Adam Gazzaley

List of Publications by Year
in descending order

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123 papers	11,676 citations	44069 48 h-index	31849 101 g-index
129 all docs	129 docs citations	129 times ranked	11897 citing authors

#	Article	IF	Citations
1	Can pragmatic research, real-world data and digital technologies aid the development of psychedelic medicine?. Journal of Psychopharmacology, 2022, 36, 6-11.	4.0	28
2	Encapsulation and subjectivity from the standpoint of viewpoint theory. Behavioral and Brain Sciences, 2022, 45, e55.	0.7	0
3	Research outside the laboratory: Longitudinal at-home neurostimulation. Behavioural Brain Research, 2022, 428, 113894.	2.2	1
4	Leveraging technology to personalize cognitive enhancement methods in aging. Nature Aging, 2022, 2, 475-483.	11.6	9
5	A novel in-home digital treatment to improve processing speed in people with multiple sclerosis: A pilot study. Multiple Sclerosis Journal, 2021, 27, 778-789.	3.0	21
6	Application of an Adaptive, Digital, Game-Based Approach for Cognitive Assessment in Multiple Sclerosis: Observational Study. Journal of Medical Internet Research, 2021, 23, e24356.	4.3	10
7	Effects of Transcranial Direct Current Stimulation on Cognition, Mood, Pain, and Fatigue in Multiple Sclerosis: A Systematic Review and Meta-Analysis. Frontiers in Neurology, 2021, 12, 626113.	2.4	21
8	Reconfiguration of Electroencephalography Microstate Networks after Breath-Focused, Digital Meditation Training. Brain Connectivity, 2021, 11, 146-155.	1.7	23
9	Closed-Loop Neurofeedback of Î± Synchrony during Goal-Directed Attention. Journal of Neuroscience, 2021, 41, 5699-5710.	3.6	18
10	Long-term maintenance of multitasking abilities following video game training in older adults. Neurobiology of Aging, 2021, 103, 22-30.	3.1	14
11	Individual differences in neuroanatomy and neurophysiology predict effects of transcranial alternating current stimulation. Brain Stimulation, 2021, 14, 1317-1329.	1.6	27
12	Linking inhibitory control to math achievement via comparison of conflicting decimal numbers. Cognition, 2021, 214, 104767.	2.2	13
13	Virtual reality video game improves high-fidelity memory in older adults. Scientific Reports, 2021, 11, 2552.	3.3	25
14	The Generation of Involuntary Mental Imagery in an Ecologically-Valid Task. Frontiers in Psychology, 2021, 12, 759685.	2.1	4
15	Assessing Cognitive Function in Multiple Sclerosis With Digital Tools: Observational Study. Journal of Medical Internet Research, 2021, 23, e25748.	4.3	6
16	Closed-loop digital meditation for neurocognitive and behavioral development in adolescents with childhood neglect. Translational Psychiatry, 2020, 10, 153.	4.8	27
17	Linked Sources of Neural Noise Contribute to Age-related Cognitive Decline. Journal of Cognitive Neuroscience, 2020, 32, 1813-1822.	2.3	53
18	Temporal attention is not affected by working memory load. Cortex, 2020, 130, 351-361.	2.4	7

