Qu Tian

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8476718/publications.pdf

Version: 2024-02-01

74	1,057	394421	477307
papers	citations	19 h-index	29 g-index

74	74	74	1697
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mild Parkinsonian Signs, Energy Decline, and Striatal Volume in Community-Dwelling Older Adults. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2022, 77, 800-806.	3.6	2
2	Energetic Cost of Walking and Brain Atrophy in Mid-to-Late Life. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2022, 77, 2068-2076.	3.6	5
3	Muscle mitochondrial energetics predicts mobility decline in wellâ€functioning older adults: The baltimore longitudinal study of aging. Aging Cell, 2022, 21, e13552.	6.7	32
4	Motor and Physical Function Impairments as Contributors to Slow Gait Speed and Mobility Difficulty in Middle-Aged and Older Adults. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2022, 77, 1620-1628.	3.6	11
5	Hearing and Mobility in Agingâ€"The Moderating Role of Neuropsychological Function. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2022, 77, 2141-2146.	3.6	3
6	Olfaction, Cognitive Impairment, and PET Biomarkers in Community-Dwelling Older Adults. Journal of Alzheimer's Disease, 2022, 86, 1275-1285.	2.6	17
7	Longitudinal associations between blood lysophosphatidylcholines and skeletal muscle mitochondrial function. GeroScience, 2022, 44, 2213-2221.	4.6	8
8	Longitudinal associations of absolute versus relative moderate-to-vigorous physical activity with brain microstructural decline in aging. Neurobiology of Aging, 2022, 116, 25-31.	3.1	5
9	Metabolites Associated with Memory and Gait: A Systematic Review. Metabolites, 2022, 12, 356.	2.9	5
10	Longitudinal associations between energy utilization and brain volumes in cognitively normal middle aged and older adults. Scientific Reports, 2022, 12, 6472.	3.3	1
11	Prior psychosocial profile and perceived impact of the COVID-19 pandemic: insights from the Baltimore Longitudinal Study of Aging. Aging Clinical and Experimental Research, 2022, 34, 1463-1469.	2.9	1
12	Metabolomic Profile of Different Dietary Patterns and Their Association with Frailty Index in Community-Dwelling Older Men and Women. Nutrients, 2022, 14, 2237.	4.1	3
13	Association Between Brain Volumes and Patterns of Physical Activity in Community-Dwelling Older Adults. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, 76, 1504-1511.	3.6	14
14	Longitudinal Associations Between Brain Volume and Knee Extension Peak Torque. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, 76, 286-290.	3.6	9
15	Cognitive and neuroimaging profiles of older adults with dual decline in memory and gait speed. Neurobiology of Aging, 2021, 97, 49-55.	3.1	25
16	Functional correlates of self-reported energy levels in the Health, Aging and Body Composition Study. Aging Clinical and Experimental Research, 2021, 33, 2787-2795.	2.9	7
17	Declining energy predicts incident mobility disability and mortality risk in healthy older adults. Journal of the American Geriatrics Society, 2021, 69, 3134-3141.	2.6	9
18	Metabolomic profiles of being physically active and less sedentary: a critical review. Metabolomics, 2021, 17, 68.	3.0	3

