Kristen M Kennedy

List of Publications by Year
in descending order

131 papers	19,232 citations	19636 61 h-index	15249 126 g-index
138 all docs	138 docs citations	138 times ranked	20703 citing authors

#	Article	IF	Citations
1	Functional activation features of memory in successful agers across the adult lifespan. NeuroImage, 2022, 257, 119276.	2.1	8
2	Aerobic exercise training and neurocognitive function in cognitively normal older adults: A oneâ€year randomized controlled trial. Journal of Internal Medicine, 2022, 292, 788-803.	2.7	14
3	Cortical thickness mediates the relationship between DRD2 C957T polymorphism and executive function across the adult lifespan. Brain Structure and Function, 2021, 226, 121-136.	1.2	3
4	Influence of sample size and analytic approach on stability and interpretation of brainâ€behavior correlations in taskâ€related <scp>fMRI</scp> data. Human Brain Mapping, 2021, 42, 204-219.	1.9	93
5	Greater BOLD Variability is Associated With Poorer Cognitive Function in an Adult Lifespan Sample. Cerebral Cortex, 2021, 31, 562-574.	1.6	23
6	Functional Connectivity Within and Between n-Back Modulated Regions: An Adult Lifespan Psychophysiological Interaction Investigation. Brain Connectivity, 2021, 11, 103-118.	0.8	8
7	The effect of vascular health factors on white matter microstructure mediates age-related differences in executive function performance. Cortex, 2021, 141, 403-420.	1.1	11
8	Contributions of White Matter Connectivity and BOLD Modulation to Cognitive Aging: A Lifespan Structure-Function Association Study. Cerebral Cortex, 2020, 30, 1649-1661.	1.6	20
9	Beta-amyloid burden predicts poorer mnemonic discrimination in cognitively normal older adults. NeuroImage, 2020, 221, 117199.	2.1	13
10	Contribution of iron and AÎ² to age differences in entorhinal and hippocampal subfield volume. Neurology, 2020, 95, e2586-e2594.	1.5	11
11	White Matter Microstructure Predicts Focal and Broad Functional Brain Dedifferentiation in Normal Aging. Journal of Cognitive Neuroscience, 2020, 32, 1536-1549.	1.1	7
12	Frontostriatal white matter connectivity: age differences and associations with cognition and BOLD modulation. Neurobiology of Aging, 2020, 94, 154-163.	1.5	7
13	Striatal iron content is linked to reduced fronto-striatal brain function under working memory load. NeuroImage, 2020, 210, 116544.	2.1	23
14	Current themes and issues in neuroimaging of aging processes: Editorial overview to the special issue on imaging the nonpathological aging brain. NeuroImage, 2019, 201, 116046.	2.1	0
15	Age moderates the relationship between cortical thickness and cognitive performance. Neuropsychologia, 2019, 132, 107136.	0.7	10
16	The role of hippocampal subfield volume and fornix microstructure in episodic memory across the lifespan. Hippocampus, 2019, 29, 1206-1223.	0.9	30
17	Progress update from the hippocampal subfields group. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2019, 11, 439-449.	1.2	34
18	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.	1.9	35

