Sandra A Billinger

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3170480/publications.pdf

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104	4,190	236925	128289
papers	citations	25 h-index	60 g-index

115	115	115	4687
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Physical Activity and Exercise Recommendations for Stroke Survivors. Stroke, 2014, 45, 2532-2553.	2.0	1,009
2	Comprehensive Overview of Nursing and Interdisciplinary Rehabilitation Care of the Stroke Patient. Stroke, 2010, 41, 2402-2448.	2.0	621
3	Routine Assessment and Promotion of Physical Activity in Healthcare Settings: A Scientific Statement From the American Heart Association. Circulation, 2018, 137, e495-e522.	1.6	237
4	Aerobic exercise for Alzheimer's disease: A randomized controlled pilot trial. PLoS ONE, 2017, 12, e0170547.	2.5	203
5	Dose-Response of Aerobic Exercise on Cognition: A Community-Based, Pilot Randomized Controlled Trial. PLoS ONE, 2015, 10, e0131647.	2.5	144
6	Reduced Cardiorespiratory Fitness after Stroke: Biological Consequences and Exercise-Induced Adaptations. Stroke Research and Treatment, 2012, 2012, 1-11.	0.8	105
7	Aerobic Exercise in Subacute Stroke Improves Cardiovascular Health and Physical Performance. Journal of Neurologic Physical Therapy, 2012, 36, 159-165.	1.4	98
8	Aerobic Exercise Recommendations to Optimize Best Practices in Care After Stroke: AEROBICS 2019 Update. Physical Therapy, 2020, 100, 149-156.	2.4	94
9	Cardiorespiratory fitness is associated with atrophy in Alzheimer's and aging over 2 years. Neurobiology of Aging, 2012, 33, 1624-1632.	3.1	89
10	Does Aerobic Exercise and the FITT Principle Fit into Stroke Recovery?. Current Neurology and Neuroscience Reports, 2015, 15, 519.	4.2	87
11	Exercise and Executive Function in Individuals With Chronic Stroke. Journal of Neurologic Physical Therapy, 2011, 35, 11-17.	1.4	82
12	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
13	Aerobic Exercise Prescription in Stroke Rehabilitation: A Web-Based Survey of US Physical Therapists. Journal of Neurologic Physical Therapy, 2017, 41, 119-128.	1.4	66
14	Exertion Fatigue and Chronic Fatigue Are Two Distinct Constructs in People Post-Stroke. Stroke, 2010, 41, 2908-2912.	2.0	63
15	Dynamics of middle cerebral artery blood flow velocity during moderate-intensity exercise. Journal of Applied Physiology, 2017, 122, 1125-1133.	2.5	57
16	Safety of Aerobic Exercise in People With Diabetic Peripheral Neuropathy: Single-Group Clinical Trial. Physical Therapy, 2015, 95, 223-234.	2.4	56
17	Effect of healthy aging and sex on middle cerebral artery blood velocity dynamics during moderate-intensity exercise. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H492-H501.	3.2	54
18	Effects of age and sex on middle cerebral artery blood velocity and flow pulsatility index across the adult lifespan. Journal of Applied Physiology, 2021, 130, 1675-1683.	2.5	44

