

Karlene K Ball

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

120
papers

12,409
citations

55
h-index

111
g-index

123
ext. papers

13,711
ext. citations

4
avg, IF

5.84
L-index

#	Paper	IF	Citations
120	Effects of cognitive training interventions with older adults: a randomized controlled trial. <i>JAMA - Journal of the American Medical Association</i> , 2002 , 288, 2271-81	27.4	1291
119	Long-term effects of cognitive training on everyday functional outcomes in older adults. <i>JAMA - Journal of the American Medical Association</i> , 2006 , 296, 2805-14	27.4	941
118	Visual processing impairment and risk of motor vehicle crash among older adults. <i>JAMA - Journal of the American Medical Association</i> , 1998 , 279, 1083-8	27.4	535
117	Age and visual search: expanding the useful field of view. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1988 , 5, 2210-9	1.8	503
116	Ten-year effects of the advanced cognitive training for independent and vital elderly cognitive training trial on cognition and everyday functioning in older adults. <i>Journal of the American Geriatrics Society</i> , 2014 , 62, 16-24	5.6	485
115	Direction-specific improvement in motion discrimination. <i>Vision Research</i> , 1987 , 27, 953-65	2.1	446
114	Driving avoidance and functional impairment in older drivers. <i>Accident Analysis and Prevention</i> , 1998 , 30, 313-22	6.1	381
113	Visual/cognitive correlates of vehicle accidents in older drivers.. <i>Psychology and Aging</i> , 1991 , 6, 403-415	3.6	373
112	Speed-of-processing and driving simulator training result in improved driving performance. <i>Human Factors</i> , 2003 , 45, 218-33	3.8	350
111	Can high-risk older drivers be identified through performance-based measures in a Department of Motor Vehicles setting?. <i>Journal of the American Geriatrics Society</i> , 2006 , 54, 77-84	5.6	312
110	ACTIVE: a cognitive intervention trial to promote independence in older adults. <i>Contemporary Clinical Trials</i> , 2001 , 22, 453-79		274
109	The impact of speed of processing training on cognitive and everyday functions. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2007 , 62 Spec No 1, 19-31	4.6	272
108	Identifying correlates of accident involvement for the older driver. <i>Human Factors</i> , 1991 , 33, 583-95	3.8	219
107	The impact of speed of processing training on cognitive and everyday performance. <i>Aging and Mental Health</i> , 2005 , 9, 262-71	3.5	216
106	Timed instrumental activities of daily living tasks: relationship to cognitive function and everyday performance assessments in older adults. <i>Gerontology</i> , 2002 , 48, 254-65	5.5	207
105	Individual difference factors in risky driving: the roles of anger/hostility, conscientiousness, and sensation-seeking. <i>Accident Analysis and Prevention</i> , 2006 , 38, 801-10	6.1	203
104	The Life Space Questionnaire: A Measure of the Extent of Mobility of Older Adults. <i>Journal of Applied Gerontology</i> , 1999 , 18, 460-478	3.3	198

