

# Hiroyuki Umegaki

## List of Publications by Year in descending order

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Version: 2024-02-01

103  
papers

2,006  
citations

279798

23  
h-index

302126

39  
g-index

106  
all docs

106  
docs citations

106  
times ranked

2986  
citing authors

#	ARTICLE	IF	CITATIONS
1	Physical Activity and Neurodegeneration in Older Adults: Comment on: "Associations Between Physical Activity, Blood-Based Biomarkers of Neurodegeneration and Cognition in Healthy Older Adults: The MAPT Study". <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, e34-e35.	3.6	0
2	In response to study results concerning the impact of antidepressants in older adults with major depressive disorder relating to frailty. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, , .	3.6	0
3	Clinical characteristics of older adults with hypertension and unrecognized cognitive impairment. <i>Hypertension Research</i> , 2022, 45, 612-619.	2.7	9
4	Older adults with a higher frailty index tend to have electrolyte imbalances. <i>Experimental Gerontology</i> , 2022, 163, 111778.	2.8	2
5	Impact of Sarcopenia on Decline in Quality of Life in Older People with Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2022, 88, 23-27.	2.6	1
6	Association between gait speed and errors on the Clock Drawing Test in older adults with mild cognitive impairment. <i>Scientific Reports</i> , 2022, 12, .	3.3	1
7	Effect of Various Exercises on Intrinsic Capacity in Older Adults With Subjective Cognitive Concerns. <i>Journal of the American Medical Directors Association</i> , 2021, 22, 780-786.e2.	2.5	23
8	Association of fear of falling with cognitive function and physical activity in older community-dwelling adults. <i>European Geriatric Medicine</i> , 2021, 12, 99-106.	2.8	5
9	Determinants and impact of physical impairment in patient-reported outcomes among older patients with type 2 diabetes mellitus in Japan. <i>Current Medical Research and Opinion</i> , 2021, 37, 393-402.	1.9	1
10	Mild hyponatremia is associated with low skeletal muscle mass, physical function impairment, and depressive mood in the elderly. <i>BMC Geriatrics</i> , 2021, 21, 15.	2.7	12
11	Functional categories based on cognition and activities of daily living predict all-cause mortality in older adults with diabetes mellitus: The "Japanese Elderly Diabetes Intervention Trial". <i>Geriatrics and Gerontology International</i> , 2021, 21, 512-518.	1.5	8
12	Effects of Aerobic, Resistance, or Combined Exercise Training Among Older Adults with Subjective Memory Complaints: A Randomized Controlled Trial. <i>Journal of Alzheimer's Disease</i> , 2021, 82, 701-717.	2.6	6
13	Echo intensity is more useful in predicting hospital-associated complications than conventional sarcopenia-related parameters in acute hospitalized older patients. <i>Experimental Gerontology</i> , 2021, 150, 111397.	2.8	14
14	Association of verbal fluency test with progression to dementia in non-demented older adults. <i>Geriatrics and Gerontology International</i> , 2021, 21, 868-869.	1.5	1
15	Association of dehydration with development of dementia among non-demented geriatric outpatients. <i>Geriatrics and Gerontology International</i> , 2021, 21, 963-964.	1.5	1
16	Cross-Sectional Examination of Homocysteine Levels with Sarcopenia and Its Components in Memory Clinic Outpatients. <i>Journal of Alzheimer's Disease</i> , 2021, 82, 975-984.	2.6	3
17	Associations Between Polypharmacy and Gait Speed According to Cognitive Impairment Status: Cross-Sectional Study in a Japanese Memory Clinic. <i>Journal of Alzheimer's Disease</i> , 2021, 82, 1115-1122.	2.6	2
18	Frequencies and Neuropsychological Characteristics of Errors in the Clock Drawing Test. <i>Journal of Alzheimer's Disease</i> , 2021, 82, 1291-1300.	2.6	5