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19	Involuntary attentional shifts as a function of set and processing fluency. Acta Psychologica, 2020, 203, 103009.	1.5	6
20	Enhanced Attention Using Head-mounted Virtual Reality. Journal of Cognitive Neuroscience, 2020, 32, 1438-1454.	2.3	31
21	Aging of the frontal lobe. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2019, 163, 369-389.	1.8	57
22	Involuntary mental rotation and visuospatial imagery from external control. Consciousness and Cognition, 2019, 75, 102809.	1.5	10
23	Closed-loop digital meditation improves sustained attention in young adults. Nature Human Behaviour, 2019, 3, 746-757.	12.0	63
24	A Tablet-Based Assessment of Rhythmic Ability. Frontiers in Psychology, 2019, 10, 2471.	2.1	11
25	Improving Methodological Standards in Behavioral Interventions for Cognitive Enhancement. Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice, 2019, 3, 2-29.	1.6	149
26	Parametric effects of transcranial alternating current stimulation on multitasking performance. Brain Stimulation, 2019, 12, 73-83.	1.6	24
27	A Videogame-Based Digital Therapeutic to Improve Processing Speed in People with Multiple Sclerosis: A Feasibility Study. Neurology and Therapy, 2019, 8, 135-145.	3.2	31
28	Maximal Oxygen Uptake Responders Versus Non-responders Show Differing Cognitive Responses to Movement-based Video Game Training. Medicine and Science in Sports and Exercise, 2019, 51, 850-850.	0.4	0
29	Differential Impact of Interference on Internally- and Externally-Directed Attention. Scientific Reports, 2018, 8, 2498.	3.3	13
30	Evidence of a Causal Role for mid-Ventrolateral Prefrontal Cortex Based Functional Networks in Retrieving High-Fidelity Memory. Scientific Reports, 2018, 8, 14877.	3.3	12
31	Characterizing cognitive and visuomotor control in children with sensory processing dysfunction and autism spectrum disorders.. Neuropsychology, 2018, 32, 148-160.	1.3	22
32	Using Mobile Apps to Assess and Treat Depression in Hispanic and Latino Populations: Fully Remote Randomized Clinical Trial. Journal of Medical Internet Research, 2018, 20, e10130.	4.3	82
33	White Matter Microstructure Associations of Cognitive and Visuomotor Control in Children: A Sensory Processing Perspective. Frontiers in Integrative Neuroscience, 2018, 12, 65.	2.1	13
34	Retrieval of high-fidelity memory arises from distributed cortical networks. NeuroImage, 2017, 149, 178-189.	4.2	18
35	Preparatory Encoding of the Fine Scale of Human Spatial Attention. Journal of Cognitive Neuroscience, 2017, 29, 1302-1310.	2.3	29
36	Externally controlled involuntary cognitions and their relations with other representations in consciousness. Consciousness and Cognition, 2017, 55, 1-10.	1.5	12

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37	Enhancing Spatial Attention and Working Memory in Younger and Older Adults. Journal of Cognitive Neuroscience, 2017, 29, 1483-1497.	2.3	34
38	Predictive cues and age-related declines in working memory performance. Neurobiology of Aging, 2017, 49, 31-39.	3.1	16
39	Attentional updating and monitoring and affective shifting are impacted independently by aging in macaque monkeys. Behavioural Brain Research, 2017, 322, 329-338.	2.2	22
40	Recommendations for the Use of Serious Games in Neurodegenerative Disorders: 2016 Delphi Panel. Frontiers in Psychology, 2017, 8, 1243.	2.1	64
41	Enhancement of multitasking performance and neural oscillations by transcranial alternating current stimulation. PLoS ONE, 2017, 12, e0178579.	2.5	42
42	Conducting a fully mobile and randomised clinical trial for depression: access, engagement and expense. BMJ Innovations, 2016, 2, 14-21.	1.7	148
43	Homing in on consciousness in the nervous system: An action-based synthesis. Behavioral and Brain Sciences, 2016, 39, e168.	0.7	57
44	Involuntary symbol manipulation (Pig Latin) from external control: Implications for thought suppression. Acta Psychologica, 2016, 166, 37-41.	1.5	45
45	Video Games for Neuro-Cognitive Optimization. Neuron, 2016, 90, 214-218.	8.1	137
46	Passive frame theory: A new synthesis. Behavioral and Brain Sciences, 2016, 39, e199.	0.7	10
47	Spatial Attention and the Effects of Frontoparietal Alpha Band Stimulation. Frontiers in Human Neuroscience, 2016, 10, 658.	2.0	31
48	The Use and Effectiveness of Mobile Apps for Depression: Results From a Fully Remote Clinical Trial. Journal of Medical Internet Research, 2016, 18, e330.	4.3	282
49	Physiological And Cognitive Adaptations To 8 Weeks Of Training On A Movement-based Video Game. Medicine and Science in Sports and Exercise, 2016, 48, 922.	0.4	0
50	A Cognitive Paradigm to Investigate Interference in Working Memory by Distractions and Interruptions. Journal of Visualized Experiments, 2015, , e52226.	0.3	2
51	Effects of noninvasive brain stimulation on cognitive function in healthy aging and Alzheimer's disease: a systematic review and meta-analysis. Neurobiology of Aging, 2015, 36, 2348-2359.	3.1	268
52	Delayed enhancement of multitasking performance: Effects of anodal transcranial direct current stimulation on the prefrontal cortex. Cortex, 2015, 69, 175-185.	2.4	62
53	External control of the stream of consciousness: Stimulus-based effects on involuntary thought sequences. Consciousness and Cognition, 2015, 33, 217-225.	1.5	52
54	Neural plasticity underlying visual perceptual learning in aging. Brain Research, 2015, 1612, 140-151.	2.2	28

