

Brian T Gold

List of Publications by Year in descending order

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74
papers

3,987
citations

136950

32
h-index

123424

61
g-index

75
all docs

75
docs citations

75
times ranked

5742
citing authors

#	ARTICLE	IF	CITATIONS
1	Common Prefrontal Regions Coactivate with Dissociable Posterior Regions during Controlled Semantic and Phonological Tasks. <i>Neuron</i> , 2002, 35, 803-812.	8.1	333
2	Lifelong Bilingualism Maintains Neural Efficiency for Cognitive Control in Aging. <i>Journal of Neuroscience</i> , 2013, 33, 387-396.	3.6	300
3	Dissociation of Automatic and Strategic Lexical-Semantics: Functional Magnetic Resonance Imaging Evidence for Differing Roles of Multiple Frontotemporal Regions. <i>Journal of Neuroscience</i> , 2006, 26, 6523-6532.	3.6	273
4	Domain general and domain preferential brain regions associated with different types of task switching: A Meta-analysis. <i>Human Brain Mapping</i> , 2012, 33, 130-142.	3.6	252
5	Common and Distinct Mechanisms of Cognitive Flexibility in Prefrontal Cortex. <i>Journal of Neuroscience</i> , 2011, 31, 4771-4779.	3.6	176
6	Age-related slowing of task switching is associated with decreased integrity of frontoparietal white matter. <i>Neurobiology of Aging</i> , 2010, 31, 512-522.	3.1	154
7	Lifelong bilingualism contributes to cognitive reserve against white matter integrity declines in aging. <i>Neuropsychologia</i> , 2013, 51, 2841-2846.	1.6	152
8	Common and Dissociable Activation Patterns Associated with Controlled Semantic and Phonological Processing: Evidence from fMRI Adaptation. <i>Cerebral Cortex</i> , 2005, 15, 1438-1450.	2.9	146
9	Cardiorespiratory fitness is positively correlated with cerebral white matter integrity in healthy seniors. <i>NeuroImage</i> , 2012, 59, 1514-1523.	4.2	144
10	White matter integrity and vulnerability to Alzheimer's disease: Preliminary findings and future directions. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012, 1822, 416-422.	3.8	132
11	Alterations in multiple measures of white matter integrity in normal women at high risk for Alzheimer's disease. <i>NeuroImage</i> , 2010, 52, 1487-1494.	4.2	108
12	Speed of lexical decision correlates with diffusion anisotropy in left parietal and frontal white matter: Evidence from diffusion tensor imaging. <i>Neuropsychologia</i> , 2007, 45, 2439-2446.	1.6	105
13	Neural Correlates of Morphological Decomposition during Visual Word Recognition. <i>Journal of Cognitive Neuroscience</i> , 2007, 19, 1983-1993.	2.3	94
14	White matter diffusion alterations in normal women at risk of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2010, 31, 1122-1131.	3.1	93
15	Brain arteriolosclerosis. <i>Acta Neuropathologica</i> , 2021, 141, 1-24.	7.7	85
16	Evidence that volume of anterior medial temporal lobe is reduced in seniors destined for mild cognitive impairment. <i>Neurobiology of Aging</i> , 2010, 31, 1099-1106.	3.1	73
17	Frontal white matter integrity in adults with Down syndrome with and without dementia. <i>Neurobiology of Aging</i> , 2014, 35, 1562-1569.	3.1	72
18	Lifelong bilingualism and neural reserve against Alzheimer's disease: A review of findings and potential mechanisms. <i>Behavioural Brain Research</i> , 2015, 281, 9-15.	2.2	70