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19	A community-based approach to trials of aerobic exercise in aging and Alzheimer's disease. Contemporary Clinical Trials, 2012, 33, 1105-1116.	1.8	42
20	Single Limb Exercise Induces Femoral Artery Remodeling and Improves Blood Flow in the Hemiparetic Leg Poststroke. Stroke, 2009, 40, 3086-3090.	2.0	40
21	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
22	Recumbent Stepper Submaximal Exercise Test to Predict Peak Oxygen Uptake. Medicine and Science in Sports and Exercise, 2012, 44, 1539-1544.	0.4	34
23	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
24	Primary Care of Adult Patients After Stroke: A Scientific Statement From the American Heart Association/American Stroke Association. Stroke, 2021, 52, e558-e571.	2.0	33
25	Exercise intensity and middle cerebral artery dynamics in humans. Respiratory Physiology and Neurobiology, 2019, 262, 32-39.	1.6	30
26	Submaximal and Peak Cardiorespiratory Response After Moderate-High Intensity Exercise Training in Subacute Stroke. Cardiopulmonary Physical Therapy Journal, 2013, 24, 14-20.	0.3	29
27	Cardiopulmonary Response to Exercise Testing in People with Chronic Stroke: A Retrospective Study. Stroke Research and Treatment, 2012, 2012, 1-8.	0.8	28
28	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
29	Treatment of hypertension reduces cognitive decline in older adults: a systematic review and meta-analysis. BMJ Open, 2020, 10, e038971.	1.9	27
30	Cardiorespiratory Response to Exercise Testing in Individuals With Alzheimer's Disease. Archives of Physical Medicine and Rehabilitation, 2011, 92, 2000-2005.	0.9	26
31	Aerobic exercise improves hippocampal blood flow for hypertensive Apolipoprotein E4 carriers. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 2026-2037.	4.3	24
32	Cerebral Î²-Amyloid Angiopathy Is Associated with Earlier Dementia Onset in Alzheimer's Disease. Neurodegenerative Diseases, 2016, 16, 218-224.	1.4	23
33	Blunted cerebrovascular response is associated with elevated beta-amyloid. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 89-96.	4.3	23
34	Aerobic exercise improves measures of vascular health in diabetic peripheral neuropathy. International Journal of Neuroscience, 2017, 127, 80-85.	1.6	22
35	The role of patient demographics and clinical presentation in predicting discharge placement after inpatient stroke rehabilitation: analysis of a large, US data base. Disability and Rehabilitation, 2013, 35, 990-994.	1.8	21
36	Combat PTSD and Implicit Behavioral Tendencies for Positive Affective Stimuli: A Brief Report. Frontiers in Psychology, 2016, 7, 758.	2.1	20

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37	TCD Cerebral Hemodynamic Changes during Moderateâ€Intensity Exercise in Older Adults. Journal of Neuroimaging, 2020, 30, 76-81.	2.0	20
38	Cross-Validation of the Recumbent Stepper Submaximal Exercise Test to Predict Peak Oxygen Uptake in Older Adults. Physical Therapy, 2014, 94, 722-729.	2.4	19
39	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
40	The relationship of pro-inflammatory markers to vascular endothelial function after acute stroke. International Journal of Neuroscience, 2017, 127, 486-492.	1.6	18
41	The Effect of Stroke on Middle Cerebral Artery Blood Flow Velocity Dynamics During Exercise. Journal of Neurologic Physical Therapy, 2019, 43, 212-219.	1.4	18
42	Effects of high intensity interval exercise on cerebrovascular function: A systematic review. PLoS ONE, 2020, 15, e0241248.	2.5	17
43	Cardiovascular Disease Risk Is Associated With Middle Cerebral Artery Blood Flow Velocity in Older Adults. Cardiopulmonary Physical Therapy Journal, 2020, 31, 38-46.	0.3	16
44	Locomotor training intensity after stroke: Effects of interval type and mode. Topics in Stroke Rehabilitation, 2020, 27, 483-493.	1.9	16
45	How to Address Physical Activity Participation After Stroke in Research and Clinical Practice. Stroke, 2021, 52, e274-e277.	2.0	16
46	Individuals with mild MS with poor sleep quality have impaired visuospatial memory and lower perceived functional abilities. Disability and Health Journal, 2018, 11, 116-121.	2.8	15
47	Exercise Test Performance Reveals Evidence of the Cardiorespiratory Fitness Hypothesis. Journal of Aging and Physical Activity, 2017, 25, 240-246.	1.0	14
48	Cardiovascular health and dementia incidence among older adults in <scp>Latin America</scp>: Results from the 10/66 study. International Journal of Geriatric Psychiatry, 2019, 34, 1041-1049.	2.7	14
49	Recumbent Stepper Submaximal Test response is reliable in adults with and without stroke. PLoS ONE, 2017, 12, e0172294.	2.5	13
50	Improving life after stroke needs global efforts to implement evidence-based physical activity pathways. International Journal of Stroke, 2019, 14, 457-459.	5.9	13
51	Moderate-intensity exercise versus high-intensity interval training to recover walking post-stroke: protocol for a randomized controlled trial. Trials, 2021, 22, 457.	1.6	13
52	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
53	Vascular Health is Associated with Amyloid-Î² in Cognitively Normal Older Adults. Journal of Alzheimer's Disease, 2019, 70, 467-475.	2.6	12
54	Cerebrovascular response to an acute bout of low-volume high-intensity interval exercise and recovery in young healthy adults. Journal of Applied Physiology, 2022, 132, 236-246.	2.5	12

