Kristen M Kennedy

List of Publications by Citations

127 papers	15,141 citations	58 h-index	123 g-index
138 ext. papers	17,529 ext. citations	5.6 avg, IF	6.65 L-index

#	Paper	IF	Citations
127	Regional brain changes in aging healthy adults: general trends, individual differences and modifiers. *Cerebral Cortex*, **2005**, 15, 1676-89	5.1	1936
126	Automatic parcellation of human cortical gyri and sulci using standard anatomical nomenclature. *NeuroImage*, **2010**, 53, 1-15	7.9	1441
125	Differential aging of the brain: patterns, cognitive correlates and modifiers. *Neuroscience and Biobehavioral Reviews*, **2006**, 30, 730-48	9	788
124	Aging, sexual dimorphism, and hemispheric asymmetry of the cerebral cortex: replicability of regional differences in volume. *Neurobiology of Aging*, **2004**, 25, 377-96	5.6	536
123	A theoretical framework for the study of adult cognitive plasticity. *Psychological Bulletin*, **2010**, 136, 659-76	17.1	460
122	Trajectories of brain aging in middle-aged and older adults: regional and individual differences. *NeuroImage*, **2010**, 51, 501-11	7.9	393
121	Functional alterations in memory networks in early Alzheimer\'s disease. *NeuroMolecular Medicine*, **2010**, 12, 27-43	4.6	389
120	Brain-derived neurotrophic factor is associated with age-related decline in hippocampal volume. *Journal of Neuroscience*, **2010**, 30, 5368-75	6.6	352
119	Aging white matter and cognition: differential effects of regional variations in diffusion properties on memory, executive functions, and speed. *Neuropsychologia*, **2009**, 47, 916-27	3.2	336
118	Differential aging of the medial temporal lobe: a study of a five-year change. *Neurology*, **2004**, 62, 433-8	6.5	308
117	Growth of white matter in the adolescent brain: myelin or axon?. *Brain and Cognition*, **2010**, 72, 26-35	2.7	307
116	Age-related differences in white matter microstructure: region-specific patterns of diffusivity. *NeuroImage*, **2010**, 49, 2104-12	7.9	282
115	Amyloid burden in healthy aging: regional distribution and cognitive consequences. *Neurology*, **2012**, 78, 387-95	6.5	282
114	Amyloid-associated cortical thinning in clinically normal elderly. *Annals of Neurology*, **2011**, 69, 1032-42	9.4	250
113	A multivariate analysis of age-related differences in default mode and task-positive networks across multiple cognitive domains. *Cerebral Cortex*, **2010**, 20, 1432-47	5.1	247
112	Cognition, reserve, and amyloid deposition in normal aging. *Annals of Neurology*, **2010**, 67, 353-64	9.4	246
111	Alterations in cerebral metabolic rate and blood supply across the adult lifespan. *Cerebral Cortex*, **2011**, 21, 1426-34	5.1	241