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19	Neural correlates of cross-domain affective priming. <i>Brain Research</i> , 2010, 1329, 142-151.	2.2	66
20	Alzheimer's Disease in Down Syndrome. <i>European Journal of Neurodegenerative Disease</i> , 2012, 1, 353-364.	0.0	66
21	Reduced Frontal Cortex Efficiency is Associated with Lower White Matter Integrity in Aging. <i>Cerebral Cortex</i> , 2015, 25, 138-146.	2.9	59
22	Conflict adaptation in prefrontal cortex: Now you see it, now you don't. <i>Cortex</i> , 2014, 50, 76-85.	2.4	51
23	White matter integrity is associated with cerebrospinal fluid markers of Alzheimer's disease in normal adults. <i>Neurobiology of Aging</i> , 2014, 35, 2263-2271.	3.1	51
24	Development, validation and application of a new fornix template for studies of aging and preclinical Alzheimer's disease. <i>NeuroImage: Clinical</i> , 2017, 13, 106-115.	2.7	48
25	Combined ERP/fMRI evidence for early word recognition effects in the posterior inferior temporal gyrus. <i>Cortex</i> , 2013, 49, 2307-2321.	2.4	46
26	Longitudinal alterations to brain function, structure, and cognitive performance in healthy older adults: A fMRI-DTI study. <i>Neuropsychologia</i> , 2015, 71, 225-235.	1.6	45
27	Evidence for reduced efficiency and successful compensation in older adults during task switching. <i>Cortex</i> , 2015, 64, 352-362.	2.4	45
28	MarkVCID cerebral small vessel consortium: II. Neuroimaging protocols. <i>Alzheimer's and Dementia</i> , 2021, 17, 716-725.	0.8	45
29	Differing neuropsychological and neuroanatomical correlates of abnormal reading in early-stage semantic dementia and dementia of the Alzheimer type. <i>Neuropsychologia</i> , 2005, 43, 833-846.	1.6	43
30	Aging Influences the Neural Correlates of Lexical Decision but Not Automatic Semantic Priming. <i>Cerebral Cortex</i> , 2009, 19, 2671-2679.	2.9	40
31	Consistency and regularity in past-tense verb generation in healthy ageing, Alzheimer's disease, and semantic dementia. <i>Cognitive Neuropsychology</i> , 2006, 23, 856-876.	1.1	39
32	Distinct patterns of default mode and executive control network circuitry contribute to present and future executive function in older adults. <i>NeuroImage</i> , 2019, 195, 320-332.	4.2	38
33	A Mild Traumatic Brain Injury in Mice Produces Lasting Deficits in Brain Metabolism. <i>Journal of Neurotrauma</i> , 2018, 35, 2435-2447.	3.4	36
34	Human experience seeking correlates with hippocampus volume: Convergent evidence from manual tracing and voxel-based morphometry. <i>Neuropsychologia</i> , 2007, 45, 2874-2881.	1.6	33
35	Water exchange rate across the blood-brain barrier is associated with CSF amyloid β 42 in healthy older adults. <i>Alzheimer's and Dementia</i> , 2021, 17, 2020-2029.	0.8	31
36	Common and distinct neural mechanisms of attentional switching and response conflict. <i>Brain Research</i> , 2012, 1469, 92-102.	2.2	30

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37	Age-related increases in right frontal activation during task switching are mediated by reaction time and white matter microstructure. <i>Neuroscience</i> , 2014, 278, 51-61.	2.3	29
38	Socioeconomic status is positively correlated with frontal white matter integrity in aging. <i>Age</i> , 2013, 35, 2045-2056.	3.0	28
39	Alzheimer's Biomarkers are Correlated with Brain Connectivity in Older Adults Differentially during Resting and Task States. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 15.	3.4	28
40	Brain responses to repeated visual experience among low and high sensation seekers: Role of boredom susceptibility. <i>Psychiatry Research - Neuroimaging</i> , 2009, 173, 100-106.	1.8	24
41	Functional response in ventral temporal cortex differentiates mild cognitive impairment from normal aging. <i>Human Brain Mapping</i> , 2010, 31, 1249-1259.	3.6	24
42	Age and Alzheimer's pathology disrupt default mode network functioning via alterations in white matter microstructure but not hyperintensities. <i>Cortex</i> , 2018, 104, 58-74.	2.4	24
43	White matter microstructure contributes to age-related declines in task-induced deactivation of the default mode network. <i>Frontiers in Aging Neuroscience</i> , 2015, 7, 194.	3.4	21
44	Distinct White Matter Changes Associated with Cerebrospinal Fluid Amyloid- β 1-42 and Hypertension. <i>Journal of Alzheimer's Disease</i> , 2018, 66, 1095-1104.	2.6	21
45	Left middle temporal and inferior frontal regions contribute to speed of lexical decision: A TMS study. <i>Brain and Cognition</i> , 2015, 93, 11-17.	1.8	18
46	Cortical iron disrupts functional connectivity networks supporting working memory performance in older adults. <i>NeuroImage</i> , 2020, 223, 117309.	4.2	16
47	Multimodal Imaging Evidence for Axonal and Myelin Deterioration in Amnesic Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2012, 31, S19-S31.	2.6	15
48	Clinically silent Alzheimer's and vascular pathologies influence brain networks supporting executive function in healthy older adults. <i>Neurobiology of Aging</i> , 2017, 58, 102-111.	3.1	15
49	Endothelial Function Is Associated with White Matter Microstructure and Executive Function in Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 255.	3.4	15
50	Cardiorespiratory fitness modifies the relationship between myocardial function and cerebral blood flow in older adults. <i>NeuroImage</i> , 2016, 131, 126-132.	4.2	14
51	White Matter Hyperintensity Volume and Location: Associations With WM Microstructure, Brain Iron, and Cerebral Perfusion. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 617947.	3.4	14
52	Healthy dietary intake moderates the effects of age on brain iron concentration and working memory performance. <i>Neurobiology of Aging</i> , 2021, 106, 183-196.	3.1	12
53	Cardiorespiratory fitness diminishes the effects of age on white matter hyperintensity volume. <i>PLoS ONE</i> , 2020, 15, e0236986.	2.5	11
54	Task Deactivation Reductions and Atrophy within Parietal Default Mode Regions are Overlapping but Only Weakly Correlated in Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2011, 27, 415-427.	2.6	9