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19	Genetic predisposition for inflammation exacerbates effects of striatal iron content on cognitive switching ability in healthy aging. NeuroImage, 2019, 185, 471-478.	2.1	14
20	Cortisol relates to regional limbic system structure in older but not younger adults. Psychoneuroendocrinology, 2019, 101, 111-120.	1.3	5
21	Frontoparietal cortical thickness mediates the effect of COMT ValMet polymorphism on age-associated executive function. Neurobiology of Aging, 2019, 73, 104-114.	1.5	11
22	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.	2.1	30
23	APOEÎµ4 Genotype and Hypertension Modify 8-year Cortical Thinning: Five Occasion Evidence from the Seattle Longitudinal Study. Cerebral Cortex, 2018, 28, 1934-1945.	1.6	21
24	Increasing beta-amyloid deposition in cognitively healthy aging predicts nonlinear change in BOLD modulation to difficulty. NeuroImage, 2018, 183, 142-149.	2.1	10
25	Association between subjective memory assessment and associative memory performance: Role of ad risk factors.. Psychology and Aging, 2018, 33, 109-118.	1.4	20
26	Association of Longitudinal Cognitive Decline With Amyloid Burden in Middle-aged and Older Adults. JAMA Neurology, 2017, 74, 830.	4.5	87
27	Functional magnetic resonance imaging data of incremental increases in visuo-spatial difficulty in an adult lifespan sample. Data in Brief, 2017, 11, 54-60.	0.5	5
28	Age-related reduction of BOLD modulation to cognitive difficulty predicts poorer task accuracy and poorer fluid reasoning ability. NeuroImage, 2017, 147, 262-271.	2.1	62
29	Dynamic range in BOLD modulation: lifespan aging trajectories and association with performance. Neurobiology of Aging, 2017, 60, 153-163.	1.5	49
30	Differential Aging Trajectories of Modulation of Activation to Cognitive Challenge in APOE Îµ4 Groups: Reduced Modulation Predicts Poorer Cognitive Performance. Journal of Neuroscience, 2017, 37, 6894-6901.	1.7	13
31	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.	0.9	130
32	Motionâ€related artifacts in structural brain images revealed with independent estimates of inâ€scanner head motion. Human Brain Mapping, 2017, 38, 472-492.	1.9	151
33	White Matter Degradation is Associated with Reduced Financial Capacity in Mild Cognitive Impairment and Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2017, 60, 537-547.	1.2	14
34	Amyloid deposition in younger adults is linked to episodic memory performance. Neurology, 2016, 87, 2562-2566.	1.5	27
35	Discrepancies between fluid and crystallized ability in healthy adults: a behavioral marker of preclinical Alzheimer's disease. Neurobiology of Aging, 2016, 46, 68-75.	1.5	32
36	The effect of betaâ€amyloid on face processing in young and old adults: A multivariate analysis of the BOLD signal. Human Brain Mapping, 2015, 36, 2514-2526.	1.9	25

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37	BDNF val66met polymorphism affects aging of multiple types of memory. Brain Research, 2015, 1612, 104-117.	1.1	65
38	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.	2.1	97
39	A comparison of physiologic modulators of fMRI signals. Human Brain Mapping, 2013, 34, 2078-2088.	1.9	56
40	Age-related differences in memory-encoding fMRI responses after accounting for decline in vascular reactivity. NeuroImage, 2013, 78, 415-425.	2.1	92
41	An fMRI study of episodic encoding across the lifespan: Changes in subsequent memory effects are evident by middle-age. Neuropsychologia, 2013, 51, 448-456.	0.7	75
42	Differential brain shrinkage over 6months shows limited association with cognitive practice. Brain and Cognition, 2013, 82, 171-180.	0.8	42
43	Does variability in cognitive performance correlate with frontal brain volume?. NeuroImage, 2013, 64, 209-215.	2.1	53
44	Risk Factors for Î²-Amyloid Deposition in Healthy Aging. JAMA Neurology, 2013, 70, 600.	4.5	216
45	Î²-Amyloid burden in healthy aging. Neurology, 2012, 78, 387-395.	1.5	338
46	Neural Broadening or Neural Attenuation? Investigating Age-Related Dedifferentiation in the Face Network in a Large Lifespan Sample. Journal of Neuroscience, 2012, 32, 2154-2158.	1.7	152
47	Apolipoprotein E Îµ4-related thickening of the cerebral cortex modulates selective attention. Neurobiology of Aging, 2012, 33, 304-322.e1.	1.5	26
48	White matter deterioration in 15 months: latent growth curve models in healthy adults. Neurobiology of Aging, 2012, 33, 429.e1-429.e5.	1.5	41
49	Effects of beta-amyloid accumulation on neural function during encoding across the adult lifespan. NeuroImage, 2012, 62, 1-8.	2.1	84
50	Protective effects of dibenzocyclooctadiene lignans from Schisandra chinensis against betaâ€amyloid and homocysteine neurotoxicity in PC12 cells. Phytotherapy Research, 2011, 25, 435-443.	2.8	53
51	A Review of Functional Brain Imaging Correlates of Successful Cognitive Aging. Biological Psychiatry, 2011, 70, 115-122.	0.7	181
52	Age differences in speed of processing are partially mediated by differences in axonal integrity. NeuroImage, 2011, 55, 1287-1297.	2.1	38
53	Low frequency fluctuations reveal integrated and segregated processing among the cerebral hemispheres. NeuroImage, 2011, 54, 517-527.	2.1	54
54	Interactive effects of physical activity and APOE-Îµ4 on BOLD semantic memory activation in healthy elders. NeuroImage, 2011, 54, 635-644.	2.1	100

