

Kristen M Kennedy

List of Publications by Year in descending order

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131
papers

19,232
citations

19608

61
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15218

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138
times ranked

20703
citing authors

#	ARTICLE	IF	CITATIONS
1	Regional Brain Changes in Aging Healthy Adults: General Trends, Individual Differences and Modifiers. <i>Cerebral Cortex</i> , 2005, 15, 1676-1689.	1.6	2,331
2	Automatic parcellation of human cortical gyri and sulci using standard anatomical nomenclature. <i>NeuroImage</i> , 2010, 53, 1-15.	2.1	2,251
3	Differential aging of the brain: Patterns, cognitive correlates and modifiers. <i>Neuroscience and Biobehavioral Reviews</i> , 2006, 30, 730-748.	2.9	953
4	Aging, sexual dimorphism, and hemispheric asymmetry of the cerebral cortex: replicability of regional differences in volume. <i>Neurobiology of Aging</i> , 2004, 25, 377-396.	1.5	617
5	A theoretical framework for the study of adult cognitive plasticity. <i>Psychological Bulletin</i> , 2010, 136, 659-676.	5.5	593
6	Trajectories of brain aging in middle-aged and older adults: Regional and individual differences. <i>NeuroImage</i> , 2010, 51, 501-511.	2.1	504
7	Functional Alterations in Memory Networks in Early Alzheimer's Disease. <i>NeuroMolecular Medicine</i> , 2010, 12, 27-43.	1.8	497
8	Brain-Derived Neurotrophic Factor Is Associated with Age-Related Decline in Hippocampal Volume. <i>Journal of Neuroscience</i> , 2010, 30, 5368-5375.	1.7	462
9	Aging white matter and cognition: Differential effects of regional variations in diffusion properties on memory, executive functions, and speed. <i>Neuropsychologia</i> , 2009, 47, 916-927.	0.7	398
10	Growth of white matter in the adolescent brain: Myelin or axon?. <i>Brain and Cognition</i> , 2010, 72, 26-35.	0.8	372
11	Differential aging of the medial temporal lobe. <i>Neurology</i> , 2004, 62, 433-438.	1.5	370
12	Age-related differences in white matter microstructure: Region-specific patterns of diffusivity. <i>NeuroImage</i> , 2010, 49, 2104-2112.	2.1	340
13	β -Amyloid burden in healthy aging. <i>Neurology</i> , 2012, 78, 387-395.	1.5	338
14	Cognition, reserve, and amyloid deposition in normal aging. <i>Annals of Neurology</i> , 2010, 67, 353-364.	2.8	313
15	Alterations in Cerebral Metabolic Rate and Blood Supply across the Adult Lifespan. <i>Cerebral Cortex</i> , 2011, 21, 1426-1434.	1.6	311
16	Amyloid β associated cortical thinning in clinically normal elderly. <i>Annals of Neurology</i> , 2011, 69, 1032-1042.	2.8	306
17	Relationships between Beta-Amyloid and Functional Connectivity in Different Components of the Default Mode Network in Aging. <i>Cerebral Cortex</i> , 2011, 21, 2399-2407.	1.6	306
18	A Multivariate Analysis of Age-Related Differences in Default Mode and Task-Positive Networks across Multiple Cognitive Domains. <i>Cerebral Cortex</i> , 2010, 20, 1432-1447.	1.6	286

