

Melinda C Power

List of Publications by Year in descending order

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84
papers

5,001
citations

101543

36
h-index

98798

67
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89
all docs

89
docs citations

89
times ranked

7774
citing authors

#	ARTICLE	IF	CITATIONS
1	Midlife Hypertension and 20-Year Cognitive Change. <i>JAMA Neurology</i> , 2014, 71, 1218.	9.0	358
2	Traffic-Related Air Pollution and Cognitive Function in a Cohort of Older Men. <i>Environmental Health Perspectives</i> , 2011, 119, 682-687.	6.0	342
3	Exposure to air pollution as a potential contributor to cognitive function, cognitive decline, brain imaging, and dementia: A systematic review of epidemiologic research. <i>NeuroToxicology</i> , 2016, 56, 235-253.	3.0	286
4	Defining the Relationship Between Hypertension, Cognitive Decline, and Dementia: a Review. <i>Current Hypertension Reports</i> , 2017, 19, 24.	3.5	278
5	White matter hyperintensities in vascular contributions to cognitive impairment and dementia (VCID): Knowledge gaps and opportunities. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2019, 5, 107-117.	3.7	250
6	Association of Midlife to Late-Life Blood Pressure Patterns With Incident Dementia. <i>JAMA - Journal of the American Medical Association</i> , 2019, 322, 535.	7.4	227
7	The relation between past exposure to fine particulate air pollution and prevalent anxiety: observational cohort study. <i>BMJ, The</i> , 2015, 350, h1111.	6.0	216
8	The Association Between Blood Pressure and Incident Alzheimer Disease. <i>Epidemiology</i> , 2011, 22, 646-659.	2.7	185
9	Guidelines for reporting methodological challenges and evaluating potential bias in dementia research. <i>Alzheimer's and Dementia</i> , 2015, 11, 1098-1109.	0.8	169
10	Combined neuropathological pathways account for age-related risk of dementia. <i>Annals of Neurology</i> , 2018, 84, 10-22.	5.3	141
11	The Association Between Air Pollution and Onset of Depression Among Middle-Aged and Older Women. <i>American Journal of Epidemiology</i> , 2017, 185, 801-809.	3.4	140
12	Effect of reductions in amyloid levels on cognitive change in randomized trials: instrumental variable meta-analysis. <i>BMJ, The</i> , 2021, 372, n156.	6.0	113
13	Statins, cognition, and dementia—systematic review and methodological commentary. <i>Nature Reviews Neurology</i> , 2015, 11, 220-229.	10.1	108
14	The Association of Late-Life Diabetes Status and Hyperglycemia With Incident Mild Cognitive Impairment and Dementia: The ARIC Study. <i>Diabetes Care</i> , 2019, 42, 1248-1254.	8.6	104
15	Impact of Differential Attrition on the Association of Education With Cognitive Change Over 20 Years of Follow-up: The ARIC Neurocognitive Study. <i>American Journal of Epidemiology</i> , 2014, 179, 956-966.	3.4	102
16	Association of midlife lipids with 20-year cognitive change: A cohort study. <i>Alzheimer's and Dementia</i> , 2018, 14, 167-177.	0.8	84
17	Midlife Systemic Inflammation, Late-Life White Matter Integrity, and Cerebral Small Vessel Disease. <i>Stroke</i> , 2017, 48, 3196-3202.	2.0	83
18	Exposure to Air Pollution in Relation to Risk of Dementia and Related Outcomes: An Updated Systematic Review of the Epidemiological Literature. <i>Environmental Health Perspectives</i> , 2021, 129, 96001.	6.0	82

