

Robert J Dawe

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,442
citations

471371

17
h-index

360920

35
g-index

44
all docs

44
docs citations

44
times ranked

2391
citing authors

#	ARTICLE	IF	CITATIONS
1	Inferring protein expression changes from mRNA in Alzheimer's dementia using deep neural networks. Nature Communications, 2022, 13, 655.	5.8	29
2	Automatic Quantification of Tandem Walking Using a Wearable Device: New Insights Into Dynamic Balance and Mobility in Older Adults. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, 76, 101-107.	1.7	2
3	Motor function is the primary driver of the associations of sarcopenia and physical frailty with adverse health outcomes in community-dwelling older adults. PLoS ONE, 2021, 16, e0245680.	1.1	13
4	Quantitative mobility measures complement the MDS-UPDRS for characterization of Parkinson's disease heterogeneity. Parkinsonism and Related Disorders, 2021, 84, 105-111.	1.1	13
5	To what degree is late life cognitive decline driven by age-related neuropathologies?. Brain, 2021, 144, 2166-2175.	3.7	91
6	The "cognitive clock": A novel indicator of brain health. Alzheimer's and Dementia, 2021, 17, 1923-1937.	0.4	6
7	Physical activity, brain tissue microstructure, and cognition in older adults. PLoS ONE, 2021, 16, e0253484.	1.1	5
8	Total Daily Physical Activity and the Risk of Parkinsonism in Community-Dwelling Older Adults. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2020, 75, 702-711.	1.7	13
9	What happens before the first step? A New Approach to Quantifying Gait Initiation Using a Wearable Sensor. Gait and Posture, 2020, 76, 128-135.	0.6	13
10	Contribution of TDP and hippocampal sclerosis to hippocampal volume loss in older-old persons. Neurology, 2020, 94, e142-e152.	1.5	35
11	Late-life cognitive decline is associated with hippocampal volume, above and beyond its associations with traditional neuropathologic indices. Alzheimer's and Dementia, 2020, 16, 209-218.	0.4	40
12	The Influence of Diffusion Weighted Imaging Lesions on Outcomes in Patients with Acute Spontaneous Intracerebral Hemorrhage. Neurocritical Care, 2020, 33, 552-564.	1.2	15
13	Total daily physical activity, brain pathologies, and parkinsonism in older adults. PLoS ONE, 2020, 15, e0232404.	1.1	8
14	1.5T magnetic resonance imaging generates accurate 3D proximal femoral models: Surgical planning implications for femoroacetabular impingement. Journal of Orthopaedic Research, 2020, 38, 2050-2056.	1.2	18
15	Total daily physical activity, brain pathologies, and parkinsonism in older adults. , 2020, 15, e0232404.		0
16	Total daily physical activity, brain pathologies, and parkinsonism in older adults. , 2020, 15, e0232404.		0
17	Total daily physical activity, brain pathologies, and parkinsonism in older adults. , 2020, 15, e0232404.		0
18	Total daily physical activity, brain pathologies, and parkinsonism in older adults. , 2020, 15, e0232404.		0