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19	Atlas-guided tract reconstruction for automated and comprehensive examination of the white matter anatomy. <i>NeuroImage</i> , 2010, 52, 1289-1301.	2.1	277
20	Intrinsic connectivity between the hippocampus and posteromedial cortex predicts memory performance in cognitively intact older individuals. <i>NeuroImage</i> , 2010, 51, 910-917.	2.1	237
21	Sex- and Brain Size-Related Small-World Structural Cortical Networks in Young Adults: A DTI Tractography Study. <i>Cerebral Cortex</i> , 2011, 21, 449-458.	1.6	231
22	Vascular health and longitudinal changes in brain and cognition in middle-aged and older adults. <i>Neuropsychology</i> , 2007, 21, 149-157.	1.0	225
23	Shrinkage of the Entorhinal Cortex over Five Years Predicts Memory Performance in Healthy Adults. <i>Journal of Neuroscience</i> , 2004, 24, 956-963.	1.7	222
24	Risk Factors for β -Amyloid Deposition in Healthy Aging. <i>JAMA Neurology</i> , 2013, 70, 600.	4.5	216
25	Differential aging of the human striatum: longitudinal evidence. <i>American Journal of Neuroradiology</i> , 2003, 24, 1849-56.	1.2	202
26	Age-related differences in regional brain volumes: A comparison of optimized voxel-based morphometry to manual volumetry. <i>Neurobiology of Aging</i> , 2009, 30, 1657-1676.	1.5	198
27	A Review of Functional Brain Imaging Correlates of Successful Cognitive Aging. <i>Biological Psychiatry</i> , 2011, 70, 115-122.	0.7	181
28	Age-related regional variations of the corpus callosum identified by diffusion tensor tractography. <i>NeuroImage</i> , 2010, 52, 20-31.	2.1	174
29	Pattern of normal age-related regional differences in white matter microstructure is modified by vascular risk. <i>Brain Research</i> , 2009, 1297, 41-56.	1.1	172
30	Extrahippocampal Contributions to Age Differences in Human Spatial Navigation. <i>Cerebral Cortex</i> , 2007, 17, 1274-1282.	1.6	165
31	Beta-Amyloid Deposition and the Aging Brain. <i>Neuropsychology Review</i> , 2009, 19, 436-450.	2.5	156
32	Fractal dimension analysis of the cortical ribbon in mild Alzheimer's disease. <i>NeuroImage</i> , 2010, 53, 471-479.	2.1	156
33	Behavioural relevance of variation in white matter microstructure. <i>Current Opinion in Neurology</i> , 2010, 23, 351-358.	1.8	152
34	Neural Broadening or Neural Attenuation? Investigating Age-Related Dedifferentiation in the Face Network in a Large Lifespan Sample. <i>Journal of Neuroscience</i> , 2012, 32, 2154-2158.	1.7	152
35	Motion-related artifacts in structural brain images revealed with independent estimates of in-scanner head motion. <i>Human Brain Mapping</i> , 2017, 38, 472-492.	1.9	151
36	Contribution of Callosal Connections to the Interhemispheric Integration of Visuomotor and Cognitive Processes. <i>Neuropsychology Review</i> , 2010, 20, 174-190.	2.5	143