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19	Jump, Hop, or Skip: Modeling Practice Effects in Studies of Determinants of Cognitive Change in Older Adults. <i>American Journal of Epidemiology</i> , 2016, 183, 302-314.	3.4	81
20	Racial disparities and temporal trends in dementia misdiagnosis risk in the United States. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2019, 5, 891-898.	3.7	81
21	The Association of Long-Term Exposure to Particulate Matter Air Pollution with Brain MRI Findings: The ARIC Study. <i>Environmental Health Perspectives</i> , 2018, 126, 027009.	6.0	76
22	Comparison of Methods for Algorithmic Classification of Dementia Status in the Health and Retirement Study. <i>Epidemiology</i> , 2019, 30, 291-302.	2.7	71
23	Biased Exposure—Health Effect Estimates from Selection in Cohort Studies: Are Environmental Studies at Particular Risk?. <i>Environmental Health Perspectives</i> , 2015, 123, 1113-1122.	6.0	70
24	Trends in Relative Incidence and Prevalence of Dementia Across Non-Hispanic Black and White Individuals in the United States, 2000-2016. <i>JAMA Neurology</i> , 2021, 78, 275.	9.0	70
25	Particulate Matter and Albuminuria, Glomerular Filtration Rate, and Incident CKD. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2020, 15, 311-319.	4.5	61
26	A Simulation Platform for Quantifying Survival Bias: An Application to Research on Determinants of Cognitive Decline. <i>American Journal of Epidemiology</i> , 2016, 184, 378-387.	3.4	60
27	Life-course blood pressure in relation to brain volumes. <i>Alzheimer's and Dementia</i> , 2016, 12, 890-899.	0.8	59
28	The association of mid-to late-life systemic inflammation with white matter structure in older adults: The Atherosclerosis Risk in Communities Study. <i>Neurobiology of Aging</i> , 2018, 68, 26-33.	3.1	59
29	Central Arterial Stiffness Is Associated With Structural Brain Damage and Poorer Cognitive Performance: The ARIC Study. <i>Journal of the American Heart Association</i> , 2019, 8, e011045.	3.7	59
30	Application of Latent Variable Methods to the Study of Cognitive Decline When Tests Change over Time. <i>Epidemiology</i> , 2015, 26, 878-887.	2.7	56
31	Midlife and Late-life Vascular Risk Factors and White Matter Microstructural Integrity: The Atherosclerosis Risk in Communities Neurocognitive Study. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	54
32	Blood Pressure and Cognition. <i>Epidemiology</i> , 2013, 24, 886-893.	2.7	49
33	Cross-Sectional Association between Polyfluoroalkyl Chemicals and Cognitive Limitation in the National Health and Nutrition Examination Survey. <i>Neuroepidemiology</i> , 2013, 40, 125-132.	2.3	45
34	Persistent organic pollutants and mortality in the United States, NHANES 1999–2011. <i>Environmental Health</i> , 2017, 16, 105.	4.0	45
35	Association of Brain Magnetic Resonance Imaging Signs With Cognitive Outcomes in Persons With Nonimpaired Cognition and Mild Cognitive Impairment. <i>JAMA Network Open</i> , 2019, 2, e193359.	5.9	45
36	Relationship of Cigarette Smoking and Time of Quitting with Incident Dementia and Cognitive Decline. <i>Journal of the American Geriatrics Society</i> , 2020, 68, 337-345.	2.6	41