110	Relationships between β-amyloid and functional connectivity in different components of the default mode network in aging. *Cerebral Cortex*, **2011**, 21, 2399-407	5.1	229
109	Atlas-guided tract reconstruction for automated and comprehensive examination of the white matter anatomy. *NeuroImage*, **2010**, 52, 1289-301	7.9	226
108	Intrinsic connectivity between the hippocampus and posteromedial cortex predicts memory performance in cognitively intact older individuals. *NeuroImage*, **2010**, 51, 910-7	7.9	201
107	Sex- and brain size-related small-world structural cortical networks in young adults: a DTI tractography study. *Cerebral Cortex*, **2011**, 21, 449-58	5.1	201
106	Shrinkage of the entorhinal cortex over five years predicts memory performance in healthy adults. *Journal of Neuroscience*, **2004**, 24, 956-63	6.6	196
105	Vascular health and longitudinal changes in brain and cognition in middle-aged and older adults. *Neuropsychology*, **2007**, 21, 149-57	3.8	194
104	Differential aging of the human striatum: longitudinal evidence. *American Journal of Neuroradiology* , **2003**, 24, 1849-56	4.4	188
103	Risk factors for β-amyloid deposition in healthy aging: vascular and genetic effects. *JAMA Neurology*, **2013**, 70, 600-6	17.2	173
102	Age-related differences in regional brain volumes: a comparison of optimized voxel-based morphometry to manual volumetry. *Neurobiology of Aging*, **2009**, 30, 1657-76	5.6	168
101	A review of functional brain imaging correlates of successful cognitive aging. *Biological Psychiatry*, **2011**, 70, 115-22	7.9	155
100	Pattern of normal age-related regional differences in white matter microstructure is modified by vascular risk. *Brain Research*, **2009**, 1297, 41-56	3.7	153
99	Age-related regional variations of the corpus callosum identified by diffusion tensor tractography. *NeuroImage*, **2010**, 52, 20-31	7.9	146
98	Extrahippocampal contributions to age differences in human spatial navigation. *Cerebral Cortex*, **2007**, 17, 1274-82	5.1	140
97	Behavioural relevance of variation in white matter microstructure. *Current Opinion in Neurology*, **2010**, 23, 351-8	7.1	135
96	Genetic and vascular modifiers of age-sensitive cognitive skills: effects of COMT, BDNF, ApoE, and hypertension. *Neuropsychology*, **2009**, 23, 105-116	3.8	122
95	Neuroanatomical and cognitive mediators of age-related differences in episodic memory. *Neuropsychology*, **2008**, 22, 491-507	3.8	117
94	Neural broadening or neural attenuation? Investigating age-related dedifferentiation in the face network in a large lifespan sample. *Journal of Neuroscience*, **2012**, 32, 2154-8	6.6	113
93	Cortico-striatal connectivity and cognition in normal aging: a combined DTI and resting state fMRI study. *NeuroImage*, **2011**, 55, 24-31	7.9	112

92	Fractal dimension analysis of the cortical ribbon in mild Alzheimer's disease. *NeuroImage*, **2010**, 53, 471-9	7.9	112
91	Beta-amyloid deposition and the aging brain. *Neuropsychology Review*, **2009**, 19, 436-50	7.7	112
90	Discovery of cyclic acylguanidines as highly potent and selective beta-site amyloid cleaving enzyme (BACE) inhibitors: Part I--inhibitor design and validation. *Journal of Medicinal Chemistry*, **2010**, 53, 951-65	8.3	110
89	Contribution of callosal connections to the interhemispheric integration of visuomotor and cognitive processes. *Neuropsychology Review*, **2010**, 20, 174-90	7.7	104
88	Thickness of the human cerebral cortex is associated with metrics of cerebrovascular health in a normative sample of community dwelling older adults. *NeuroImage*, **2011**, 54, 2659-71	7.9	102
87	Hippocampal subfield volumes: age, vascular risk, and correlation with associative memory. *Frontiers in Aging Neuroscience*, **2011**, 3, 2	5.3	99
86	Motion-related artifacts in structural brain images revealed with independent estimates of in-scanner head motion. *Human Brain Mapping*, **2017**, 38, 472-492	5.9	98
85	Age differences in perseveration: cognitive and neuroanatomical mediators of performance on the Wisconsin Card Sorting Test. *Neuropsychologia*, **2009**, 47, 1200-3	3.2	92
84	Neuroanatomical correlates of fluid intelligence in healthy adults and persons with vascular risk factors. *Cerebral Cortex*, **2008**, 18, 718-26	5.1	92
83	Amyloid affects frontal and posterior brain networks in normal aging. *NeuroImage*, **2011**, 54, 1887-95	7.9	90
82	Interactive effects of physical activity and APOE-4 on BOLD semantic memory activation in healthy elders. *NeuroImage*, **2011**, 54, 635-44	7.9	87
81	A harmonized segmentation protocol for hippocampal and parahippocampal subregions: Why do we need one and what are the key goals?. *Hippocampus*, **2017**, 27, 3-11	3.5	84
80	Cerebral blood flow in posterior cortical nodes of the default mode network decreases with task engagement but remains higher than in most brain regions. *Cerebral Cortex*, **2011**, 21, 233-44	5.1	80
79	Age trajectories of functional activation under conditions of low and high processing demands: an adult lifespan fMRI study of the aging brain. *NeuroImage*, **2015**, 104, 21-34	7.9	76
78	Age, sex and regional brain volumes predict perceptual-motor skill acquisition. *Cortex*, **2005**, 41, 560-9	3.8	72
77	Effects of beta-amyloid accumulation on neural function during encoding across the adult lifespan. *NeuroImage*, **2012**, 62, 1-8	7.9	70
76	Age-related differences in memory-encoding fMRI responses after accounting for decline in vascular reactivity. *NeuroImage*, **2013**, 78, 415-25	7.9	69
75	Association of Longitudinal Cognitive Decline With Amyloid Burden in Middle-aged and Older Adults: Evidence for a Dose-Response Relationship. *JAMA Neurology*, **2017**, 74, 830-838	17.2	67