103	Cumulative meta-analysis of the relationship between useful field of view and driving performance in older adults: current and future implications. <i>Optometry and Vision Science</i> , 2005 , 82, 724-31	2.1	195
102	Reliability and validity of useful field of view test scores as administered by personal computer. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2005 , 27, 529-43	2.1	194
101	Vision impairment, eye disease, and injurious motor vehicle crashes in the elderly. <i>Ophthalmic Epidemiology</i> , 1998 , 5, 101-13	1.9	179
100	Transfer of a speed of processing intervention to near and far cognitive functions. <i>Gerontology</i> , 2002 , 48, 329-40	5.5	157
99	Visual localization: age and practice. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1986 , 3, 864-7	1.8	157
98	Cognitive training decreases motor vehicle collision involvement of older drivers. <i>Journal of the American Geriatrics Society</i> , 2010 , 58, 2107-13	5.6	155
97	The useful field of view test: normative data for older adults. <i>Archives of Clinical Neuropsychology</i> , 2006 , 21, 275-86	2.7	146
96	Advanced cognitive training for breast cancer survivors: a randomized controlled trial. <i>Breast Cancer Research and Treatment</i> , 2012 , 135, 799-809	4.4	139
95	The longitudinal impact of cognitive speed of processing training on driving mobility. <i>Gerontologist, The</i> , 2009 , 49, 485-94	5	121
94	Mild cognitive impairment and everyday function: an investigation of driving performance. <i>Journal of Geriatric Psychiatry and Neurology</i> , 2009 , 22, 87-94	3.8	113
93	Models of stimulus uncertainty in motion perception.. <i>Psychological Review</i> , 1980 , 87, 435-469	6.3	111
92	Cognitive correlates of financial abilities in mild cognitive impairment. <i>Journal of the American Geriatrics Society</i> , 2006 , 54, 1745-50	5.6	110
91	Longitudinal predictors of driving cessation among older adults from the ACTIVE clinical trial. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2008 , 63, P6-12	4.6	106
90	Impact of distracted driving on safety and traffic flow. <i>Accident Analysis and Prevention</i> , 2013 , 61, 63-70	6.1	104
89	Video game training to improve selective visual attention in older adults. <i>Computers in Human Behavior</i> , 2013 , 29, 1318-1324	7.7	102
88	Identifying crash involvement among older drivers: agreement between self-report and state records. <i>Accident Analysis and Prevention</i> , 1998 , 30, 781-91	6.1	100
87	A preliminary assessment of the medical and functional factors associated with vehicle crashes by older adults. <i>Journal of the American Geriatrics Society</i> , 1998 , 46, 556-61	5.6	94
86	Human vision favors centrifugal motion. <i>Perception</i> , 1980 , 9, 317-25	1.2	94

85	Relation of useful field of view and other screening tests to on-road driving performance. <i>Perceptual and Motor Skills</i> , 2000 , 91, 279-90	2.2	93
84	Improving Methodological Standards in Behavioral Interventions for Cognitive Enhancement. <i>Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice</i> , 2019 , 3, 2-29	2.4	91
83	Does cognitive training improve internal locus of control among older adults?. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2010 , 65, 591-8	4.6	88
82	Do older drivers at-risk for crashes modify their driving over time?. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2009 , 64, 163-70	4.6	88
81	Effect of memory impairment on training outcomes in ACTIVE. <i>Journal of the International Neuropsychological Society</i> , 2007 , 13, 953-60	3.1	85
80	Predictors of driving exposure and avoidance in a field study of older drivers from the state of Maryland. <i>Accident Analysis and Prevention</i> , 2006 , 38, 823-31	6.1	85
79	Useful Field of View and Other Neurocognitive Indicators of Crash Risk in Older Adults. <i>Journal of Clinical Psychology in Medical Settings</i> , 1998 , 5, 425-440	2	84
78	Visual/cognitive correlates of vehicle accidents in older drivers. <i>Psychology and Aging</i> , 1991 , 6, 403-15	3.6	84
77	Relationship between visual sensitivity and target localization in older adults. <i>Vision Research</i> , 1995 , 35, 579-87	2.1	82
76	Awareness of functional difficulties in mild cognitive impairment: a multidomain assessment approach. <i>Journal of the American Geriatrics Society</i> , 2009 , 57, 978-84	5.6	75
75	Speed of processing training protects self-rated health in older adults: enduring effects observed in the multi-site ACTIVE randomized controlled trial. <i>International Psychogeriatrics</i> , 2010 , 22, 470-8	3.4	74
74	The effect of speed-of-processing training on depressive symptoms in ACTIVE. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2009 , 64, 468-72	6.4	73
73	Visual and medical risk factors for motor vehicle collision involvement among older drivers. <i>British Journal of Ophthalmology</i> , 2009 , 93, 400-4	5.5	72
72	The effects of physical activity and sedentary behavior on cognitive health in older adults. <i>Journal of Aging and Physical Activity</i> , 2005 , 13, 294-313	1.6	71
71	Individual difference factors in risky driving among older adults. <i>Journal of Safety Research</i> , 2007 , 38, 501-9	4	70
70	Speed of processing training with middle-age and older adults with HIV: a pilot study. <i>Journal of the Association of Nurses in AIDS Care</i> , 2012 , 23, 500-10	1.6	67
69	The accelerate study: The longitudinal effect of speed of processing training on cognitive performance of older adults.. <i>Rehabilitation Psychology</i> , 2007 , 52, 89-96	2.7	67
68	Chapter 25 Developmental Changes in Attention and Visual Search throughout Adulthood. <i>Advances in Psychology</i> , 1990 , 69, 489-508		57