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37	Neuroanatomical and cognitive mediators of age-related differences in episodic memory.. <i>Neuropsychology</i> , 2008, 22, 491-507.	1.0	139
38	Cortico-striatal connectivity and cognition in normal aging: A combined DTI and resting state fMRI study. <i>NeuroImage</i> , 2011, 55, 24-31.	2.1	135
39	A harmonized segmentation protocol for hippocampal and parahippocampal subregions: Why do we need one and what are the key goals?. <i>Hippocampus</i> , 2017, 27, 3-11.	0.9	130
40	Genetic and vascular modifiers of age-sensitive cognitive skills: Effects of COMT, BDNF, ApoE, and hypertension.. <i>Neuropsychology</i> , 2009, 23, 105-116.	1.0	129
41	Hippocampal Subfield Volumes: Age, Vascular Risk, and Correlation with Associative Memory. <i>Frontiers in Aging Neuroscience</i> , 2011, 3, 2.	1.7	128
42	Thickness of the human cerebral cortex is associated with metrics of cerebrovascular health in a normative sample of community dwelling older adults. <i>NeuroImage</i> , 2011, 54, 2659-2671.	2.1	122
43	Neuroanatomical Correlates of Fluid Intelligence in Healthy Adults and Persons with Vascular Risk Factors. <i>Cerebral Cortex</i> , 2008, 18, 718-726.	1.6	120
44	Discovery of Cyclic Acylguanidines as Highly Potent and Selective β -Site Amyloid Cleaving Enzyme (BACE) Inhibitors: Part I – Inhibitor Design and Validation. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 951-965.	2.9	120
45	Age differences in perseveration: Cognitive and neuroanatomical mediators of performance on the Wisconsin Card Sorting Test. <i>Neuropsychologia</i> , 2009, 47, 1200-1203.	0.7	108
46	Interactive effects of physical activity and APOE- ϵ 4 on BOLD semantic memory activation in healthy elders. <i>NeuroImage</i> , 2011, 54, 635-644.	2.1	100
47	Cerebral Blood Flow in Posterior Cortical Nodes of the Default Mode Network Decreases with Task Engagement but Remains Higher than in Most Brain Regions. <i>Cerebral Cortex</i> , 2011, 21, 233-244.	1.6	99
48	β -Amyloid affects frontal and posterior brain networks in normal aging. <i>NeuroImage</i> , 2011, 54, 1887-1895.	2.1	98
49	Age trajectories of functional activation under conditions of low and high processing demands: An adult lifespan fMRI study of the aging brain. <i>NeuroImage</i> , 2015, 104, 21-34.	2.1	97
50	Influence of sample size and analytic approach on stability and interpretation of brain-behavior correlations in task-related fMRI data. <i>Human Brain Mapping</i> , 2021, 42, 204-219.	1.9	93
51	Age-related differences in memory-encoding fMRI responses after accounting for decline in vascular reactivity. <i>NeuroImage</i> , 2013, 78, 415-425.	2.1	92
52	Age, Sex and Regional Brain Volumes Predict Perceptual-Motor Skill Acquisition. <i>Cortex</i> , 2005, 41, 560-569.	1.1	90
53	Association of Longitudinal Cognitive Decline With Amyloid Burden in Middle-aged and Older Adults. <i>JAMA Neurology</i> , 2017, 74, 830.	4.5	87
54	Effects of beta-amyloid accumulation on neural function during encoding across the adult lifespan. <i>NeuroImage</i> , 2012, 62, 1-8.	2.1	84

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55	Detecting changes in human cerebral blood flow after acute exercise using arterial spin labeling: Implications for fMRI. <i>Journal of Neuroscience Methods</i> , 2010, 191, 258-262.	1.3	76
56	Amyloid load in nondemented brains correlates with APOE e4. <i>Neuroscience Letters</i> , 2010, 473, 168-171.	1.0	76
57	Age-related differences in white matter integrity and cognitive function are related to APOE status. <i>NeuroImage</i> , 2011, 54, 1565-1577.	2.1	75
58	An fMRI study of episodic encoding across the lifespan: Changes in subsequent memory effects are evident by middle-age. <i>Neuropsychologia</i> , 2013, 51, 448-456.	0.7	75
59	Velocity-resolved 3D retinal microvessel imaging using single-pass flow imaging spectral domain optical coherence tomography. <i>Optics Express</i> , 2009, 17, 4177.	1.7	73
60	Aging and Longitudinal Change in Perceptual-Motor Skill Acquisition in Healthy Adults. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2005, 60, P174-P181.	2.4	70
61	Microstructure of Frontoparietal Connections Predicts Cortical Responsivity and Working Memory Performance. <i>Cerebral Cortex</i> , 2011, 21, 2261-2271.	1.6	67
62	BDNF val66met polymorphism affects aging of multiple types of memory. <i>Brain Research</i> , 2015, 1612, 104-117.	1.1	65
63	Age-related reduction of BOLD modulation to cognitive difficulty predicts poorer task accuracy and poorer fluid reasoning ability. <i>NeuroImage</i> , 2017, 147, 262-271.	2.1	62
64	Callosal tracts and patterns of hemispheric dominance: A combined fMRI and DTI study. <i>NeuroImage</i> , 2011, 54, 779-786.	2.1	58
65	A comparison of physiologic modulators of fMRI signals. <i>Human Brain Mapping</i> , 2013, 34, 2078-2088.	1.9	56
66	Changes in executive functions and self-efficacy are independently associated with improved usual gait speed in older women. <i>BMC Geriatrics</i> , 2010, 10, 25.	1.1	55
67	Low frequency fluctuations reveal integrated and segregated processing among the cerebral hemispheres. <i>NeuroImage</i> , 2011, 54, 517-527.	2.1	54
68	Protective effects of dibenzocyclooctadiene lignans from <i>Schisandra chinensis</i> against beta-amyloid and homocysteine neurotoxicity in PC12 cells. <i>Phytotherapy Research</i> , 2011, 25, 435-443.	2.8	53
69	Does variability in cognitive performance correlate with frontal brain volume?. <i>NeuroImage</i> , 2013, 64, 209-215.	2.1	53
70	Dynamic range in BOLD modulation: lifespan aging trajectories and association with performance. <i>Neurobiology of Aging</i> , 2017, 60, 153-163.	1.5	49
71	Diffusion Tensor Imaging Biomarkers for Traumatic Axonal Injury: Analysis of Three Analytic Methods. <i>Journal of the International Neuropsychological Society</i> , 2011, 17, 24-35.	1.2	47
72	Life Span Adult Faces: Norms for Age, Familiarity, Memorability, Mood, and Picture Quality. <i>Experimental Aging Research</i> , 2009, 35, 268-275.	0.6	44

