional abilities. <i>Disability and Health Journal</i> , 2018, 11, 116-121.	2.8	15
46	P3â€³97: THE RELATIONSHIP BETWEEN BETAâ€³AMYLOID AND VASCULAR HEALTH IN OLDER ADULTS. <i>Alzheimer's and Dementia</i> , 2018, 14, P1252.	0.8	0
47	Effect of healthy aging and sex on middle cerebral artery blood velocity dynamics during moderate-intensity exercise. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H492-H501.	3.2	54
48	Aerobic exercise improves measures of vascular health in diabetic peripheral neuropathy. <i>International Journal of Neuroscience</i> , 2017, 127, 80-85.	1.6	22
49	The relationship of pro-inflammatory markers to vascular endothelial function after acute stroke. <i>International Journal of Neuroscience</i> , 2017, 127, 486-492.	1.6	18
50	Estimated Prestroke Peak VO<sub>2</sub> Is Related to Circulating IGF-1 Levels During Acute Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2017, 31, 65-71.	2.9	8
51	Aerobic Exercise Prescription in Stroke Rehabilitation: A Web-Based Survey of US Physical Therapists. <i>Journal of Neurologic Physical Therapy</i> , 2017, 41, 119-128.	1.4	66
52	Dynamics of middle cerebral artery blood flow velocity during moderate-intensity exercise. <i>Journal of Applied Physiology</i> , 2017, 122, 1125-1133.	2.5	57
53	Exercise Test Performance Reveals Evidence of the Cardiorespiratory Fitness Hypothesis. <i>Journal of Aging and Physical Activity</i> , 2017, 25, 240-246.	1.0	14
54	Preliminary Evidence for the Impact of Combat Experiences on Gray Matter Volume of the Posterior Insula. <i>Frontiers in Psychology</i> , 2017, 8, 2151.	2.1	6

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55	Recumbent Stepper Submaximal Test response is reliable in adults with and without stroke. PLoS ONE, 2017, 12, e0172294.	2.5	13
56	Aerobic exercise for Alzheimer's disease: A randomized controlled pilot trial. PLoS ONE, 2017, 12, e0170547.	2.5	203
57	Pilot Study of Endurance Runners and Brain Responses Associated with Delay Discounting. International Journal of Exercise Science, 2017, 10, 690-701.	0.5	5
58	Use of a Nonexercise Estimate for Prestroke Peak Vo 2 During the Acute Stroke Hospital Stay. Cardiopulmonary Physical Therapy Journal, 2016, 27, 96-103.	0.3	5
59	Pilot Investigation of PTSD, Autonomic Reactivity, and Cardiovascular Health in Physically Healthy Combat Veterans. PLoS ONE, 2016, 11, e0162547.	2.5	10
60	Combat PTSD and Implicit Behavioral Tendencies for Positive Affective Stimuli: A Brief Report. Frontiers in Psychology, 2016, 7, 758.	2.1	20
61	Randomized controlled trial of exercise interventions to improve sleep quality and daytime sleepiness in individuals with multiple sclerosis: A pilot study. Multiple Sclerosis Journal - Experimental, Translational and Clinical, 2016, 2, 205521731668063.	1.0	12
62	P2â€145: Reduced Cerebrovascular Reserve Capacity During Moderate Intensity Exercise in People with Elevated Bâ€Amyloid. Alzheimer's and Dementia, 2016, 12, P669.	0.8	0
63	Cerebral Î²-Amyloid Angiopathy Is Associated with Earlier Dementia Onset in Alzheimer's Disease. Neurodegenerative Diseases, 2016, 16, 218-224.	1.4	23
64	Ambulatory Status Protects against Venous Thromboembolism in Acute Mild Ischemic Stroke Patients. Journal of Stroke and Cerebrovascular Diseases, 2016, 25, 2496-2501.	1.6	4