#	Article	IF	Citations
19	Plasma metabolites associated with chronic kidney disease and renal function in adults from the Baltimore Longitudinal Study of Aging. Metabolomics, 2021, 17, 9.	3.0	25
20	Association of walking energetics with amyloid beta status: Findings from the Baltimore Longitudinal Study of Aging. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2021, 13, e12228.	2.4	7
21	Mitochondrial DNA copy number and heteroplasmy load correlate with skeletal muscle oxidative capacity by P31 MR spectroscopy. Aging Cell, 2021, 20, e13487.	6.7	8
22	Association of Combined Slow Gait and Low Activity Fragmentation With Later Onset of Cognitive Impairment. JAMA Network Open, 2021, 4, e2135168.	5.9	7
23	Metabolomic signatures of dual decline in memory and gait: An aging phenotype of high risk of dementia. Alzheimer's and Dementia, 2021, 17, .	0.8	1
24	Association of Walking Energetics With Amyloid Status: Findings From the Baltimore Longitudinal Study of Aging. Innovation in Aging, 2021, 5, 369-369.	0.1	0
25	Cognition Moderates the Relationship Between Hearing and Mobility in Cognitively Normal Older Adults. Innovation in Aging, 2021, 5, 161-161.	0.1	0
26	Relative Vigorous-Intensity Physical Activity Predicts Brain Microstructural Changes in Older Adults. Innovation in Aging, 2021, 5, 443-443.	0.1	0
27	Regional Gray Matter Volume Links Rest-Activity Rhythm Fragmentation With Past Cognitive Decline. American Journal of Geriatric Psychiatry, 2020, 28, 248-251.	1.2	6
28	The relationship of parental longevity with the aging brainâ€"results from UK Biobank. GeroScience, 2020, 42, 1377-1385.	4.6	6
29	Shared mechanisms for cognitive impairment and physical frailty: A model for complex systems. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2020, 6, e12027.	3.7	28
30	Microstructural Neuroimaging of Frailty in Cognitively Normal Older Adults. Frontiers in Medicine, 2020, 7, 546344.	2.6	14
31	Perception of Energy and Objective Measures of Physical Activity in Older Adults. Journal of the American Geriatrics Society, 2020, 68, 1876-1878.	2.6	8
32	Dual decline in gait speed and cognition is associated with future dementia: evidence for a phenotype. Age and Ageing, 2020, 49, 995-1002.	1.6	32
33	Association of Dual Decline in Memory and Gait Speed With Risk for Dementia Among Adults Older Than 60 Years. JAMA Network Open, 2020, 3, e1921636.	5.9	43
34	Motoric cognitive risk syndrome: Integration of two early harbingers of dementia in older adults. Ageing Research Reviews, 2020, 58, 101022.	10.9	48
35	Dismobility in Aging and the Role of Cognition and Health Consequences of Reduced Mobility. , 2020, , 21-33.		1
36	Prevalence of Multiple Sensory Deficits in Older Adults in BLSA and ARIC Studies. Innovation in Aging, 2020, 4, 804-805.	0.1	0

#	Article	IF	Citations
37	Cognitive and Neuroimaging Profiles of Individuals With Dual Decline in Memory and Gait. Innovation in Aging, 2020, 4, 766-767.	0.1	0
38	Self-Reported Energy Trajectories Predict Adverse Health Outcomes in Older Adults. Innovation in Aging, 2020, 4, 794-795.	0.1	0
39	The Association Between Self-Reported and Objectively Measured Energy Level in Older Adults. Innovation in Aging, 2020, 4, 179-179.	0.1	0
40	Dual Decline in Gait and Cognition Is Associated With Future Dementia: Evidence for a Phenotype. Innovation in Aging, 2020, 4, 264-264.	0.1	0
41	Parental Longevity Is Associated With Brain Volumes in Selected Areas. Innovation in Aging, 2020, 4, 526-526.	0.1	0
42	Functional Correlates of Self-Reported Energy in the Health, Aging, and Body Composition Study. Innovation in Aging, 2020, 4, 172-173.	0.1	0
43	Motor and Physical Function Impairments in Middle-Aged and Older Adults in the Baltimore Longitudinal Study of Aging. Innovation in Aging, 2020, 4, 232-232.	0.1	0
44	Multimodal Neuroimaging Predictors of Gait Decline. Innovation in Aging, 2020, 4, 767-767.	0.1	0
45	The Aging Brain: Crossroad of Normal Aging and Dementia. Innovation in Aging, 2020, 4, 766-766.	0.1	0
46	Changes in Self-reported Energy and Brain Volumes. Innovation in Aging, 2020, 4, 783-783.	0.1	0
47	Microstructural Neuroimaging of Frailty in Cognitively Normal Older Adults. Innovation in Aging, 2020, 4, 176-177.	0.1	1
48	Metabolomic Signatures of High Red Blood Cell Distribution Width. Innovation in Aging, 2020, 4, 905-905.	0.1	0
49	Rate of Muscle Contraction Is Associated With Cognition in Women, Not in Men. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2019, 74, 714-719.	3.6	6
50	Bimanual Gesture Imitation Links to Cognition and Olfaction. Journal of the American Geriatrics Society, 2019, 67, 2581-2586.	2.6	6
51	Lap Time Variability From a 400-m Walk Is Associated With Future Mild Cognitive Impairment and Alzheimer's Disease. Journal of the American Medical Directors Association, 2019, 20, 1535-1539.e3.	2.5	7
52	A prospective study of focal brain atrophy, mobility and fitness. Journal of Internal Medicine, 2019, 286, 88-100.	6.0	20
53	DUAL DECLINE IN MEMORY AND GAIT UNIQUELY IDENTIFIES OLDER PERSONS AT HIGH RISK OF DEMENTIA. Innovation in Aging, 2019, 3, S586-S586.	0.1	0
54	THE AGING BRAIN AND MOTOR LEARNING. Innovation in Aging, 2019, 3, S655-S655.	0.1	0