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73	Differential age-related changes in the regional metencephalic volumes in humans: a 5-year follow-up. <i>Neuroscience Letters</i> , 2003, 349, 163-166.	1.0	43
74	Effects of age, genes, and pulse pressure on executive functions in healthy adults. <i>Neurobiology of Aging</i> , 2011, 32, 1124-1137.	1.5	42
75	Differential brain shrinkage over 6 months shows limited association with cognitive practice. <i>Brain and Cognition</i> , 2013, 82, 171-180.	0.8	42
76	White matter deterioration in 15 months: latent growth curve models in healthy adults. <i>Neurobiology of Aging</i> , 2012, 33, 429.e1-429.e5.	1.5	41
77	Acceleration of hippocampal atrophy in a non-demented elderly population: the SNAC-K study. <i>International Psychogeriatrics</i> , 2010, 22, 14-25.	0.6	38
78	Age differences in speed of processing are partially mediated by differences in axonal integrity. <i>NeuroImage</i> , 2011, 55, 1287-1297.	2.1	38
79	Hormone replacement therapy and age-related brain shrinkage: regional effects. <i>NeuroReport</i> , 2004, 15, 2531-2534.	0.6	37
80	BDNF val66met polymorphism influences age differences in microstructure of the corpus callosum. <i>Frontiers in Human Neuroscience</i> , 2009, 3, 19.	1.0	37
81	Joint contributions of cortical morphometry and white matter microstructure in healthy brain aging: A partial least squares correlation analysis. <i>Human Brain Mapping</i> , 2019, 40, 5315-5329.	1.9	35
82	4 A Systems Approach to the Aging Brain: Neuroanatomic Changes, Their Modifiers, and Cognitive Correlates. , 2009, , 43-70.		34
83	Disconnexion Syndromes in Animals and Man: Part I. <i>Neuropsychology Review</i> , 2010, 20, 128-157.	2.5	34
84	Progress update from the hippocampal subfields group. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2019, 11, 439-449.	1.2	34
85	Discrepancies between fluid and crystallized ability in healthy adults: a behavioral marker of preclinical Alzheimer's disease. <i>Neurobiology of Aging</i> , 2016, 46, 68-75.	1.5	32
86	Genetic variation in homocysteine metabolism, cognition, and white matter lesions. <i>Neurobiology of Aging</i> , 2010, 31, 2020-2022.	1.5	30
87	Both hyper- and hypo-activation to cognitive challenge are associated with increased beta-amyloid deposition in healthy aging: A nonlinear effect. <i>NeuroImage</i> , 2018, 166, 285-292.	2.1	30
88	The role of hippocampal subfield volume and fornix microstructure in episodic memory across the lifespan. <i>Hippocampus</i> , 2019, 29, 1206-1223.	0.9	30
89	Brain-Derived Neurotrophic Factor Val66Met and Blood Glucose: A Synergistic Effect on Memory. <i>Frontiers in Human Neuroscience</i> , 2008, 2, 12.	1.0	29
90	Neuroanatomical and cognitive mediators of age-related differences in perceptual priming and learning.. <i>Neuropsychology</i> , 2009, 23, 475-491.	1.0	28