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19	Relationships between overactive bladder and cerebral white matter hyperintensity in outpatients at a memory clinic. <i>Geriatrics and Gerontology International</i> , 2021, 21, 996-1002.	1.5	2
20	Short- and long-term effects of different exercise programs on the gait performance of older adults with subjective cognitive decline: A randomized controlled trial. <i>Experimental Gerontology</i> , 2021, 156, 111590.	2.8	2
21	Falls in community-dwelling prefrail older adults. <i>Health and Social Care in the Community</i> , 2020, 28, 110-115.	1.6	13
22	Combined Impact of Physical Frailty and Social Isolation on Rate of Falls in Older Adults. <i>Journal of Nutrition, Health and Aging</i> , 2020, 24, 312-318.	3.3	18
23	Assessing the association between optimal energy intake and all-cause mortality in older patients with diabetes mellitus using the Japanese Elderly Diabetes Intervention Trial. <i>Geriatrics and Gerontology International</i> , 2020, 20, 59-65.	1.5	24
24	Chronic Dehydration in Nursing Home Residents. <i>Nutrients</i> , 2020, 12, 3562.	4.1	17
25	Association of the Qualitative Clock Drawing Test with Progression to Dementia in Non-Demented Older Adults. <i>Journal of Clinical Medicine</i> , 2020, 9, 2850.	2.4	11
26	HOme-based Longitudinal Investigation of the multidisciplinary Team Integrated Care (HOLISTIC): protocol of a prospective nationwide cohort study. <i>BMC Geriatrics</i> , 2020, 20, 511.	2.7	7
27	Association of polypharmacy with decline in quality of life in mild cognitive impairment and mild dementia. <i>Geriatrics and Gerontology International</i> , 2020, 20, 840-842.	1.5	0
28	Association Between Sarcopenia and Quality of Life in Patients with Early Dementia and Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2020, 76, 435-442.	2.6	9
29	Effect of various exercises on frailty among older adults with subjective cognitive concerns: a randomised controlled trial. <i>Age and Ageing</i> , 2020, 49, 1011-1019.	1.6	15
30	A Study on the Relationship between Cognitive Performance, Hearing Impairment, and Frailty in Older Adults. <i>Dementia and Geriatric Cognitive Disorders</i> , 2020, 49, 156-162.	1.5	7
31	Association between dysphagia risk and unplanned hospitalization in older patients receiving home medical care. <i>Geriatrics and Gerontology International</i> , 2019, 19, 977-981.	1.5	10
32	Response to the comments on "Sarcopenia and depressive mood in older adults". <i>Geriatrics and Gerontology International</i> , 2019, 19, 690-691.	1.5	0
33	Relationship between blood coagulability and sense of burden among caregivers of patients with dementia. <i>Geriatrics and Gerontology International</i> , 2019, 19, 804-808.	1.5	1
34	Quality of life in cognitively impaired older adults. <i>Geriatrics and Gerontology International</i> , 2019, 19, 999-1005.	1.5	13
35	Potentially Inappropriate Medications and Polypharmacy: A Study of Older People with Mild Cognitive Impairment and Mild Dementia. <i>Journal of Alzheimer's Disease</i> , 2019, 71, 889-897.	2.6	16
36	Change in quality of life and potentially associated factors in patients receiving home-based primary care: a prospective cohort study. <i>BMC Geriatrics</i> , 2019, 19, 21.	2.7	4