65	Decrease in Insulin-Like Growth Factor-1 and Insulin-Like Growth Factor-1 Ratio in the First Week of Stroke Is Related to Positive Outcomes. Journal of Stroke and Cerebrovascular Diseases, 2016, 25, 1800-1806.	1.6	18
66	Abstract TMP35: Higher Predicted Aerobic Fitness is Related to Above Median Insulin-like Growth Factor 1 in Individuals With Acute Stroke. Stroke, 2016, 47, .	2.0	0
67	Use of a Nonexercise Estimate for Prestroke Peak Vo During the Acute Stroke Hospital Stay. Cardiopulmonary Physical Therapy Journal, 2016, 27, 96-103.	0.3	4
68	Decreased Tidal Volume May Limit Cardiopulmonary Performance During Exercise in Subacute Stroke. Journal of Cardiopulmonary Rehabilitation and Prevention, 2015, 35, 334-341.	2.1	7
69	Dose-Response of Aerobic Exercise on Cognition: A Community-Based, Pilot Randomized Controlled Trial. PLoS ONE, 2015, 10, e0131647.	2.5	144
70	A Combined Measure of Vascular Risk for White Matter Lesions. Journal of Alzheimer's Disease, 2015, 45, 187-193.	2.6	5
71	Does Aerobic Exercise and the FITT Principle Fit into Stroke Recovery?. Current Neurology and Neuroscience Reports, 2015, 15, 519.	4.2	87
72	Safety of Aerobic Exercise in People With Diabetic Peripheral Neuropathy: Single-Group Clinical Trial. Physical Therapy, 2015, 95, 223-234.	2.4	56

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73	Modeling Percentile Rank of Cardiorespiratory Fitness Across the Lifespan. <i>Cardiopulmonary Physical Therapy Journal</i> , 2015, 26, 108-113.	0.3	6
74	Evaluating Variables as Unbiased Proxies for Other Measures: Assessing the Step Test Exercise Prescription as a Proxy for the Maximal, High-Intensity Peak Oxygen Consumption in Older Adults. <i>International Journal of Statistics and Probability</i> , 2014, 3, 25-34.	0.3	1
75	Cross-Validation of the Recumbent Stepper Submaximal Exercise Test to Predict Peak Oxygen Uptake in Older Adults. <i>Physical Therapy</i> , 2014, 94, 722-729.	2.4	19
76	O5-06-04: AEROBIC EXERCISE REDUCES HIPPOCAMPAL ATROPHY IN INDIVIDUALS WITH EARLY ALZHEIMER'S DISEASE. , 2014, 10, P303-P303.		1
77	Cardiopulmonary Exercise Testing Is Well Tolerated in People With Alzheimer-Related Cognitive Impairment. <i>Archives of Physical Medicine and Rehabilitation</i> , 2014, 95, 1714-1718.	0.9	7
78	Physical Activity and Exercise Recommendations for Stroke Survivors. <i>Stroke</i> , 2014, 45, 2532-2553.	2.0	1,009
79	Decreased Tidal Volume May Limit Cardiopulmonary Performance During Peak Exercise in Subacute Stroke. <i>Archives of Physical Medicine and Rehabilitation</i> , 2014, 95, e20.	0.9	0
80	Abstract T P106: Sedentary Time During the Acute Hospital Stay is Associated With Functional Performance. <i>Stroke</i> , 2014, 45, .	2.0	0
81	The role of patient demographics and clinical presentation in predicting discharge placement after inpatient stroke rehabilitation: analysis of a large, US data base. <i>Disability and Rehabilitation</i> , 2013, 35, 990-994.	1.8	21
82	Validity of the Step Test for Exercise Prescription: No Extension to a Larger Age Range. <i>Journal of Aging and Physical Activity</i> , 2013, 21, 444-454.	1.0	3
83	Submaximal and Peak Cardiorespiratory Response After Moderate-High Intensity Exercise Training in Subacute Stroke. <i>Cardiopulmonary Physical Therapy Journal</i> , 2013, 24, 14-20.	0.3	29
84	Submaximal and peak cardiorespiratory response after moderate-high intensity exercise training in subacute stroke. <i>Cardiopulmonary Physical Therapy Journal</i> , 2013, 24, 14-20.	0.3	9