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55	Cardiovascular Regulation after Stroke: Evidence of Impairment, Trainability, and Implications for Rehabilitation. Cardiopulmonary Physical Therapy Journal, 2010, 21, 22-24.	0.3	11
56	Pilot Study to Characterize Middle Cerebral Artery Dynamic Response to an Acute Bout of Moderate Intensity Exercise at 3â€•and 6â€‰Months Poststroke. Journal of the American Heart Association, 2021, 10, e017821.	3.7	11
57	Preliminary Outcomes of Combined Treadmill and Overground High-Intensity Interval Training in Ambulatory Chronic Stroke. Frontiers in Neurology, 2022, 13, 812875.	2.4	11
58	Pilot Investigation of PTSD, Autonomic Reactivity, and Cardiovascular Health in Physically Healthy Combat Veterans. PLoS ONE, 2016, 11, e0162547.	2.5	10
59	Middle cerebral artery velocity dynamic response profile during exercise is attenuated following multiple ischemic strokes: a case report. Physiological Reports, 2019, 7, e14268.	1.7	10
60	Submaximal and peak cardiorespiratory response after moderate-high intensity exercise training in subacute stroke. Cardiopulmonary Physical Therapy Journal, 2013, 24, 14-20.	0.3	9
61	Estimated Prestroke Peak VO₂ Is Related to Circulating IGF-1 Levels During Acute Stroke. Neurorehabilitation and Neural Repair, 2017, 31, 65-71.	2.9	8
62	Feasibility of an intervention for men on androgen deprivation therapy: A research protocol. Research in Nursing and Health, 2019, 42, 324-333.	1.6	8
63	A methodology for an acute exercise clinical trial called dementia risk and dynamic response to exercise. Scientific Reports, 2021, 11, 12776.	3.3	8
64	Sex-specific effects of cardiorespiratory fitness on age-related differences in cerebral hemodynamics. Journal of Applied Physiology, 2022, 132, 1310-1317.	2.5	8
65	Cardiopulmonary Exercise Testing Is Well Tolerated in People With Alzheimer-Related Cognitive Impairment. Archives of Physical Medicine and Rehabilitation, 2014, 95, 1714-1718.	0.9	7
66	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
67	Time Course of Flow-Mediated Dilation and Vascular Endothelial Growth Factor following Acute Stroke. Journal of Stroke and Cerebrovascular Diseases, 2018, 27, 957-962.	1.6	7
68	Divergence in aerobic capacity impacts bile acid metabolism in young women. Journal of Applied Physiology, 2020, 129, 768-778.	2.5	7
69	Preliminary Evidence for the Impact of Combat Experiences on Gray Matter Volume of the Posterior Insula. Frontiers in Psychology, 2017, 8, 2151.	2.1	6
70	Optimizing Recruitment Strategies and Physician Engagement for Stroke Recovery Research. Journal of Neurologic Physical Therapy, 2021, 45, 41-45.	1.4	6
71	Modeling Percentile Rank of Cardiorespiratory Fitness Across the Lifespan. Cardiopulmonary Physical Therapy Journal, 2015, 26, 108-113.	0.3	6
72	Cerebrovascular response to exercise interacts with individual genotype and amyloid-beta deposition to influence response inhibition with aging. Neurobiology of Aging, 2022, 114, 15-26.	3.1	6