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37	Higher and Lower Muscle Echo Intensity in Elderly Individuals Is Distinguished by Muscle Size, Physical Performance and Daily Physical Activity. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 2372-2380.	1.5	19
38	Plasma orexin-A-like immunoreactivity levels and renal function in patients in a geriatric ward. <i>Peptides</i> , 2019, 118, 170092.	2.4	1
39	Polypharmacy and gait speed in individuals with mild cognitive impairment. <i>Geriatrics and Gerontology International</i> , 2019, 19, 730-735.	1.5	13
40	Association between sarcopenia and depressive mood in urban-dwelling older adults: A cross-sectional study. <i>Geriatrics and Gerontology International</i> , 2019, 19, 508-512.	1.5	44
41	Association of Glucose Fluctuations with Sarcopenia in Older Adults with Type 2 Diabetes Mellitus. <i>Journal of Clinical Medicine</i> , 2019, 8, 319.	2.4	43
42	Complaint of poor night sleep is correlated with physical function impairment in mild Alzheimer's disease patients. <i>Geriatrics and Gerontology International</i> , 2019, 19, 171-172.	1.5	3
43	Potentially inappropriate medications according to STOPP-J criteria and risks of hospitalization and mortality in elderly patients receiving home-based medical services. <i>PLoS ONE</i> , 2019, 14, e0211947.	2.5	28
44	Prevalence and risk factors of constipation and pollakisuria among older home-care patients. <i>Geriatrics and Gerontology International</i> , 2019, 19, 277-281.	1.5	15
45	Objectively measured physical activity and cognitive function in urban-dwelling older adults. <i>Geriatrics and Gerontology International</i> , 2018, 18, 922-928.	1.5	25
46	Frontal White Matter Hyperintensity Is Associated with Verbal Aggressiveness in Elderly Women with Alzheimer Disease and Amnesic Mild Cognitive Impairment. <i>Dementia and Geriatric Cognitive Disorders Extra</i> , 2018, 8, 138-150.	1.3	9
47	Diabetes-related cognitive dysfunction: Hyperglycemia in the early stage might be a key?. <i>Journal of Diabetes Investigation</i> , 2018, 9, 1019-1021.	2.4	7
48	Cognitive Dysfunction in Urban-Community Dwelling Prefrail Older Subjects. <i>Journal of Nutrition, Health and Aging</i> , 2018, 22, 549-554.	3.3	15
49	Factors associated with polypharmacy in elderly home-care patients. <i>Geriatrics and Gerontology International</i> , 2018, 18, 33-41.	1.5	46
50	Study on Estimation of MMSE Score by Using the Latency of P300 and Alpha Wave. , 2018, , .		1
51	Association between insulin resistance and objective measurement of physical activity in community-dwelling older adults without diabetes mellitus. <i>Diabetes Research and Clinical Practice</i> , 2018, 143, 267-274.	2.8	5
52	Maximum gait speed is associated with a wide range of cognitive functions in Japanese older adults with a Clinical Dementia Rating of 0.5. <i>Geriatrics and Gerontology International</i> , 2018, 18, 1323-1329.	1.5	13
53	Correlation between regional cerebral blood flow and body composition in healthy older women: A single-photon emission computed tomography study. <i>Geriatrics and Gerontology International</i> , 2018, 18, 1303-1304.	1.5	0
54	Relationship between cardiac autonomic function and cognitive function in Alzheimer's disease. <i>Geriatrics and Gerontology International</i> , 2017, 17, 92-98.	1.5	27