67	Visual function and cognitive speed of processing mediate age-related decline in memory span and fluid intelligence. <i>Journal of Aging and Health</i> , 2009 , 21, 547-66	2.6	56
66	The ACTIVE cognitive training interventions and the onset of and recovery from suspected clinical depression. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2009 , 64, 577-85 ^{4.6}	4.6	55
65	Sensory and cognitive factors influencing functional ability in older adults. <i>Gerontology</i> , 2005 , 51, 131-41 ^{5.5}	5.5	54
64	Development and evaluation of home-based speed-of-processing training for older adults. <i>Archives of Physical Medicine and Rehabilitation</i> , 2006 , 87, 757-63	2.8	54
63	Visual attention and self-regulation of driving among older adults. <i>International Psychogeriatrics</i> , 2008 , 20, 162-73	3.4	53
62	Speed of processing training in the ACTIVE study: how much is needed and who benefits?. <i>Journal of Aging and Health</i> , 2013 , 25, 655-84 ⁵	2.6	51
61	Masking of motion by broadband and filtered directional noise. <i>Perception & Psychophysics</i> , 1979 , 26, 206-214		51
60	Examination of cognitive and instrumental functional performance as indicators for driving cessation risk across 3 years. <i>Gerontologist, The</i> , 2008 , 48, 802-10	5	49
59	Cues reduce direction uncertainty and enhance motion detection. <i>Perception & Psychophysics</i> , 1981 , 30, 119-28		48
58	The impact of feedback on self-rated driving ability and driving self-regulation among older adults. <i>Gerontologist, The</i> , 2011 , 51, 367-78	5	47
57	The Transfer of Cognitive Speed of Processing Training to Older Adults Driving Mobility Across 5 Years. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2016 , 71, 87-97	4.6	42
56	The relationship between computer experience and computerized cognitive test performance among older adults. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2013 , 68, 337-46	4.6	40
55	Evaluating the Driving Ability of Older Adults. <i>Journal of Applied Gerontology</i> , 1994 , 13, 20-38	3.3	39
54	Self-rated driving and driving safety in older adults. <i>Accident Analysis and Prevention</i> , 2012 , 48, 523-7	6.1	38
53	Association between higher order visual processing abilities and a history of motor vehicle collision involvement by drivers ages 70 and over 2013 , 54, 778-82		38
52	Cognitive and Everyday Functioning in Older and Younger Adults with and without HIV. <i>Clinical Gerontologist</i> , 2011 , 34, 413-426	2.7	38
51	Mental stimulation, neural plasticity, and aging: directions for nursing research and practice. <i>Journal of Neuroscience Nursing</i> , 2008 , 40, 241-9	1.5	35
50	Longitudinal relationships between subjective fatigue, cognitive function, and everyday functioning in old age. <i>International Psychogeriatrics</i> , 2013 , 25, 275-85	3.4	34