85	Recumbent Stepper Submaximal Exercise Test to Predict Peak Oxygen Uptake. <i>Medicine and Science in Sports and Exercise</i> , 2012, 44, 1539-1544.	0.4	34
86	Aerobic Exercise in Subacute Stroke Improves Cardiovascular Health and Physical Performance. <i>Journal of Neurologic Physical Therapy</i> , 2012, 36, 159-165.	1.4	98
87	Reduced Cardiorespiratory Fitness after Stroke: Biological Consequences and Exercise-Induced Adaptations. <i>Stroke Research and Treatment</i> , 2012, 2012, 1-11.	0.8	105
88	Cardiopulmonary Response to Exercise Testing in People with Chronic Stroke: A Retrospective Study. <i>Stroke Research and Treatment</i> , 2012, 2012, 1-8.	0.8	28
89	A community-based approach to trials of aerobic exercise in aging and Alzheimer's disease. <i>Contemporary Clinical Trials</i> , 2012, 33, 1105-1116.	1.8	42
90	Cardiorespiratory fitness is associated with atrophy in Alzheimer's and aging over 2 years. <i>Neurobiology of Aging</i> , 2012, 33, 1624-1632.	3.1	89

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91	Measures of Cardiovascular Health and Physical Function after an Aerobic Exercise Intervention in a Patient Fifteen Days Post-Stroke. , 2012, 5, 72-78.		0
92	Cardiorespiratory Response to Exercise Testing in Individuals With Alzheimer's Disease. Archives of Physical Medicine and Rehabilitation, 2011, 92, 2000-2005.	0.9	26
93	Exercise and Executive Function in Individuals With Chronic Stroke. Journal of Neurologic Physical Therapy, 2011, 35, 11-17.	1.4	82
94	Does the Friel Anaerobic Threshold Test Accurately Detect Heart Rate Deflection in Trained Cyclists?. International Journal of Exercise Science, 2011, 4, 164-175.	0.5	0
95	Cardiovascular Regulation after Stroke: Evidence of Impairment, Trainability, and Implications for Rehabilitation. Cardiopulmonary Physical Therapy Journal, 2010, 21, 22-24.	0.3	11
96	The importance of exercise training for cardiorespiratory fitness post-stroke. International Journal of Therapy and Rehabilitation, 2010, 17, 516-517.	0.3	0
97	Comprehensive Overview of Nursing and Interdisciplinary Rehabilitation Care of the Stroke Patient. Stroke, 2010, 41, 2402-2448.	2.0	621
98	Exertion Fatigue and Chronic Fatigue Are Two Distinct Constructs in People Post-Stroke. Stroke, 2010, 41, 2908-2912.	2.0	63
99	Single Limb Exercise: Pilot Study of Physiological and Functional Responses to Forced Use of the Hemiparetic Lower Extremity. Topics in Stroke Rehabilitation, 2010, 17, 128-139.	1.9	33
100	Cardiovascular regulation after stroke: evidence of impairment, trainability, and implications for rehabilitation. Cardiopulmonary Physical Therapy Journal, 2010, 21, 22-4.	0.3	4
101	Use of Doppler Ultrasound to Assess Femoral Artery Adaptations in the Hemiparetic Limb in People with Stroke. Cerebrovascular Diseases, 2009, 27, 552-558.	1.7	27
102	Single Limb Exercise Induces Femoral Artery Remodeling and Improves Blood Flow in the Hemiparetic Leg Poststroke. Stroke, 2009, 40, 3086-3090.	2.0	40
103	Modified Total-Body Recumbent Stepper Exercise Test for Assessing Peak Oxygen Consumption in People With Chronic Stroke. Physical Therapy, 2008, 88, 1188-1195.	2.4	79
104	Validity of a Total Body Recumbent Stepper Exercise Test to Assess Cardiorespiratory Fitness. Journal of Strength and Conditioning Research, 2008, 22, 1556-1562.	2.1	36