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55	Development and validation of a new quality of life scale for patients receiving home-based medical care: The Observational Study of Nagoya Elderly with Home Medical Care. <i>Geriatrics and Gerontology International</i> , 2017, 17, 440-448.	1.5	11
56	Factors associated with unexpected admissions and mortality among low-functioning older patients receiving home medical care. <i>Geriatrics and Gerontology International</i> , 2017, 17, 1623-1627.	1.5	17
57	Physical Function Differences Between the Stages From Normal Cognition to Moderate Alzheimer Disease. <i>Journal of the American Medical Directors Association</i> , 2017, 18, 368.e9-368.e15.	2.5	19
58	Low intakes of carotene, vitamin <sup>2</sup> , pantothenate and calcium predict cognitive decline among elderly patients with diabetes mellitus: The Japanese Elderly Diabetes Intervention Trial. <i>Geriatrics and Gerontology International</i> , 2017, 17, 1168-1175.	1.5	22
59	[P3-458]: COGNITIVE DYSFUNCTION IN PREFRAILTY BASELINE ANALYSIS OF TOYOTA PREVENTIONAL INTERVENTION FOR COGNITIVE DECLINE AND SARCOPENIA (TOPICS) STUDY. <i>Alzheimer's and Dementia</i> , 2017, 13, P1148.	0.8	0
60	Authors' reply to the letter by Esra <i>et al.</i> . <i>Geriatrics and Gerontology International</i> , 2017, 17, 2284-2285.	1.5	0
61	Neuroanatomical correlates of error types on the Clock Drawing Test in Alzheimer's disease patients. <i>Geriatrics and Gerontology International</i> , 2016, 16, 777-784.	1.5	9
62	Sarcopenia and frailty in older patients with diabetes mellitus. <i>Geriatrics and Gerontology International</i> , 2016, 16, 293-299.	1.5	108
63	Therapeutic Potential of Antidiabetic Medications in the Treatment of Cognitive Dysfunction and Dementia. <i>Drugs and Aging</i> , 2016, 33, 399-409.	2.7	15
64	Endotoxemia-induced cytokine-mediated responses of hippocampal astrocytes transmitted by cells of the brain-immune interface. <i>Scientific Reports</i> , 2016, 6, 25457.	3.3	54
65	Factors Associated with Changes in Brain Atrophy during a Three-Year Observation in Elderly Diabetic Patients: Effect of Renal Impairment on Hippocampal Atrophy. <i>Dementia and Geriatric Cognitive Disorders Extra</i> , 2016, 6, 55-67.	1.3	6
66	Risk factors for the discontinuation of home medical care among low-functioning older patients. <i>Journal of Nutrition, Health and Aging</i> , 2016, 20, 453-457.	3.3	11
67	Increased recruitment of bone marrow-derived cells into the brain associated with altered brain cytokine profile in senescence-accelerated mice. <i>Brain Structure and Function</i> , 2016, 221, 1513-1531.	2.3	11
68	Sarcopenia and diabetes: Hyperglycemia is a risk factor for age-associated muscle mass and functional reduction. <i>Journal of Diabetes Investigation</i> , 2015, 6, 623-624.	2.4	85
69	P3-202: Spect findings and neuropsychological assessments in older patients with Alzheimer's disease. , 2015, 11, P710-P710.		0
70	Factors associated with cognitive decline in older adults with type 2 diabetes mellitus during a 6-year observation. <i>Geriatrics and Gerontology International</i> , 2015, 15, 302-310.	1.5	21
71	Effects of Mild Cognitive Impairment on the Development of Fear of Falling in Older Adults: A Prospective Cohort Study. <i>Journal of the American Medical Directors Association</i> , 2015, 16, 1104.e9-1104.e13.	2.5	43
72	Type 2 diabetes as a risk factor for cognitive impairment: current insights. <i>Clinical Interventions in Aging</i> , 2014, 9, 1011.	2.9	134

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73	Impaired glycemia and Alzheimer's disease. <i>Neurobiology of Aging</i> , 2014, 35, e21.	3.1	5
74	Relationship between small cerebral white matter lesions and cognitive function in patients with Alzheimer's disease and amnesic mild cognitive impairment. <i>Geriatrics and Gerontology International</i> , 2014, 14, 819-826.	1.5	19
75	Burden reduction of caregivers for users of care services provided by the public long-term care insurance system in Japan. <i>Archives of Gerontology and Geriatrics</i> , 2014, 58, 130-133.	3.0	26
76	Cognitive impairments and functional declines in older adults at high risk for care needs. <i>Geriatrics and Gerontology International</i> , 2013, 13, 77-82.	1.5	10
77	Cognitive dysfunction: An emerging concept of a new diabetic complication in the elderly. <i>Geriatrics and Gerontology International</i> , 2013, 13, 28-34.	1.5	58
78	Insulin resistance in the brain: A new therapeutic target for Alzheimer's disease. <i>Journal of Diabetes Investigation</i> , 2013, 4, 150-151.	2.4	11
79	Neurocognitive Dysfunction in Old Diabetes. <i>Advances in Experimental Medicine and Biology</i> , 2013, 771, 465-470.	1.6	6
80	The response of the autonomic nervous system to the cholinesterase inhibitor, donepezil. <i>Neuroendocrinology Letters</i> , 2013, 34, 383-7.	0.2	7
81	Neurodegeneration in Diabetes Mellitus. <i>Advances in Experimental Medicine and Biology</i> , 2012, 724, 258-265.	1.6	69
82	Falls in elderly at high risk of requiring care. <i>Geriatrics and Gerontology International</i> , 2012, 12, 147-148.	1.5	3
83	Long-term multiple risk factor interventions in Japanese elderly diabetic patients: The Japanese Elderly Diabetes Intervention Trial " study design, baseline characteristics and effects of intervention. <i>Geriatrics and Gerontology International</i> , 2012, 12, 7-17.	1.5	65
84	Risk factors associated with cognitive decline in the elderly with type 2 diabetes: Baseline data analysis of the Japanese elderly diabetes intervention trial. <i>Geriatrics and Gerontology International</i> , 2012, 12, 103-109.	1.5	40
85	Risk factors associated with cognitive decline in the elderly with type 2 diabetes: Pooled logistic analysis of a 6-year observation in the Japanese elderly diabetes intervention trial. <i>Geriatrics and Gerontology International</i> , 2012, 12, 110-116.	1.5	30
86	Risk factors for a 6-year decline in physical disability and functional limitations among elderly people with type 2 diabetes in the Japanese elderly diabetes intervention trial. <i>Geriatrics and Gerontology International</i> , 2012, 12, 117-126.	1.5	29
87	Association of lower hemoglobin level with depressive mood in elderly women at high risk of requiring care. <i>Geriatrics and Gerontology International</i> , 2011, 11, 262-266.	1.5	19
88	Association between the caregiver's burden and physical activity in community-dwelling caregivers of dementia patients. <i>Archives of Gerontology and Geriatrics</i> , 2011, 52, 295-298.	3.0	29
89	Influence of regular exercise on subjective sense of burden and physical symptoms in community-dwelling caregivers of dementia patients: A randomized controlled trial. <i>Archives of Gerontology and Geriatrics</i> , 2011, 53, e158-e163.	3.0	61
90	Pathophysiology of cognitive dysfunction in older people with type 2 diabetes: vascular changes or neurodegeneration?. <i>Age and Ageing</i> , 2010, 39, 8-10.	1.6	54