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55	Age-related differences in white matter integrity and cognitive function are related to APOE status. NeuroImage, 2011, 54, 1565-1577.	2.1	75
56	Callosal tracts and patterns of hemispheric dominance: A combined fMRI and DTI study. NeuroImage, 2011, 54, 779-786.	2.1	58
57	Î²-Amyloid affects frontal and posterior brain networks in normal aging. NeuroImage, 2011, 54, 1887-1895.	2.1	98
58	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, 2659-2671.	2.1	122
59	Cortico-striatal connectivity and cognition in normal aging: A combined DTI and resting state fMRI study. NeuroImage, 2011, 55, 24-31.	2.1	135
60	Effects of age, genes, and pulse pressure on executive functions in healthy adults. Neurobiology of Aging, 2011, 32, 1124-1137.	1.5	42
61	Hippocampal Subfield Volumes: Age, Vascular Risk, and Correlation with Associative Memory. Frontiers in Aging Neuroscience, 2011, 3, 2.	1.7	128
62	Improvement in Physical Function with Aerobic Training in Elderly Women. Medicine and Science in Sports and Exercise, 2011, 43, 514.	0.2	0
63	Amyloidâ€Î² associated cortical thinning in clinically normal elderly. Annals of Neurology, 2011, 69, 1032-1042.	2.8	306
64	Microstructure of Frontoparietal Connections Predicts Cortical Responsivity and Working Memory Performance. Cerebral Cortex, 2011, 21, 2261-2271.	1.6	67
65	Relationships between Beta-Amyloid and Functional Connectivity in Different Components of the Default Mode Network in Aging. Cerebral Cortex, 2011, 21, 2399-2407.	1.6	306
66	Defaulting on the default network. Neurology, 2011, 76, 498-500.	1.5	6
67	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, 233-244.	1.6	99
68	Diffusion Tensor Imaging Biomarkers for Traumatic Axonal Injury: Analysis of Three Analytic Methods. Journal of the International Neuropsychological Society, 2011, 17, 24-35.	1.2	47
69	Sex- and Brain Sizeâ€“Related Small-World Structural Cortical Networks in Young Adults: A DTI Tractography Study. Cerebral Cortex, 2011, 21, 449-458.	1.6	231
70	Alterations in Cerebral Metabolic Rate and Blood Supply across the Adult Lifespan. Cerebral Cortex, 2011, 21, 1426-1434.	1.6	311
71	The Cognitive Consequences of Structural Changes to the Aging Brain. , 2011, , 73-91.		17
72	Cognition, reserve, and amyloid deposition in normal aging. Annals of Neurology, 2010, 67, 353-364.	2.8	313