74	Age-related differences in white matter integrity and cognitive function are related to APOE status. *NeuroImage*, **2011**, 54, 1565-77	7.9	66
73	Amyloid load in nondemented brains correlates with APOE e4. *Neuroscience Letters*, **2010**, 473, 168-71	3.3	64
72	Detecting changes in human cerebral blood flow after acute exercise using arterial spin labeling: implications for fMRI. *Journal of Neuroscience Methods*, **2010**, 191, 258-62	3	61
71	Aging and longitudinal change in perceptual-motor skill acquisition in healthy adults. *Journals of Gerontology - Series B Psychological Sciences and Social Sciences*, **2005**, 60, P174-81	4.6	61
70	An fMRI study of episodic encoding across the lifespan: changes in subsequent memory effects are evident by middle-age. *Neuropsychologia*, **2013**, 51, 448-56	3.2	59
69	Microstructure of frontoparietal connections predicts cortical responsivity and working memory performance. *Cerebral Cortex*, **2011**, 21, 2261-71	5.1	55
68	Velocity-resolved 3D retinal microvessel imaging using single-pass flow imaging spectral domain optical coherence tomography. *Optics Express*, **2009**, 17, 4177-88	3.3	55
67	BDNF val66met polymorphism affects aging of multiple types of memory. *Brain Research*, **2015**, 1612, 104-17	3.7	49
66	A comparison of physiologic modulators of fMRI signals. *Human Brain Mapping*, **2013**, 34, 2078-88	5.9	47
65	Age-related reduction of BOLD modulation to cognitive difficulty predicts poorer task accuracy and poorer fluid reasoning ability. *NeuroImage*, **2017**, 147, 262-271	7.9	46
64	Low frequency fluctuations reveal integrated and segregated processing among the cerebral hemispheres. *NeuroImage*, **2011**, 54, 517-27	7.9	46
63	Callosal tracts and patterns of hemispheric dominance: a combined fMRI and DTI study. *NeuroImage* , **2011**, 54, 779-86	7.9	46
62	Changes in executive functions and self-efficacy are independently associated with improved usual gait speed in older women. *BMC Geriatrics*, **2010**, 10, 25	4.1	46
61	Does variability in cognitive performance correlate with frontal brain volume?. *NeuroImage*, **2013**, 64, 209-15	7.9	45
60	Protective effects of dibenzocyclooctadiene lignans from Schisandra chinensis against beta-amyloid and homocysteine neurotoxicity in PC12 cells. *Phytotherapy Research*, **2011**, 25, 435-43	6.7	44
59	Diffusion tensor imaging biomarkers for traumatic axonal injury: analysis of three analytic methods. *Journal of the International Neuropsychological Society*, **2011**, 17, 24-35	3.1	39
58	White matter deterioration in 15 months: latent growth curve models in healthy adults. *Neurobiology of Aging*, **2012**, 33, 429.e1-5	5.6	38
57	Differential age-related changes in the regional metencephalic volumes in humans: a 5-year follow-up. *Neuroscience Letters*, **2003**, 349, 163-6	3.3	38