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55	Neural sources of performance decline during continuous multitasking. Cortex, 2015, 71, 49-57.	2.4	21
56	Closed-loop cognition: the next frontier arrives. Trends in Cognitive Sciences, 2015, 19, 242-243.	7.8	25
57	Age-Related Changes in 1/fNeural Electrophysiological Noise. Journal of Neuroscience, 2015, 35, 13257-13265.	3.6	479
58	Exploring the Potential of the iPad and Xbox Kinect for Cognitive Science Research. Games for Health Journal, 2015, 4, 221-224.	2.0	9
59	Video games, cognitive exercises, and the enhancement of cognitive abilities. Current Opinion in Behavioral Sciences, 2015, 4, 160-165.	3.9	104
60	Distractibility during retrieval of long-term memory: domain-general interference, neural networks and increased susceptibility in normal aging. Frontiers in Psychology, 2014, 5, 280.	2.1	26
61	Harnessing the neuroplastic potential of the human brain & the future of cognitive rehabilitation. Frontiers in Human Neuroscience, 2014, 8, 218.	2.0	33
62	Structural and functional differences in medial prefrontal cortex underlie distractibility and suppression deficits in ageing. Nature Communications, 2014, 5, 4223.	12.8	63
63	External distraction impairs categorization performance in older adults.. Psychology and Aging, 2014, 29, 666-671.	1.6	13
64	Closed-Loop Rehabilitation of Age-Related Cognitive Disorders. Seminars in Neurology, 2014, 34, 584-590.	1.4	20
65	Adaptive Training Diminishes Distractibility in Aging across Species. Neuron, 2014, 84, 1091-1103.	8.1	122
66	Flavanol-rich food for thought. Nature Neuroscience, 2014, 17, 1624-1625.	14.8	3
67	The functional oculomotor network and saccadic cognitive control in healthy elders. NeuroImage, 2014, 95, 61-68.	4.2	27
68	Subjective aspects of working memory performance: Memoranda-related imagery. Consciousness and Cognition, 2014, 25, 88-100.	1.5	5
69	Age-equivalent Topâ€“Down Modulation during Cross-modal Selective Attention. Journal of Cognitive Neuroscience, 2014, 26, 2827-2839.	2.3	25
70	Reliability measures of functional magnetic resonance imaging in a longitudinal evaluation of mild cognitive impairment. NeuroImage, 2014, 84, 443-452.	4.2	25
71	Fronto-parietal network: flexible hub of cognitive control. Trends in Cognitive Sciences, 2013, 17, 602-603.	7.8	296
72	Representations in working memory yield interference effects found with externally-triggered representations. Acta Psychologica, 2013, 142, 127-135.	1.5	4