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19	Gene expression and DNA methylation are extensively coordinated with MRI-based brain microstructural characteristics. <i>Brain Imaging and Behavior</i> , 2019, 13, 963-972.	1.1	24
20	Microstructural changes in the brain mediate the association of AK4, IGFBP5, HSPB2, and ITPK1 with cognitive decline. <i>Neurobiology of Aging</i> , 2019, 84, 17-25.	1.5	11
21	Quantitative mobility metrics from a wearable sensor predict incident parkinsonism in older adults. <i>Parkinsonism and Related Disorders</i> , 2019, 65, 190-196.	1.1	21
22	Human Hippocampal Neurogenesis Persists in Aged Adults and Alzheimer's Disease Patients. <i>Cell Stem Cell</i> , 2019, 24, 974-982.e3.	5.2	389
23	Expanding instrumented gait testing in the community setting: A portable, depth-sensing camera captures joint motion in older adults. <i>PLoS ONE</i> , 2019, 14, e0215995.	1.1	13
24	Automated 3-Dimensional Magnetic Resonance Imaging Allows for Accurate Evaluation of Glenoid Bone Loss Compared With 3-Dimensional Computed Tomography. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2019, 35, 734-740.	1.3	36
25	Parametric subtracted postictal diffusion tensor imaging for guiding direct neurostimulation therapy. <i>Hippocampus</i> , 2019, 29, 468-478.	0.9	4
26	Physical activity, common brain pathologies, and cognition in community-dwelling older adults. <i>Neurology</i> , 2019, 92, e811-e822.	1.5	61
27	Association Between Quantitative Gait and Balance Measures and Total Daily Physical Activity in Community-Dwelling Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018, 73, 636-642.	1.7	33
28	Brain pathology is related to total daily physical activity in older adults. <i>Neurology</i> , 2018, 90, e1911-e1919.	1.5	25
29	P2474: MAGNETIC SUSCEPTIBILITY OF THE HUMAN BRAIN IS ASSOCIATED WITH AGE-RELATED NEUROPATHOLOGY. <i>Alzheimer's and Dementia</i> , 2018, 14, P904.	0.4	0
30	Postmortem brain MRI is related to cognitive decline, independent of cerebral vessel disease in older adults. <i>Neurobiology of Aging</i> , 2018, 69, 177-184.	1.5	12
31	Ex vivo MRI transverse relaxation in community based older persons with and without Alzheimer's dementia. <i>Behavioural Brain Research</i> , 2017, 322, 233-240.	1.2	12
32	Incomplete Circle of Willis: A risk factor for mesial temporal sclerosis?. <i>Epilepsy Research</i> , 2017, 132, 29-33.	0.8	3
33	Unusual Cause of Sphenoidal Sinus Mass: Extramedullary Plasmacytoma. <i>Canadian Journal of Neurological Sciences</i> , 2017, 44, 324-325.	0.3	2
34	Association Between Brain Gene Expression, DNA Methylation, and Alteration of Ex Vivo Magnetic Resonance Imaging Transverse Relaxation in Late-Life Cognitive Decline. <i>JAMA Neurology</i> , 2017, 74, 1473.	4.5	21
35	[P332]: MAGNETIC SUSCEPTIBILITY OF HUMAN BRAIN HEMISPHERES MEASURED POSTMORTEM. <i>Alzheimer's and Dementia</i> , 2017, 13, P1072.	0.4	0
36	Identification of genes associated with dissociation of cognitive performance and neuropathological burden: Multistep analysis of genetic, epigenetic, and transcriptional data. <i>PLoS Medicine</i> , 2017, 14, e1002287.	3.9	88

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37	Ex-vivo quantitative susceptibility mapping of human brain hemispheres. PLoS ONE, 2017, 12, e0188395.	1.1	13
38	Postmortem MRI: a novel window into the neurobiology of late life cognitive decline. Neurobiology of Aging, 2016, 45, 169-177.	1.5	24
39	Post-mortem brain pathology is related to declining respiratory function in community-dwelling older adults. Frontiers in Aging Neuroscience, 2015, 7, 197.	1.7	14
40	Neuropathologic correlates of regional brain volumes in a community cohort of older adults. Neurobiology of Aging, 2015, 36, 2798-2805.	1.5	38
41	Associations between Quantitative Mobility Measures Derived from Components of Conventional Mobility Testing and Parkinsonian Gait in Older Adults. PLoS ONE, 2014, 9, e86262.	1.1	36
42	Ex Vivo T2 relaxation: associations with age-related neuropathology and cognition. Neurobiology of Aging, 2014, 35, 1549-1561.	1.5	38
43	Neuropathologic Correlates of Hippocampal Atrophy in the Elderly: A Clinical, Pathologic, Postmortem MRI Study. PLoS ONE, 2011, 6, e26286.	1.1	89
44	Postmortem MRI of human brain hemispheres: T_2 relaxation times during formaldehyde fixation. Magnetic Resonance in Medicine, 2009, 61, 810-818.	1.9	134