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73	Behavioural relevance of variation in white matter microstructure. Current Opinion in Neurology, 2010, 23, 351-358.	1.8	152
74	A theoretical framework for the study of adult cognitive plasticity.. Psychological Bulletin, 2010, 136, 659-676.	5.5	593
75	Functional Alterations in Memory Networks in Early Alzheimerâ€™s Disease. NeuroMolecular Medicine, 2010, 12, 27-43.	1.8	497
76	Contribution of Callosal Connections to the Interhemispheric Integration of Visuomotor and Cognitive Processes. Neuropsychology Review, 2010, 20, 174-190.	2.5	143
77	Disconnexion Syndromes in Animals and Man: Part I. Neuropsychology Review, 2010, 20, 128-157.	2.5	34
78	A Switchâ€On Fluorescence Assay for Bacterial Î²â€Lactamases with Amyloid Fibrils as Fluorescence Enhancer and Visual Tool. Chemistry - A European Journal, 2010, 16, 13367-13371.	1.7	8
79	Detecting changes in human cerebral blood flow after acute exercise using arterial spin labeling: Implications for fMRI. Journal of Neuroscience Methods, 2010, 191, 258-262.	1.3	76
80	Changes in executive functions and self-efficacy are independently associated with improved usual gait speed in older women. BMC Geriatrics, 2010, 10, 25.	1.1	55
81	Genetic variation on the BDNF gene is not associated with differences in white matter tracts in healthy humans measured by tractâ€based spatial statistics. Genes, Brain and Behavior, 2010, 9, 886-891.	1.1	25
82	Acceleration of hippocampal atrophy in a non-demented elderly population: the SNAC-K study. International Psychogeriatrics, 2010, 22, 14-25.	0.6	38
83	Distinct Frontoparietal Networks Set the Stage for Later Perceptual Identification Priming and Episodic Recognition Memory. Journal of Neuroscience, 2010, 30, 13272-13280.	1.7	23
84	A Multivariate Analysis of Age-Related Differences in Default Mode and Task-Positive Networks across Multiple Cognitive Domains. Cerebral Cortex, 2010, 20, 1432-1447.	1.6	286
85	Adult Age Differences and the Role of Cognitive Resources in Perceptualâ€“Motor Skill Acquisition: Application of a Multilevel Negative Exponential Model. Journals of Gerontology - Series B Psychological Sciences and Social Sciences, 2010, 65B, 163-173.	2.4	25
86	Brain-Derived Neurotrophic Factor Is Associated with Age-Related Decline in Hippocampal Volume. Journal of Neuroscience, 2010, 30, 5368-5375.	1.7	462
87	A BOLD move. Neurology, 2010, 74, 1940-1941.	1.5	7
88	The Effect of Substrate Material on Silver Nanoparticle Antimicrobial Efficacy. Journal of Nanoscience and Nanotechnology, 2010, 10, 8456-8462.	0.9	9
89	Intrinsic connectivity between the hippocampus and posteromedial cortex predicts memory performance in cognitively intact older individuals. NeuroImage, 2010, 51, 910-917.	2.1	237
90	Trajectories of brain aging in middle-aged and older adults: Regional and individual differences. NeuroImage, 2010, 51, 501-511.	2.1	504

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91	Age-related regional variations of the corpus callosum identified by diffusion tensor tractography. NeuroImage, 2010, 52, 20-31.	2.1	174
92	Atlas-guided tract reconstruction for automated and comprehensive examination of the white matter anatomy. NeuroImage, 2010, 52, 1289-1301.	2.1	277
93	Automatic parcellation of human cortical gyri and sulci using standard anatomical nomenclature. NeuroImage, 2010, 53, 1-15.	2.1	2,251
94	Fractal dimension analysis of the cortical ribbon in mild Alzheimer's disease. NeuroImage, 2010, 53, 471-479.	2.1	156
95	Amyloid load in nondemented brains correlates with APOE e4. Neuroscience Letters, 2010, 473, 168-171.	1.0	76
96	Growth of white matter in the adolescent brain: Myelin or axon?. Brain and Cognition, 2010, 72, 26-35.	0.8	372
97	Exploring interhemispheric collaboration in older compared to younger adults. Brain and Cognition, 2010, 72, 218-227.	0.8	8
98	Genetic variation in homocysteine metabolism, cognition, and white matter lesions. Neurobiology of Aging, 2010, 31, 2020-2022.	1.5	30
99	Age-related differences in white matter microstructure: Region-specific patterns of diffusivity. NeuroImage, 2010, 49, 2104-2112.	2.1	340
100	Haplotypes of catechol-O-methyltransferase modulate intelligence-related brain white matter integrity. NeuroImage, 2010, 50, 243-249.	2.1	28
101	Discovery of Cyclic Acylguanidines as Highly Potent and Selective Î²-Site Amyloid Cleaving Enzyme (BACE) Inhibitors: Part Iâ€"Inhibitor Design and Validation. Journal of Medicinal Chemistry, 2010, 53, 951-965.	2.9	120
102	BDNF val66met polymorphism influences age differences in microstructure of the corpus callosum. Frontiers in Human Neuroscience, 2009, 3, 19.	1.0	37
103	Aging white matter and cognition: Differential effects of regional variations in diffusion properties on memory, executive functions, and speed. Neuropsychologia, 2009, 47, 916-927.	0.7	398
104	Age differences in perseveration: Cognitive and neuroanatomical mediators of performance on the Wisconsin Card Sorting Test. Neuropsychologia, 2009, 47, 1200-1203.	0.7	108
105	Pattern of normal age-related regional differences in white matter microstructure is modified by vascular risk. Brain Research, 2009, 1297, 41-56.	1.1	172
106	Beta-Amyloid Deposition and the Aging Brain. Neuropsychology Review, 2009, 19, 436-450.	2.5	156
107	Life Span Adult Faces: Norms for Age, Familiarity, Memorability, Mood, and Picture Quality. Experimental Aging Research, 2009, 35, 268-275.	0.6	44
108	Synergistic effects of the MTHFR C677T polymorphism and hypertension on spatial navigation. Biological Psychology, 2009, 80, 240-245.	1.1	22