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91	Association of higher carbohydrate intake with depressive mood in elderly diabetic women. <i>Nutritional Neuroscience</i> , 2009, 12, 267-271.	3.1	11
92	Changes in the perception of dementia in Japan. <i>International Psychogeriatrics</i> , 2009, 21, 793-795.	1.0	18
93	Aging of the striatum: mechanisms and interventions. <i>Age</i> , 2008, 30, 251-261.	3.0	21
94	Factors associated with lower Mini Mental State Examination scores in elderly Japanese diabetes mellitus patients. <i>Neurobiology of Aging</i> , 2008, 29, 1022-1026.	3.1	41
95	Glucose control levels, ischaemic brain lesions, and hyperinsulinaemia were associated with cognitive dysfunction in diabetic elderly. <i>Age and Ageing</i> , 2008, 37, 458-461.	1.6	28
96	Discontinuation of donepezil for the treatment of Alzheimer's disease in geriatric practice. <i>International Psychogeriatrics</i> , 2008, 20, 800-806.	1.0	35
97	Attitudes toward disclosing the diagnosis of dementia in Japan. <i>International Psychogeriatrics</i> , 2007, 19, 253.	1.0	16
98	Association between insulin resistance and cognitive function in elderly diabetic patients. <i>Geriatrics and Gerontology International</i> , 2006, 6, 254-259.	1.5	5
99	Functional recovery of the striatal cholinergic system in aged rats by adenoviral vector-mediated gene transfer of dopamine D2 receptor. <i>Mechanisms of Ageing and Development</i> , 2006, 127, 813-815.	4.6	2
100	Microdialysis measurement of acetylcholine in rat hippocampus during severe insulin-induced hypoglycemia. <i>Neuroendocrinology Letters</i> , 2006, 27, 128-32.	0.2	1
101	Stimulation of the hippocampal glutamate receptor systems induces stress-like responses. <i>Neuroendocrinology Letters</i> , 2006, 27, 339-43.	0.2	7
102	Dopamine D2 receptor plays a role in memory function: implications of dopamine-acetylcholine interaction in the ventral hippocampus. <i>Psychopharmacology</i> , 2005, 182, 253-261.	3.1	41
103	The Clock Drawing Test as a Valid Screening Method for Mild Cognitive Impairment. <i>Dementia and Geriatric Cognitive Disorders</i> , 2004, 18, 172-179.	1.5	95