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37	Development of Algorithmic Dementia Ascertainment for Racial/Ethnic Disparities Research in the US Health and Retirement Study. <i>Epidemiology</i> , 2020, 31, 126-133.	2.7	39
38	Associations of cumulative Pb exposure and longitudinal changes in Mini-Mental Status Exam scores, global cognition and domains of cognition: The VA Normative Aging Study. <i>Environmental Research</i> , 2017, 152, 102-108.	7.5	38
39	Lead exposure and rate of change in cognitive function in older women. <i>Environmental Research</i> , 2014, 129, 69-75.	7.5	36
40	Telomere Length, Long-Term Black Carbon Exposure, and Cognitive Function in a Cohort of Older Men: The VA Normative Aging Study. <i>Environmental Health Perspectives</i> , 2017, 125, 76-81.	6.0	36
41	Mindfulness-based interventions and cognitive function among breast cancer survivors: a systematic review. <i>BMC Cancer</i> , 2018, 18, 1163.	2.6	33
42	Association of white matter microstructural integrity with cognition and dementia. <i>Neurobiology of Aging</i> , 2019, 83, 63-72.	3.1	32
43	Safety and Feasibility of a Neuroscience Critical Care Program to Mobilize Patients With Primary Intracerebral Hemorrhage. <i>Archives of Physical Medicine and Rehabilitation</i> , 2018, 99, 1220-1225.	0.9	30
44	Identification of Dementia in Recent Medicare Claims Data, Compared With Rigorous Clinical Assessments. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 1272-1278.	3.6	30
45	Association of Midlife Hypertension with Late-Life Hearing Loss. <i>Otolaryngology - Head and Neck Surgery</i> , 2019, 161, 996-1003.	1.9	29
46	Associations of serum uric acid with incident dementia and cognitive decline in the ARIC-NCS cohort. <i>Journal of the Neurological Sciences</i> , 2020, 414, 116866.	0.6	25
47	Self-Reported Hearing Loss and Nonfatal Fall-Related Injury in a Nationally Representative Sample. <i>Journal of the American Geriatrics Society</i> , 2019, 67, 1410-1416.	2.6	22
48	Association of traumatic brain injury with dementia and memory decline in older adults in the United States. <i>Alzheimer's and Dementia</i> , 2020, 16, 853-861.	0.8	22
49	Long-term exposure to black carbon, cognition and single nucleotide polymorphisms in microRNA processing genes in older men. <i>Environment International</i> , 2016, 88, 86-93.	10.0	21
50	Generalizability of findings from a clinical sample to a community-based sample: A comparison of ADNI and ARIC. <i>Alzheimer's and Dementia</i> , 2021, 17, 1265-1276.	0.8	20
51	ApoB, small-dense LDL-C, Lp(a), LpPLA ₂ activity, and cognitive change. <i>Neurology</i> , 2019, 92, e2580-e2593.	1.1	19
52	Hearing loss and microstructural integrity of the brain in a dementia-free older population. <i>Alzheimer's and Dementia</i> , 2020, 16, 1515-1523.	0.8	13
53	Lead Exposure and Tremor among Older Men: The VA Normative Aging Study. <i>Environmental Health Perspectives</i> , 2015, 123, 445-450.	6.0	12
54	Diet quality and hearing loss among middle-aged older aged adults in the USA: findings from National Health and Nutrition Examination Survey. <i>Public Health Nutrition</i> , 2020, 23, 812-820.	2.2	12

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55	Aortic Stiffness and White Matter Microstructural Integrity Assessed by Diffusion Tensor Imaging: The ARICâ€NCS. <i>Journal of the American Heart Association</i> , 2020, 9, e014868.	3.7	12
56	Prospective Analysis of Leisure-Time Physical Activity in Midlife and Beyond and Brain Damage on MRI in Older Adults. <i>Neurology</i> , 2021, 96, e964-e974.	1.1	12
57	Modification by hemochromatosis gene polymorphisms of the association between traffic-related air pollution and cognition in older men: a cohort study. <i>Environmental Health</i> , 2013, 12, 16.	4.0	11
58	Cognitive Impairment after Lacunar Stroke and the Risk of Recurrent Stroke and Death. <i>Cerebrovascular Diseases</i> , 2021, 50, 383-389.	1.7	11
59	Incidence of dementia in a Brazilian population: The Tremembã© Epidemiologic Study. <i>Alzheimer's and Dementia</i> , 2022, 18, 581-590.	0.8	11
60	APOE Î¼4 allele modifies the association of lead exposure with age-related cognitive decline in older individuals. <i>Environmental Research</i> , 2016, 151, 101-105.	7.5	10
61	Association of Atrial Fibrillation With White Matter Disease. <i>Stroke</i> , 2019, 50, 989-991.	2.0	10
62	Implications of the Use of Algorithmic Diagnoses or Medicare Claims to Ascertain Dementia. <i>Neuroepidemiology</i> , 2020, 54, 462-471.	2.3	10
63	The association between midlife lipid levels and late-life brain amyloid deposition. <i>Neurobiology of Aging</i> , 2020, 92, 73-74.	3.1	9
64	Hearing impairment and missing cognitive test scores in a populationâ€based study of older adults: The Atherosclerosis Risk in Communities neurocognitive study. <i>Alzheimer's and Dementia</i> , 2021, 17, 1725-1734.	0.8	9
65	The Associations of Dietary Copper With Cognitive Outcomes. <i>American Journal of Epidemiology</i> , 2022, 191, 1202-1211.	3.4	9
66	Highâ€Sensitive Troponin T, Natriuretic Peptide, and Cognitive Change. <i>Journal of the American Geriatrics Society</i> , 2019, 67, 2353-2361.	2.6	7
67	Association of Cigarette Smoking Patterns Over 30 Years With Audiometric Hearing Impairment and Speech-in-Noise Perception. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2022, 148, 243.	2.2	7
68	A Feasibility Study of Group-Delivered Behavioral Interventions for Insomnia Among Breast Cancer Survivors: Comparing Cognitive Behavioral Therapy for Insomnia and a Mindâ€Body Intervention. <i>Journal of Alternative and Complementary Medicine</i> , 2019, 25, 840-844.	2.1	6
69	Growing evidence links air pollution exposure to risk of Alzheimerâ€™s disease and related dementia. <i>Brain</i> , 2020, 143, 8-10.	7.6	6
70	Association of mid-life serum lipid levels with late-life brain volumes: The atherosclerosis risk in communities neurocognitive study (ARIC NCS). <i>NeuroImage</i> , 2020, 223, 117324.	4.2	5
71	Longitudinal Blood Pressure Patterns From Mid- to Late Life and Late-Life Hearing Loss in the Atherosclerosis Risk in Communities Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 640-646.	3.6	5
72	Proof of Concept Example for Use of Simulation to Allow Data Pooling Despite Privacy Restrictions. <i>Epidemiology</i> , 2021, 32, 638-647.	2.7	5