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91	Haplotypes of catechol-O-methyltransferase modulate intelligence-related brain white matter integrity. <i>NeuroImage</i> , 2010, 50, 243-249.	2.1	28
92	Amyloid deposition in younger adults is linked to episodic memory performance. <i>Neurology</i> , 2016, 87, 2562-2566.	1.5	27
93	Apolipoprotein E ϵ 4-related thickening of the cerebral cortex modulates selective attention. <i>Neurobiology of Aging</i> , 2012, 33, 304-322.e1.	1.5	26
94	Genetic variation on the <i>BDNF</i> gene is not associated with differences in white matter tracts in healthy humans measured by tract-based spatial statistics. <i>Genes, Brain and Behavior</i> , 2010, 9, 886-891.	1.1	25
95	Adult Age Differences and the Role of Cognitive Resources in Perceptual-Motor Skill Acquisition: Application of a Multilevel Negative Exponential Model. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2010, 65B, 163-173.	2.4	25
96	The effect of beta-amyloid on face processing in young and old adults: A multivariate analysis of the BOLD signal. <i>Human Brain Mapping</i> , 2015, 36, 2514-2526.	1.9	25
97	Distinct Frontoparietal Networks Set the Stage for Later Perceptual Identification Priming and Episodic Recognition Memory. <i>Journal of Neuroscience</i> , 2010, 30, 13272-13280.	1.7	23
98	Striatal iron content is linked to reduced fronto-striatal brain function under working memory load. <i>NeuroImage</i> , 2020, 210, 116544.	2.1	23
99	Greater BOLD Variability is Associated With Poorer Cognitive Function in an Adult Lifespan Sample. <i>Cerebral Cortex</i> , 2021, 31, 562-574.	1.6	23
100	Synergistic effects of the MTHFR C677T polymorphism and hypertension on spatial navigation. <i>Biological Psychology</i> , 2009, 80, 240-245.	1.1	22
101	APOE ϵ 4 Genotype and Hypertension Modify 8-year Cortical Thinning: Five Occasion Evidence from the Seattle Longitudinal Study. <i>Cerebral Cortex</i> , 2018, 28, 1934-1945.	1.6	21
102	Age-Related Differences in Acquisition of Perceptual-Motor Skills: Working Memory as a Mediator. <i>Aging, Neuropsychology, and Cognition</i> , 2008, 15, 165-183.	0.7	20
103	Contributions of White Matter Connectivity and BOLD Modulation to Cognitive Aging: A Lifespan Structure-Function Association Study. <i>Cerebral Cortex</i> , 2020, 30, 1649-1661.	1.6	20
104	Association between subjective memory assessment and associative memory performance: Role of ad risk factors.. <i>Psychology and Aging</i> , 2018, 33, 109-118.	1.4	20
105	The Cognitive Consequences of Structural Changes to the Aging Brain. , 2011, , 73-91.		17
106	White Matter Degradation is Associated with Reduced Financial Capacity in Mild Cognitive Impairment and Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2017, 60, 537-547.	1.2	14
107	Genetic predisposition for inflammation exacerbates effects of striatal iron content on cognitive switching ability in healthy aging. <i>NeuroImage</i> , 2019, 185, 471-478.	2.1	14
108	Aerobic exercise training and neurocognitive function in cognitively normal older adults: A one-year randomized controlled trial. <i>Journal of Internal Medicine</i> , 2022, 292, 788-803.	2.7	14

