

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	Type 2 diabetes as a risk factor for cognitive impairment: current insights. <i>Clinical Interventions in Aging</i> , 2014, 9, 1011.	2.9	134
2	Sarcopenia and frailty in older patients with diabetes mellitus. <i>Geriatrics and Gerontology International</i> , 2016, 16, 293-299.	1.5	108
3	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
4	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
5	Neurodegeneration in Diabetes Mellitus. <i>Advances in Experimental Medicine and Biology</i> , 2012, 724, 258-265.	1.6	69
6	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
7	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
8	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
9	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
10	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
11	Factors associated with polypharmacy in elderly home-care patients. <i>Geriatrics and Gerontology International</i> , 2018, 18, 33-41.	1.5	46
12	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
13	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
14	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
15	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
16	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
17	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
18	Discontinuation of donepezil for the treatment of Alzheimer's disease in geriatric practice. <i>International Psychogeriatrics</i> , 2008, 20, 800-806.	1.0	35

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19	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
20	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
21	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
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	Low intakes of carotene, vitamin B ₂ , 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
30	Aging of the striatum: mechanisms and interventions. <i>Age</i> , 2008, 30, 251-261.	3.0	21
31	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
32	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
33	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
34	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
35	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
36	Changes in the perception of dementia in Japan. <i>International Psychogeriatrics</i> , 2009, 21, 793-795.	1.0	18

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37	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
38	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
39	Chronic Dehydration in Nursing Home Residents. <i>Nutrients</i> , 2020, 12, 3562.	4.1	17
40	Attitudes toward disclosing the diagnosis of dementia in Japan. <i>International Psychogeriatrics</i> , 2007, 19, 253.	1.0	16
41	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
42	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
43	Cognitive Dysfunction in Urban-Community Dwelling Pre frail Older Subjects. <i>Journal of Nutrition, Health and Aging</i> , 2018, 22, 549-554.	3.3	15
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	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
46	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
47	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
48	Quality of life in cognitively impaired older adults. <i>Geriatrics and Gerontology International</i> , 2019, 19, 999-1005.	1.5	13
49	Polypharmacy and gait speed in individuals with mild cognitive impairment. <i>Geriatrics and Gerontology International</i> , 2019, 19, 730-735.	1.5	13
50	Falls in community-dwelling pre frail older adults. <i>Health and Social Care in the Community</i> , 2020, 28, 110-115.	1.6	13
51	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
52	Association of higher carbohydrate intake with depressive mood in elderly diabetic women. <i>Nutritional Neuroscience</i> , 2009, 12, 267-271.	3.1	11
53	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
54	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

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55	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
56	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
57	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
58	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
59	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
60	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
61	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
62	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
63	Clinical characteristics of older adults with hypertension and unrecognized cognitive impairment. <i>Hypertension Research</i> , 2022, 45, 612-619.	2.7	9
64	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
65	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
66	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
67	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
68	Stimulation of the hippocampal glutamate receptor systems induces stress-like responses. <i>Neuroendocrinology Letters</i> , 2006, 27, 339-43.	0.2	7
69	The response of the autonomic nervous system to the cholinesterase inhibitor, donepezil. <i>Neuroendocrinology Letters</i> , 2013, 34, 383-7.	0.2	7
70	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
71	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
72	Neurocognitive Dysfunction in Old Diabetes. <i>Advances in Experimental Medicine and Biology</i> , 2013, 771, 465-470.	1.6	6

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73	Association between insulin resistance and cognitive function in elderly diabetic patients. <i>Geriatrics and Gerontology International</i> , 2006, 6, 254-259.	1.5	5
74	Impaired glycemia and Alzheimer's disease. <i>Neurobiology of Aging</i> , 2014, 35, e21.	3.1	5
75	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
76	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
77	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
78	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
79	Falls in elderly at high risk of requiring care. <i>Geriatrics and Gerontology International</i> , 2012, 12, 147-148.	1.5	3
80	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
81	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
82	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
83	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
84	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
85	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
86	Older adults with a higher frailty index tend to have electrolyte imbalances. <i>Experimental Gerontology</i> , 2022, 163, 111778.	2.8	2
87	Study on Estimation of MMSE Score by Using the Latency of P300 and Alpha Wave. , 2018, , .		1
88	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
89	Plasma orexin-A-like immunoreactivity levels and renal function in patients in a geriatric ward. <i>Peptides</i> , 2019, 118, 170092.	2.4	1
90	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

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91	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
92	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
93	Microdialysis measurement of acetylcholine in rat hippocampus during severe insulin-induced hypoglycemia. <i>Neuroendocrinology Letters</i> , 2006, 27, 128-32.	0.2	1
94	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
95	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
96	P3-202: Spect findings and neuropsychological assessments in older patients with Alzheimer's disease. , 2015, 11, P710-P710.		0
97	[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
98	Authors' reply to the letter by Esra et al. <i>Geriatrics and Gerontology International</i> , 2017, 17, 2284-2285.	1.5	0
99	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
100	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
101	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
102	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
103	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