#	Article	IF	Citations
55	Î²-amyloid deposition is associated with gait variability in usual aging. Gait and Posture, 2018, 61, 346-352.	1.4	15
56	BRAIN MAP OF GAIT. Innovation in Aging, 2018, 2, 637-638.	0.1	1
57	Î²-Amyloid Burden Predicts Lower Extremity Performance Decline in Cognitively Unimpaired Older Adults. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2017, 72, glw183.	3.6	23
58	The relative temporal sequence of decline in mobility and cognition among initially unimpaired older adults: Results from the Baltimore Longitudinal Study of Aging. Age and Ageing, 2017, 46, 445-451.	1.6	55
59	Olfaction Is Related to Motor Function in Older Adults. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2017, 72, glw222.	3.6	18
60	The brain map of gait variability in aging, cognitive impairment and dementiaâ€"A systematic review. Neuroscience and Biobehavioral Reviews, 2017, 74, 149-162.	6.1	120
61	Long-term changes in time spent walking and subsequent cognitive and structural brain changes in older adults. Neurobiology of Aging, 2017, 57, 153-161.	3.1	38
62	Walking speed decline in older adults is associated with elevated pro-BDNF in plasma extracellular vesicles. Experimental Gerontology, 2017, 98, 209-216.	2.8	41
63	GAIT VARIABILITY AND LONGITUDINAL COGNITIVE CHANGE IN AGING. Innovation in Aging, 2017, 1, 1206-1207.	0.1	2
64	Midlife and Late-Life Cardiorespiratory Fitness and Brain Volume Changes in Late Adulthood: Results From the Baltimore Longitudinal Study of Aging. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2016, 71, 124-130.	3.6	23
65	Lower gray matter integrity is associated with greater lap time variation in high-functioning older adults. Experimental Gerontology, 2016, 77, 46-51.	2.8	4
66	The effect of age and microstructural white matter integrity on lap time variation and fast-paced walking speed. Brain Imaging and Behavior, 2016, 10, 697-706.	2.1	21
67	Intra-individual lap time variation of the 400-m walk, an early mobility indicator of executive function decline in high-functioning older adults?. Age, 2015, 37, 115.	3.0	7
68	Objective measures of physical activity, white matter integrity and cognitive status in adults over age 80. Behavioural Brain Research, 2015, 284, 51-57.	2.2	55
69	Lap time variation and executive function in older adults: the Baltimore Longitudinal Study of Aging. Age and Ageing, 2015, 44, 796-800.	1.6	13
70	Cardiorespiratory fitness and brain diffusion tensor imaging in adults over 80 years of age. Brain Research, 2014, 1588, 63-72.	2.2	32
71	Physical Activity Predicts Microstructural Integrity in Memory-Related Networks in Very Old Adults. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2014, 69, 1284-1290.	3.6	54
72	Attentional bias to emotional stimuli is altered during moderate- but not high-intensity exercise.. Emotion, 2011, 11, 1415-1424.	1.8	25

#	Article	IF	Citations
73	Human Cerebral Blood Flow Increases After Acute Exercise: Arterial Spin Labeling MRI. Medicine and Science in Sports and Exercise, 2010, 42, 46.	0.4	0
74	Detecting changes in human cerebral blood flow after acute exercise using arterial spin labeling: Implications for fMRI. Journal of Neuroscience Methods, 2010, 191, 258-262.	2.5	76