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73	Dementia risk and dynamic response to exercise: A non-randomized clinical trial. PLoS ONE, 2022, 17, e0265860.	2.5	6
74	A Combined Measure of Vascular Risk for White Matter Lesions. Journal of Alzheimer's Disease, 2015, 45, 187-193.	2.6	5
75	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
76	Pilot Study of Endurance Runners and Brain Responses Associated with Delay Discounting. International Journal of Exercise Science, 2017, 10, 690-701.	0.5	5
77	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
78	Self-Reported Omega-3 Supplement Use Moderates the Association between Age and Exercising Cerebral Blood Flow Velocity in Older Adults. Nutrients, 2020, 12, 697.	4.1	4
79	Chronic hyperglycemia before acute ischemic stroke impairs the bilateral cerebrovascular response to exercise during the subacute recovery period. Brain and Behavior, 2021, 11, e01990.	2.2	4
80	Cerebrovascular Response during Acute Exercise in Kidney Transplant Recipients. Clinical Journal of the American Society of Nephrology: CJASN, 2022, 17, 111-113.	4.5	4
81	Cardiovascular regulation after stroke: evidence of impairment, trainability, and implications for rehabilitation. Cardiopulmonary Physical Therapy Journal, 2010, 21, 22-4.	0.3	4
82	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
83	Validity of the Step Test for Exercise Prescription: No Extension to a Larger Age Range. Journal of Aging and Physical Activity, 2013, 21, 444-454.	1.0	3
84	Apolipoprotein E4 Moderates the Association Between Vascular Risk Factors and Brain Pathology. Alzheimer Disease and Associated Disorders, 2021, 35, 223-229.	1.3	3
85	Novel application of a force sensor during sitâ€toâ€stands to measure dynamic cerebral autoregulation onset. Physiological Reports, 2022, 10, e15244.	1.7	3
86	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. International Journal of Statistics and Probability, 2014, 3, 25-34.	0.3	1
87	O5-06-04: AEROBIC EXERCISE REDUCES HIPPOCAMPAL ATROPHY IN INDIVIDUALS WITH EARLY ALZHEIMER'S DISEASE. , 2014, 10, P303-P303.		1
88	A Novel Nonlinear System Identification for Cerebral Autoregulation in Human: Computer Simulation and Validation. Annals of Biomedical Engineering, 2020, 48, 1207-1217.	2.5	1
89	Secondary Analysis of Walking Activities During the Acute Stroke Hospital Stay and Cerebrovascular Health. Cardiopulmonary Physical Therapy Journal, 2022, Publish Ahead of Print, .	0.3	1
90	The importance of exercise training for cardiorespiratory fitness post-stroke. International Journal of Therapy and Rehabilitation, 2010, 17, 516-517.	0.3	0

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91	Decreased Tidal Volume May Limit Cardiopulmonary Performance During Peak Exercise in Subacute Stroke. Archives of Physical Medicine and Rehabilitation, 2014, 95, e20.	0.9	0
92	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
93	P3â€397: THE RELATIONSHIP BETWEEN BETAâ€AMYLOID AND VASCULAR HEALTH IN OLDER ADULTS. Alzheimer's and Dementia, 2018, 14, P1252.	0.8	0
94	Author Response to Scorza et al. Physical Therapy, 2020, 100, 1230-1230.	2.4	0
95	Higher atherosclerotic cardiovascular disease risk score and pulse pressure are associated with increased cerebrovascular pulsatility in Apolipoprotein E4 carriers. Alzheimer's and Dementia, 2020, 16, e038444.	0.8	0
96	Betaâ€amyloid deposition and Apolipoprotein E4 carrier status predict cerebral blood flow velocity response to exercise. Alzheimer's and Dementia, 2020, 16, e041121.	0.8	0
97	The Relationship Between Cardiorespiratory Fitness and Middle Cerebral Artery Velocity in Women. FASEB Journal, 2021, 35, .	0.5	0
98	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
99	Measures of Cardiovascular Health and Physical Function after an Aerobic Exercise Intervention in a Patient Fifteen Days Post-Stroke. , 2012, 5, 72-78.		0
100	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
101	Effects of statins on cerebral blood velocity in older adults at risk for Alzheimerâ€™s disease: Data from a phase II multisite clinical trial. Alzheimer's and Dementia, 2021, 17, e050679.	0.8	0
102	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. Journal of Clinical and Translational Science, 2022, 6, 82-82.	0.6	0
103	An Exploratory Study of Cognitive Function and Central Adiposity in Men Receiving Androgen Deprivation Therapy for Prostate Cancer. , 2022, 49, 142-150.		0
104	Abstract T P106: Sedentary Time During the Acute Hospital Stay is Associated With Functional Performance. Stroke, 2014, 45, .	2.0	0