56	Age differences in speed of processing are partially mediated by differences in axonal integrity. *NeuroImage*, **2011**, 55, 1287-97	7.9	36
55	Hormone replacement therapy and age-related brain shrinkage: regional effects. *NeuroReport*, **2004**, 15, 2531-4	1.7	36
54	Effects of age, genes, and pulse pressure on executive functions in healthy adults. *Neurobiology of Aging*, **2011**, 32, 1124-37	5.6	35
53	BDNF Val66Met polymorphism influences age differences in microstructure of the Corpus Callosum. *Frontiers in Human Neuroscience*, **2009**, 3, 19	3.3	34
52	Differential brain shrinkage over 6 months shows limited association with cognitive practice. *Brain and Cognition*, **2013**, 82, 171-80	2.7	33
51	Acceleration of hippocampal atrophy in a non-demented elderly population: the SNAC-K study. *International Psychogeriatrics*, **2010**, 22, 14-25	3.4	32
50	Influence of sample size and analytic approach on stability and interpretation of brain-behavior correlations in task-related fMRI data. *Human Brain Mapping*, **2021**, 42, 204-219	5.9	31
49	Dynamic range in BOLD modulation: lifespan aging trajectories and association with performance. *Neurobiology of Aging*, **2017**, 60, 153-163	5.6	29
48	Genetic variation in homocysteine metabolism, cognition, and white matter lesions. *Neurobiology of Aging*, **2010**, 31, 2020-2	5.6	28
47	Haplotypes of catechol-O-methyltransferase modulate intelligence-related brain white matter integrity. *NeuroImage*, **2010**, 50, 243-9	7.9	27
46	A Systems Approach to the Aging Brain: Neuroanatomic Changes, Their Modifiers, and Cognitive Correlates **2009**, 43-70		27
45	Neuroanatomical and cognitive mediators of age-related differences in perceptual priming and learning. *Neuropsychology*, **2009**, 23, 475-91	3.8	25
44	Brain-derived neurotrophic factor Val66Met and blood glucose: a synergistic effect on memory. *Frontiers in Human Neuroscience*, **2008**, 2, 12	3.3	24
43	Apolipoprotein E ε4-related thickening of the cerebral cortex modulates selective attention. *Neurobiology of Aging*, **2012**, 33, 304-322.e1	5.6	23
42	Genetic variation on the BDNF gene is not associated with differences in white matter tracts in healthy humans measured by tract-based spatial statistics. *Genes, Brain and Behavior*, **2010**, 9, 886-91	3.6	22
41	Synergistic effects of the MTHFR C677T polymorphism and hypertension on spatial navigation. *Biological Psychology*, **2009**, 80, 240-5	3.2	21
40	Disconnexion syndromes in animals and man: Part I. 1965. *Neuropsychology Review*, **2010**, 20, 128-57	7.7	21
39	The effect of beta-amyloid on face processing in young and old adults: A multivariate analysis of the BOLD signal. *Human Brain Mapping*, **2015**, 36, 2514-26	5.9	20

38	Distinct frontoparietal networks set the stage for later perceptual identification priming and episodic recognition memory. *Journal of Neuroscience*, **2010**, 30, 13272-80	6.6	20
37	Adult age differences and the role of cognitive resources in perceptual-motor skill acquisition: application of a multilevel negative exponential model. *Journals of Gerontology - Series B Psychological Sciences and Social Sciences*, **2010**, 65B, 163-73	4.6	20
36	Life span adult faces: norms for age, familiarity, memorability, mood, and picture quality. *Experimental Aging Research*, **2009**, 35, 268-75	1.7	19
35	Age-related differences in acquisition of perceptual-motor skills: working memory as a mediator. *Aging, Neuropsychology, and Cognition*, **2008**, 15, 165-83	2.1	19
34	Discrepancies between fluid and crystallized ability in healthy adults: a behavioral marker of preclinical Alzheimer's disease. *Neurobiology of Aging*, **2016**, 46, 68-75	5.6	18
33	Joint contributions of cortical morphometry and white matter microstructure in healthy brain aging: A partial least squares correlation analysis. *Human Brain Mapping*, **2019**, 40, 5315-5329	5.9	18
32	Both hyper- and hypo-activation to cognitive challenge are associated with increased beta-amyloid deposition in healthy aging: A nonlinear effect. *NeuroImage*, **2018**, 166, 285-292	7.9	16
31	Amyloid deposition in younger adults is linked to episodic memory performance. *Neurology*, **2016**, 87, 2562-2566	6.5	16
30	Progress update from the hippocampal subfields group. *Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring*, **2019**, 11, 439-449	5.2	16
29	APOE ε4 Genotype and Hypertension Modify 8-year Cortical Thinning: Five Occasion Evidence from the Seattle Longitudinal Study. *Cerebral Cortex*, **2018**, 28, 1934-1945	5.1	14
28	Association between subjective memory assessment and associative memory performance: Role of ad risk factors. *Psychology and Aging*, **2018**, 33, 109-118	3.6	14
27	The role of hippocampal subfield volume and fornix microstructure in episodic memory across the lifespan. *Hippocampus*, **2019**, 29, 1206-1223	3.5	12
26	The Cognitive Consequences of Structural Changes to the Aging Brain **2011**, 73-91		12
25	Striatal iron content is linked to reduced fronto-striatal brain function under working memory load. *NeuroImage*, **2020**, 210, 116544	7.9	11
24	Genetic predisposition for inflammation exacerbates effects of striatal iron content on cognitive switching ability in healthy aging. *NeuroImage*, **2019**, 185, 471-478	7.9	11
23	Differential Aging Trajectories of Modulation of Activation to Cognitive Challenge in APOE ε4 Groups: Reduced Modulation Predicts Poorer Cognitive Performance. *Journal of Neuroscience*, **2017**, 37, 6894-6901	6.6	10
22	Frontoparietal cortical thickness mediates the effect of COMT ValMet polymorphism on age-associated executive function. *Neurobiology of Aging*, **2019**, 73, 104-114	5.6	9
21	Contributions of White Matter Connectivity and BOLD Modulation to Cognitive Aging: A Lifespan Structure-Function Association Study. *Cerebral Cortex*, **2020**, 30, 1649-1661	5.1	9