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73	Conscious thoughts from reflex-like processes: A new experimental paradigm for consciousness research. Consciousness and Cognition, 2013, 22, 1318-1331.	1.5	58
74	Comparable mechanisms of working memory interference by auditory and visual motion in youth and aging. Neuropsychologia, 2013, 51, 1896-1906.	1.6	16
75	Cholinergic enhancement of functional networks in older adults with mild cognitive impairment. Annals of Neurology, 2013, 73, 762-773.	5.3	36
76	Prolonged disengagement from attentional capture in normal aging.. Psychology and Aging, 2013, 28, 77-86.	1.6	54
77	A Cognitive Framework for Understanding and Improving Interference Resolution in the Brain. Progress in Brain Research, 2013, 207, 351-377.	1.4	33
78	Stimulating the aging brain. Annals of Neurology, 2013, 73, 1-3.	5.3	3
79	Rapid Functional Reorganization in Human Cortex Following Neural Perturbation. Journal of Neuroscience, 2013, 33, 16268-16274.	3.6	14
80	Preserved Discrimination Performance and Neural Processing during Crossmodal Attention in Aging. PLoS ONE, 2013, 8, e81894.	2.5	22
81	Reconciling the influence of task-set switching and motor inhibition processes on stop signal after-effects. Frontiers in Psychology, 2013, 4, 649.	2.1	15
82	Age-Related Changes in Expectation-Based Modulation of Motion Detectability. PLoS ONE, 2013, 8, e69766.	2.5	7
83	Distinct mechanisms for the impact of distraction and interruption on working memory in aging. Neurobiology of Aging, 2012, 33, 134-148.	3.1	123
84	Top-down modulation: bridging selective attention and working memory. Trends in Cognitive Sciences, 2012, 16, 129-135.	7.8	1,049
85	Attention Distributed across Sensory Modalities Enhances Perceptual Performance. Journal of Neuroscience, 2012, 32, 12294-12302.	3.6	40
86	Dissociation of motor and sensory inhibition processes in normal aging. Clinical Neurophysiology, 2012, 123, 730-740.	1.5	57
87	How to Assess Gaming-Induced Benefits on Attention and Working Memory. Games for Health Journal, 2012, 1, 192-198.	2.0	23
88	The impact of visual distraction on episodic retrieval in older adults. Brain Research, 2012, 1430, 78-85.	2.2	29
89	Causal role of the prefrontal cortex in top-down modulation of visual processing and working memory. Nature Neuroscience, 2011, 14, 656-661.	14.8	564
90	Differential coupling of visual cortex with default or frontal-parietal network based on goals. Nature Neuroscience, 2011, 14, 830-832.	14.8	198