49	The Indiana Alzheimer Disease Center's Symposium on Mild Cognitive Impairment. Cognitive training in older adults: lessons from the ACTIVE Study. <i>Current Alzheimer Research</i> , 2009 , 6, 375-83	3	34
48	Association of physical activity and visual attention in older adults. <i>Journal of Aging and Health</i> , 2003 , 15, 534-47	2.6	34
47	Subjective cognitive function and decline among older adults with psychometrically defined amnesic MCI. <i>International Journal of Geriatric Psychiatry</i> , 2006 , 21, 1187-92	3.9	33
46	Cognitive Functioning in Adults Aging with HIV: A Cross-Sectional Analysis of Cognitive Subtypes and Influential Factors 2014 , 1, 155-169		33
45	Assessing Visual Function in the Older Driver. <i>Clinics in Geriatric Medicine</i> , 1993 , 9, 389-401	3.8	31
44	Dissociations in visual attention deficits among persons with mild cognitive impairment. <i>Aging, Neuropsychology, and Cognition</i> , 2008 , 15, 492-505	2.1	29
43	What predicts changes in useful field of view test performance?. <i>Psychology and Aging</i> , 2008 , 23, 917-27	3.6	28
42	Predictors of falling in older Maryland drivers: a structural-equation model. <i>Journal of Aging and Physical Activity</i> , 2006 , 14, 254-69	1.6	25
41	A cost-benefit analysis of risk-reduction strategies targeted at older drivers. <i>Traffic Injury Prevention</i> , 2006 , 7, 352-9	1.8	24
40	Driving competence: it's not a matter of age. <i>Journal of the American Geriatrics Society</i> , 2003 , 51, 1499-506	3.6	24
39	Interventions to maintain mobility: What works?. <i>Accident Analysis and Prevention</i> , 2013 , 61, 167-96	6.1	23
38	The ACTIVE cognitive training interventions and trajectories of performance among older adults. <i>Journal of Aging and Health</i> , 2013 , 25, 186S-208S	2.6	21
37	Adaptive processing of visual motion.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 1981 , 7, 780-794	2.6	21
36	Computer and Videogame Interventions for Older Adults' Cognitive and Everyday Functioning. <i>Games for Health Journal</i> , 2019 , 8, 129-143	4.2	20
35	The Impact of Three Cognitive Training Programs on Driving Cessation Across 10 Years: A Randomized Controlled Trial. <i>Gerontologist</i> , 2017 , 57, 838-846	5	17
34	Race-related disparities in 5-year cognitive level and change in untrained ACTIVE participants. <i>Journal of Aging and Health</i> , 2013 , 25, 103S-27S	2.6	17
33	Physical Activity and Cognitive Function in Older Adults: The Mediating Effect of Depressive Symptoms. <i>Journal of Neuroscience Nursing</i> , 2016 , 48, E2-E12	1.5	17
32	Driving-Related Cognitive Performance in Older Adults with Pharmacologically Treated Cardiovascular Disease. <i>Clinical Gerontologist</i> , 2010 , 33, 109-123	2.7	15

31	Indicators of Self-rated Driving across 3 Years among a Community-based Sample of Older Adults. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2010 , 13, 307-314	4.5	14
30	Lower hippocampal volume predicts decrements in lane control among drivers with amnesic mild cognitive impairment. <i>Journal of Geriatric Psychiatry and Neurology</i> , 2013 , 26, 259-66	3.8	13
29	Effect of transcranial direct current stimulation combined with cognitive training on cognitive functioning in older adults with HIV: A pilot study. <i>Applied Neuropsychology Adult</i> , 2019 , 26, 36-47	1.9	13
28	Self-regulation of driving in the context of impaired visual attention: Are there gender differences?. <i>Rehabilitation Psychology</i> , 2007 , 52, 421-428	2.7	12
27	Mild Cognitive Impairment and Changes in Everyday Function Over Time: The Importance of Evaluating Both Speed and Accuracy. <i>Journal of Geriatric Psychiatry and Neurology</i> , 2017 , 30, 220-227	3.8	10
26	Cognitive Skills: Training, Maintenance, and Daily Usage 2004 , 387-392		10
25	Phonological, visual and temporal processing in adults with and without reading disability. <i>Reading and Writing</i> , 2003 , 16, 737-758	2.1	10
24	Testing a Computerized Cognitive Training Protocol in Adults Aging With HIV-Associated Neurocognitive Disorders: Randomized Controlled Trial Rationale and Protocol. <i>JMIR Research Protocols</i> , 2017 , 6, e68	2	10
23	Real-world evaluation of visual function. <i>Ophthalmology Clinics of North America</i> , 2003 , 16, 289-98		9
22	Relation of Useful Field of View and other Screening Tests to on-Road Driving Performance		6
21	The Older Driver (Training and Assessment 2011 ,		5
20	Cognitive remediation therapies for older adults: implications for nursing practice and research. <i>Journal of Neuroscience Nursing</i> , 2007 , 39, 226-31	1.5	5
19	Pedestrian safety in patients with Parkinson's disease: A case-control study. <i>Movement Disorders</i> , 2017 , 32, 1748-1755	7	4
18	Emerging issues in safe and sustainable mobility for older persons. <i>Accident Analysis and Prevention</i> , 2013 , 61, 138-40	6.1	4
17	Obstacles to implementing research outcomes in community settings. <i>Gerontologist, The</i> , 2003 , 43 Spec No 1, 29-36	5	4
16	Can Individualized-Targeted Computerized Cognitive Training Benefit Adults with HIV-Associated Neurocognitive Disorder? The Training on Purpose Study (TOPS). <i>AIDS and Behavior</i> , 2021 , 25, 3898-3908	4.3	4
15	THE RELATIONSHIP OF MEMORY, REASONING, AND SPEED OF PROCESSING ON FALLING AMONG OLDER ADULTS. <i>Physical and Occupational Therapy in Geriatrics</i> , 2008 , 27, 212-228	1.1	3
14	Correlates of Individual Physical Activities in Older Adults. <i>Activities, Adaptation and Aging</i> , 2007 , 31, 1-21	0.7	3