20	Fragmented pictures revisited: long-term changes in repetition priming, relation to skill learning, and the role of cognitive resources. *Gerontology*, **2007**, 53, 148-58	5.5	8
19	White Matter Degradation is Associated with Reduced Financial Capacity in Mild Cognitive Impairment and Alzheimer\'s Disease. *Journal of Alzheimers Disease*, **2017**, 60, 537-547	4.3	7
18	Exploring interhemispheric collaboration in older compared to younger adults. *Brain and Cognition*, **2010**, 72, 218-27	2.7	7
17	A switch-on fluorescence assay for bacterial β-lactamases with amyloid fibrils as fluorescence enhancer and visual tool. *Chemistry - A European Journal*, **2010**, 16, 13367-71	4.8	7
16	Greater BOLD Variability is Associated With Poorer Cognitive Function in an Adult Lifespan Sample. *Cerebral Cortex*, **2021**, 31, 562-574	5.1	7
15	Increasing beta-amyloid deposition in cognitively healthy aging predicts nonlinear change in BOLD modulation to difficulty. *NeuroImage*, **2018**, 183, 142-149	7.9	6
14	The effect of substrate material on silver nanoparticle antimicrobial efficacy. *Journal of Nanoscience and Nanotechnology*, **2010**, 10, 8456-62	1.3	6
13	A BOLD move: clinical application of fMRI in aging. *Neurology*, **2010**, 74, 1940-1	6.5	5
12	Defaulting on the default network: increased risk for dementia. *Neurology*, **2011**, 76, 498-500	6.5	5
11	Beta-amyloid burden predicts poorer mnemonic discrimination in cognitively normal older adults. *NeuroImage*, **2020**, 221, 117199	7.9	5
10	Contribution of iron and Aβ to age differences in entorhinal and hippocampal subfield volume. *Neurology*, **2020**, 95, e2586-e2594	6.5	5
9	Functional magnetic resonance imaging data of incremental increases in visuo-spatial difficulty in an adult lifespan sample. *Data in Brief*, **2017**, 11, 54-60	1.2	4
8	White Matter Microstructure Predicts Focal and Broad Functional Brain Dedifferentiation in Normal Aging. *Journal of Cognitive Neuroscience*, **2020**, 32, 1536-1549	3.1	4
7	Cortical thickness mediates the relationship between DRD2 C957T polymorphism and executive function across the adult lifespan. *Brain Structure and Function*, **2021**, 226, 121-136	4	3
6	The effect of vascular health factors on white matter microstructure mediates age-related differences in executive function performance. *Cortex*, **2021**, 141, 403-420	3.8	3
5	Age moderates the relationship between cortical thickness and cognitive performance. *Neuropsychologia*, **2019**, 132, 107136	3.2	2
4	Cortisol relates to regional limbic system structure in older but not younger adults. *Psychoneuroendocrinology*, **2019**, 101, 111-120	5	2
3	Frontostriatal white matter connectivity: age differences and associations with cognition and BOLD modulation. *Neurobiology of Aging*, **2020**, 94, 154-163	5.6	1

2	Functional Connectivity Within and Between -Back Modulated Regions: An Adult Lifespan Psychophysiological Interaction Investigation. *Brain Connectivity*, **2021**, 11, 103-118	2.7	1
1	Functional activation features of memory in successful agers across the adult lifespan.. *NeuroImage* , **2022**, 257, 119276	7.9	0