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109	Differential Aging Trajectories of Modulation of Activation to Cognitive Challenge in APOE ϵ 4 Groups: Reduced Modulation Predicts Poorer Cognitive Performance. <i>Journal of Neuroscience</i> , 2017, 37, 6894-6901.	1.7	13
110	Beta-amyloid burden predicts poorer mnemonic discrimination in cognitively normal older adults. <i>NeuroImage</i> , 2020, 221, 117199.	2.1	13
111	Fragmented Pictures Revisited: Long-Term Changes in Repetition Priming, Relation to Skill Learning, and the Role of Cognitive Resources. <i>Gerontology</i> , 2007, 53, 148-158.	1.4	11
112	Frontoparietal cortical thickness mediates the effect of COMT ValMet polymorphism on age-associated executive function. <i>Neurobiology of Aging</i> , 2019, 73, 104-114.	1.5	11
113	Contribution of iron and $A\beta$ to age differences in entorhinal and hippocampal subfield volume. <i>Neurology</i> , 2020, 95, e2586-e2594.	1.5	11
114	The effect of vascular health factors on white matter microstructure mediates age-related differences in executive function performance. <i>Cortex</i> , 2021, 141, 403-420.	1.1	11
115	Increasing beta-amyloid deposition in cognitively healthy aging predicts nonlinear change in BOLD modulation to difficulty. <i>NeuroImage</i> , 2018, 183, 142-149.	2.1	10
116	Age moderates the relationship between cortical thickness and cognitive performance. <i>Neuropsychologia</i> , 2019, 132, 107136.	0.7	10
117	The Effect of Substrate Material on Silver Nanoparticle Antimicrobial Efficacy. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 8456-8462.	0.9	9
118	A Switchable On Fluorescence Assay for Bacterial β -Lactamases with Amyloid Fibrils as Fluorescence Enhancer and Visual Tool. <i>Chemistry - A European Journal</i> , 2010, 16, 13367-13371.	1.7	8
119	Exploring interhemispheric collaboration in older compared to younger adults. <i>Brain and Cognition</i> , 2010, 72, 218-227.	0.8	8
120	Functional Connectivity Within and Between <i>n</i> -Back Modulated Regions: An Adult Lifespan Psychophysiological Interaction Investigation. <i>Brain Connectivity</i> , 2021, 11, 103-118.	0.8	8
121	Functional activation features of memory in successful agers across the adult lifespan. <i>NeuroImage</i> , 2022, 257, 119276.	2.1	8
122	A BOLD move. <i>Neurology</i> , 2010, 74, 1940-1941.	1.5	7
123	White Matter Microstructure Predicts Focal and Broad Functional Brain Dedifferentiation in Normal Aging. <i>Journal of Cognitive Neuroscience</i> , 2020, 32, 1536-1549.	1.1	7
124	Frontostriatal white matter connectivity: age differences and associations with cognition and BOLD modulation. <i>Neurobiology of Aging</i> , 2020, 94, 154-163.	1.5	7
125	Defaulting on the default network. <i>Neurology</i> , 2011, 76, 498-500.	1.5	6
126	Functional magnetic resonance imaging data of incremental increases in visuo-spatial difficulty in an adult lifespan sample. <i>Data in Brief</i> , 2017, 11, 54-60.	0.5	5

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127	Cortisol relates to regional limbic system structure in older but not younger adults. Psychoneuroendocrinology, 2019, 101, 111-120.	1.3	5
128	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
129	Velocity-resolved single-pass volumetric retinal flow imaging spectral domain optical coherence tomography. , 2009, , .		0
130	Improvement in Physical Function with Aerobic Training in Elderly Women. Medicine and Science in Sports and Exercise, 2011, 43, 514.	0.2	0
131	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