13	Can individualized-targeted computerized cognitive training improve everyday functioning in adults with HIV-associated neurocognitive disorder?. <i>Applied Neuropsychology Adult</i> , 2021 , 1-12	1.9	3
12	Isolating Risk Factors for Crash Frequency among Older Drivers. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 1993 , 37, 211-214	0.4	2
11	Neural Underpinnings of Financial Decision Bias in Older Adults: Putative Theoretical Models and a Way to Reconcile Them. <i>Frontiers in Neuroscience</i> , 2019 , 13, 184	5.1	1
10	A Longitudinal Investigation of Falls and Motor Vehicle Crashes in Older Drivers. <i>Journal of Aging and Health</i> , 2020 , 32, 1258-1266	2.6	1
9	What Factors Influence the Relationship Between Feedback on Cognitive Performance and Subsequent Driving Self-Regulation?. <i>Journal of Applied Gerontology</i> , 2016 , 35, 653-63	3.3	1
8	Cognitive reserve attenuates the association between HIV serostatus and cognitive performance in adults living in the deep South. <i>Applied Neuropsychology Adult</i> , 2020 , 1-10	1.9	1
7	The Association of Persistent Low Back Pain With Older Adult Falls and Collisions: A Longitudinal Analysis. <i>Journal of Applied Gerontology</i> , 2021 , 40, 1455-1464	3.3	1
6	Psychophysics of Motion Perception 1982 , 81-100		1
5	Rural-Urban Differences in Cognition: Findings From the Advanced Cognitive Training for Independent and Vital Elderly Trial. <i>Journal of Aging and Health</i> , 089826432211027	2.6	0
4	Older Veterans EmpoweRed To Use Regular Exercise (OVERTURE) II: Design and methods of a randomized controlled trial among older veterans with chronic health conditions. <i>Contemporary Clinical Trials Communications</i> , 2019 , 15, 100395	1.8	
3	Self-regulation of driving in the context of impaired visual attention: Are there gender differences?. <i>Translational Issues in Psychological Science</i> , 2014 , 1, 11-22	1.7	
2	Feasibility of cognitive rehabilitation in patients with advanced multiple sclerosis: A pilot study.. <i>Multiple Sclerosis Journal - Experimental, Translational and Clinical</i> , 2021 , 7, 20552173211064473	2	
1	Indicators of Crash Risk in Older Adults: A Longitudinal Analysis From the ACTIVE Study. <i>Journal of Aging and Health</i> , 2021 , 8982643211031346	2.6	