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109	Age-related differences in regional brain volumes: A comparison of optimized voxel-based morphometry to manual volumetry. Neurobiology of Aging, 2009, 30, 1657-1676.	1.5	198
110	Velocity-resolved 3D retinal microvessel imaging using single-pass flow imaging spectral domain optical coherence tomography. Optics Express, 2009, 17, 4177.	1.7	73
111	Velocity-resolved single-pass volumetric retinal flow imaging spectral domain optical coherence tomography. , 2009, , .		0
112	Genetic and vascular modifiers of age-sensitive cognitive skills: Effects of COMT, BDNF, ApoE, and hypertension.. Neuropsychology, 2009, 23, 105-116.	1.0	129
113	Neuroanatomical and cognitive mediators of age-related differences in perceptual priming and learning.. Neuropsychology, 2009, 23, 475-491.	1.0	28
114	4 A Systems Approach to the Aging Brain: Neuroanatomic Changes, Their Modifiers, and Cognitive Correlates. , 2009, , 43-70.		34
115	Age-Related Differences in Acquisition of Perceptual-Motor Skills: Working Memory as a Mediator. Aging, Neuropsychology, and Cognition, 2008, 15, 165-183.	0.7	20
116	Neuroanatomical Correlates of Fluid Intelligence in Healthy Adults and Persons with Vascular Risk Factors. Cerebral Cortex, 2008, 18, 718-726.	1.6	120
117	Neuroanatomical and cognitive mediators of age-related differences in episodic memory.. Neuropsychology, 2008, 22, 491-507.	1.0	139
118	Brain-Derived Neurotrophic Factor Val66Met and Blood Glucose: A Synergistic Effect on Memory. Frontiers in Human Neuroscience, 2008, 2, 12.	1.0	29
119	Extrahippocampal Contributions to Age Differences in Human Spatial Navigation. Cerebral Cortex, 2007, 17, 1274-1282.	1.6	165
120	Fragmented Pictures Revisited: Long-Term Changes in Repetition Priming, Relation to Skill Learning, and the Role of Cognitive Resources. Gerontology, 2007, 53, 148-158.	1.4	11
121	Vascular health and longitudinal changes in brain and cognition in middle-aged and older adults.. Neuropsychology, 2007, 21, 149-157.	1.0	225
122	Differential aging of the brain: Patterns, cognitive correlates and modifiers. Neuroscience and Biobehavioral Reviews, 2006, 30, 730-748.	2.9	953
123	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-P181.	2.4	70
124	Age, Sex and Regional Brain Volumes Predict Perceptual-Motor Skill Acquisition. Cortex, 2005, 41, 560-569.	1.1	90
125	Regional Brain Changes in Aging Healthy Adults: General Trends, Individual Differences and Modifiers. Cerebral Cortex, 2005, 15, 1676-1689.	1.6	2,331
126	Shrinkage of the Entorhinal Cortex over Five Years Predicts Memory Performance in Healthy Adults. Journal of Neuroscience, 2004, 24, 956-963.	1.7	222

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127	Differential aging of the medial temporal lobe. Neurology, 2004, 62, 433-438.	1.5	370
128	Aging, sexual dimorphism, and hemispheric asymmetry of the cerebral cortex: replicability of regional differences in volume. Neurobiology of Aging, 2004, 25, 377-396.	1.5	617
129	Hormone replacement therapy and age-related brain shrinkage: regional effects. NeuroReport, 2004, 15, 2531-2534.	0.6	37
130	Differential age-related changes in the regional metencephalic volumes in humans: a 5-year follow-up. Neuroscience Letters, 2003, 349, 163-166.	1.0	43
131	Differential aging of the human striatum: longitudinal evidence. American Journal of Neuroradiology, 2003, 24, 1849-56.	1.2	202