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73	Influence of providers and nurses on completion of non-targeted HIV screening in an urgent care setting. <i>AIDS Research and Therapy</i> , 2014, 11, 24.	1.7	4
74	Incident prolonged QT interval in midlife and late-life cognitive performance. <i>PLoS ONE</i> , 2020, 15, e0229519.	2.5	4
75	Characteristics of movers and predictors of residential mobility in the Atherosclerosis Risk in Communities (ARIC) cohort. <i>Health and Place</i> , 2022, 74, 102771.	3.3	4
76	Evaluation of Federal Policy Changes to the Hospice Benefit and Use of Hospice for Persons With ADRD. <i>JAMA Health Forum</i> , 2022, 3, e220900.	2.2	4
77	Exposure to Black Carbon and Cognitive Function in a Cohort of Older Men. <i>Epidemiology</i> , 2011, 22, S203.	2.7	3
78	Digitally recorded and remotely classified lung auscultation compared with conventional stethoscope classifications among children aged 1–59 months enrolled in the Pneumonia Etiology Research for Child Health (PERCH) case–control study. <i>BMJ Open Respiratory Research</i> , 2022, 9, e001144.	3.0	3
79	Closing the Gap Between Observational Research and Randomized Controlled Trials for Prevention of Alzheimer Disease and Dementia. <i>Epidemiologic Reviews</i> , 2022, 44, 17-28.	3.5	2
80	P3-329: SMOKING AND WHITE MATTER HYPERINTENSITY GRADE PROGRESSION IN THE ATHEROSCLEROSIS RISK IN COMMUNITIES (ARIC) STUDY. , 2014, 10, P750-P750.		1
81	Association of remote traumatic brain injury and military employment with late-life trajectories of depressive symptom severity. <i>Journal of Affective Disorders</i> , 2021, 281, 376-383.	4.1	1
82	P2-301: THE ALZRISK PROJECT: THE WEB-BASED CATALOGUE AND META-ANALYSIS OF FINDINGS FROM EPIDEMIOLOGIC STUDIES OF NON-GENETIC RISK FACTORS FOR ALZHEIMER'S DISEASE. , 2014, 10, P588-P588.		0
83	Association of Lifetime Traumatic Brain Injury and Military Employment with Late-Life ADL Functioning: A Population-Based Prospective Cohort Study. <i>Archives of Physical Medicine and Rehabilitation</i> , 2021, 102, e85.	0.9	0
84	Abstract P013: Serum Uric Acid is Not Associated With Incident Dementia in the ARIC-NCS Cohort. <i>Circulation</i> , 2019, 139, .	1.6	0