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91	An expectation-based memory deficit in aging. Neuropsychologia, 2011, 49, 1466-1475.	1.6	52
92	Influence of early attentional modulation on working memory. Neuropsychologia, 2011, 49, 1410-1424.	1.6	123
93	The impact of auditory distraction on retrieval of visual memories. Psychonomic Bulletin and Review, 2011, 18, 1090-1097.	2.8	29
94	Traditional response interference effects from anticipated action outcomes: A responseâ€“effect compatibility paradigm. Acta Psychologica, 2011, 138, 106-110.	1.5	14
95	Can Age-Associated Memory Decline Be Treated?. New England Journal of Medicine, 2011, 365, 1346-1347.	27.0	5
96	Diminished Top-Down Control Underlies a Visual Imagery Deficit in Normal Aging. Journal of Neuroscience, 2011, 31, 15768-15774.	3.6	35
97	Age-Related Changes in Orienting Attention in Time. Journal of Neuroscience, 2011, 31, 12461-12470.	3.6	114
98	Deficit in switching between functional brain networks underlies the impact of multitasking on working memory in older adults. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7212-7217.	7.1	178
99	Delays in neural processing during working memory encoding in normal aging. Neuropsychologia, 2010, 48, 13-25.	1.6	95
100	Neural Mechanisms Underlying the Impact of Visual Distraction on Retrieval of Long-Term Memory. Journal of Neuroscience, 2010, 30, 8541-8550.	3.6	77
101	Expectation-Driven Changes in Cortical Functional Connectivity Influence Working Memory and Long-Term Memory Performance. Journal of Neuroscience, 2010, 30, 14399-14410.	3.6	88
102	Early Topâ€“Down Control of Visual Processing Predicts Working Memory Performance. Journal of Cognitive Neuroscience, 2010, 22, 1224-1234.	2.3	140
103	Top-down modulation of visual feature processing: The role of the inferior frontal junction. NeuroImage, 2010, 53, 736-745.	4.2	125
104	Predictive knowledge of stimulus relevance does not influence top-down suppression of irrelevant information in older adults. Cortex, 2010, 46, 564-574.	2.4	65
105	The Influence of Perceptual Training on Working Memory in Older Adults. PLoS ONE, 2010, 5, e11537.	2.5	190
106	Neural Suppression of Irrelevant Information Underlies Optimal Working Memory Performance. Journal of Neuroscience, 2009, 29, 3059-3066.	3.6	249
107	The effect of non-visual working memory load on top-down modulation of visual processing. Neuropsychologia, 2009, 47, 1637-1646.	1.6	85
108	Clinicalâ€neuroimaging characteristics of dysexecutive mild cognitive impairment. Annals of Neurology, 2009, 65, 414-423.	5.3	85

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109	Indirect cognitive control through topâ€down activation of perceptual symbols. European Journal of Social Psychology, 2009, 39, 1173-1177.	2.4	44
110	Practice-Related Improvement in Working Memory is Modulated by Changes in Processing External Interference. Journal of Neurophysiology, 2009, 102, 1779-1789.	1.8	50
111	Age-related top-down suppression deficit in the early stages of cortical visual memory processing. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 13122-13126.	7.1	382
112	Age-related deficits in component processes of working memory.. Neuropsychology, 2007, 21, 532-539.	1.3	80
113	Functional Interactions between Prefrontal and Visual Association Cortex Contribute to Top-Down Modulation of Visual Processing. Cerebral Cortex, 2007, 17, i125-i135.	2.9	229
114	Reducing vascular variability of fMRI data across aging populations using a breathholding task. Human Brain Mapping, 2007, 28, 846-859.	3.6	129
115	Reward modulation of prefrontal and visual association cortex during an incentive working memory task. Brain Research, 2007, 1141, 168-177.	2.2	148
116	Top-Down Modulation and Normal Aging. Annals of the New York Academy of Sciences, 2007, 1097, 67-83.	3.8	172
117	Response bias and aging on a recognition memory task. Journal of the International Neuropsychological Society, 2006, 12, 1-7.	1.8	60
118	Is the Prefrontal Cortex Necessary for Delay Task Performance? Evidence from Lesion and fMRI Data. Journal of the International Neuropsychological Society, 2006, 12, 248-260.	1.8	59
119	Top-down suppression deficit underlies working memory impairment in normal aging. Nature Neuroscience, 2005, 8, 1298-1300.	14.8	788
120	Top-down Enhancement and Suppression of the Magnitude and Speed of Neural Activity. Journal of Cognitive Neuroscience, 2005, 17, 507-517.	2.3	403
121	Measuring functional connectivity during distinct stages of a cognitive task. NeuroImage, 2004, 23, 752-763.	4.2	809
122	Alterations in the BOLD fMRI signal with ageing and disease: a challenge for neuroimaging. Nature Reviews Neuroscience, 2003, 4, 863-872.	10.2	734
123	Validation of At-Home Application of a Digital Cognitive Screener for Older Adults. Frontiers in Aging Neuroscience, 0, 14, .	3.4	1