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55	Preserved Visual Lexicosemantics in Global Aphasia: A Right-Hemisphere Contribution?. Brain and Language, 2000, 75, 359-375.	1.6	8
56	Education does not protect cognitive function from brain pathology in the ADNI 2 cohort. Neurobiology of Aging, 2020, 90, 147-149.	3.1	8
57	Ironsmith: An automated pipeline for QSM-based data analyses. NeuroImage, 2022, 249, 118835.	4.2	8
58	Executive control, brain aging and bilingualism. Cortex, 2015, 73, 369-370.	2.4	7
59	Multi-vendor and multisite evaluation of cerebrovascular reactivity mapping using hypercapnia challenge. NeuroImage, 2021, 245, 118754.	4.2	7
60	Enlarged Perivascular Spaces Are Negatively Associated With Montreal Cognitive Assessment Scores in Older Adults. Frontiers in Neurology, 0, 13, .	2.4	7
61	Hemispheric Asymmetries in Tracking Occluded Moving Targets with the Mind's Eye: Simultaneous Event-Related fMRI and Eye-Movement Recording. Brain Imaging and Behavior, 2008, 2, 300-308.	2.1	6
62	Development of a protocol to assess within-subject, regional white matter hyperintensity changes in aging and dementia. Journal of Neuroscience Methods, 2021, 360, 109270.	2.5	5
63	Amyloid-PET Levels in the Precuneus and Posterior Cingulate Cortices Are Associated with Executive Function Scores in Preclinical Alzheimer's Disease Prior to Overt Global Amyloid Positivity. Journal of Alzheimer's Disease, 2022, 88, 1127-1135.	2.6	5
64	Lifelong bilingualism, cognitive reserve and Alzheimer's disease. Linguistic Approaches To Bilingualism, 2016, 6, 171-189.	0.9	4
65	Non-fasting High-Density Lipoprotein Is Associated With White Matter Microstructure in Healthy Older Adults. Frontiers in Aging Neuroscience, 2019, 11, 100.	3.4	4
66	Chapter 9. Bilingualism, cognitive reserve and Alzheimer's disease. Studies in Bilingualism, 0, , 185-203.	0.2	3
67	Preface for the special issue of imaging brain aging and neurodegenerative disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 315-316.	3.8	1
68	Water exchange across blood-brain barrier is associated with CSF amyloid β 42 level in healthy older adults. Alzheimer's and Dementia, 2020, 16, e036794.	0.8	1
69	Treatment of obsessive-compulsive disorder with frontopolar multifocal transcranial direct current stimulation and exposure and response prevention: A case Series. Brain Stimulation, 2021, 14, 1431-1433.	1.6	1
70	P2-015: LOSSES IN FRONTAL WHITE MATTER INTEGRITY IN ADULTS WITH DOWN SYNDROME WITH AND WITHOUT DEMENTIA. , 2014, 10, P475-P475.		0
71	P4007: A COMBINATION OF ESSENTIAL FATTY ACIDS, PANAX GINSENG EXTRACT, AND GREEN TEA CATECHINS SIGNIFICANTLY INCREASES BRAIN ACTIVATION AND FUNCTIONAL CONNECTIVITY DURING AN FMRI TASK IN HEALTHY OLDER ADULTS. Alzheimer's and Dementia, 2018, 14, P1433.	0.8	0
72	IC196: A COMBINATION OF ESSENTIAL FATTY ACIDS, PANAX GINSENG EXTRACT, AND GREEN TEA CATECHINS SIGNIFICANTLY INCREASES BRAIN ACTIVATION AND FUNCTIONAL CONNECTIVITY DURING AN FMRI TASK IN HEALTHY OLDER ADULTS. Alzheimer's and Dementia, 2018, 14, P162.	0.8	0

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73	Neural Correlates of Morphological Decomposition during Visual Word Recognition. Journal of Cognitive Neuroscience, 2008, Early Access, 080219115128817-11.	2.3	0
74	Executive dysfunction is the earliest sign of preclinical Alzheimer's disease detected by regional Ab ⁺ PET SUVR in the precuneus and posterior cingulate cortex. Alzheimer's and Dementia, 2021, 17, .	0.8	0