

Douglas D Garrett

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

3,260
citations

257450

24
h-index

345221

36
g-index

53
all docs

53
docs citations

53
times ranked

3063
citing authors

#	ARTICLE	IF	CITATIONS
1	Moment-to-moment brain signal variability: A next frontier in human brain mapping?. <i>Neuroscience and Biobehavioral Reviews</i> , 2013, 37, 610-624.	6.1	487
2	The Importance of Being Variable. <i>Journal of Neuroscience</i> , 2011, 31, 4496-4503.	3.6	383
3	Blood Oxygen Level-Dependent Signal Variability Is More than Just Noise. <i>Journal of Neuroscience</i> , 2010, 30, 4914-4921.	3.6	329
4	The Modulation of BOLD Variability between Cognitive States Varies by Age and Processing Speed. <i>Cerebral Cortex</i> , 2013, 23, 684-693.	2.9	225
5	Neurocognitive markers of cognitive impairment: Exploring the roles of speed and inconsistency.. <i>Neuropsychology</i> , 2007, 21, 381-399.	1.3	178
6	Understanding variability in the BOLD signal and why it matters for aging. <i>Brain Imaging and Behavior</i> , 2014, 8, 274-283.	2.1	151
7	Behavior needs neural variability. <i>Neuron</i> , 2021, 109, 751-766.	8.1	141
8	Dopamine D2 receptor availability is linked to hippocampalâ€œcaudate functional connectivity and episodic memory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7918-7923.	7.1	135
9	Brain Signal Variability is Parametrically Modifiable. <i>Cerebral Cortex</i> , 2014, 24, 2931-2940.	2.9	105
10	Amphetamine modulates brain signal variability and working memory in younger and older adults. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7593-7598.	7.1	94
11	Modality-specific tracking of attention and sensory statistics in the human electrophysiological spectral exponent. <i>ELife</i> , 2021, 10, .	6.0	87
12	Single-trial characterization of neural rhythms: Potential and challenges. <i>NeuroImage</i> , 2020, 206, 116331.	4.2	84
13	Humans strategically shift decision bias by flexibly adjusting sensory evidence accumulation. <i>ELife</i> , 2019, 8, .	6.0	71
14	Brain signal variability is modulated as a function of internal and external demand in younger and older adults. <i>NeuroImage</i> , 2018, 169, 510-523.	4.2	70
15	A Scaffold for Efficiency in the Human Brain. <i>Journal of Neuroscience</i> , 2013, 33, 17150-17159.	3.6	64
16	Age differences in brain signal variability are robust to multiple vascular controls. <i>Scientific Reports</i> , 2017, 7, 10149.	3.3	64
17	Everyday memory compensation: The impact of cognitive reserve, subjective memory, and stress.. <i>Psychology and Aging</i> , 2010, 25, 74-83.	1.6	56
18	Thalamocortical excitability modulation guides human perception under uncertainty. <i>Nature Communications</i> , 2021, 12, 2430.	12.8	56

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19	Local temporal variability reflects functional integration in the human brain. <i>NeuroImage</i> , 2018, 183, 776-787.	4.2	53
20	Standard multiscale entropy reflects neural dynamics at mismatched temporal scales: What's signal irregularity got to do with it?. <i>PLoS Computational Biology</i> , 2020, 16, e1007885.	3.2	49
21	Dopamine $D_{2/3}$ Binding Potential Modulates Neural Signatures of Working Memory in a Load-Dependent Fashion. <i>Journal of Neuroscience</i> , 2019, 39, 537-547.	3.6	37
22	On the estimation of brain signal entropy from sparse neuroimaging data. <i>Scientific Reports</i> , 2016, 6, 23073.	3.3	35
23	Latent-Profile Analysis Reveals Behavioral and Brain Correlates of Dopamine-Cognition Associations. <i>Cerebral Cortex</i> , 2018, 28, 3894-3907.	2.9	34
24	Intraindividual reaction time variability is malleable: feedback- and education-related reductions in variability with age. <i>Frontiers in Human Neuroscience</i> , 2012, 6, 101.	2.0	33
25	Moment-to-moment signal variability in the human brain can inform models of stochastic facilitation now. <i>Nature Reviews Neuroscience</i> , 2011, 12, 612-612.	10.2	27
26	Higher performers upregulate brain signal variability in response to more feature-rich visual input. <i>NeuroImage</i> , 2020, 217, 116836.	4.2	27
27	Neurocognitive Profiles of Older Adults with Working-Memory Dysfunction. <i>Cerebral Cortex</i> , 2018, 28, 2525-2539.	2.9	25
28	Auditory "Articulatory Neural Alignment between Listener and Speaker during Verbal Communication. <i>Cerebral Cortex</i> , 2020, 30, 942-951.	2.9	22
29	Moment-to-Moment Brain Signal Variability Reliably Predicts Psychiatric Treatment Outcome. <i>Biological Psychiatry</i> , 2022, 91, 658-666.	1.3	19
30	Lost Dynamics and the Dynamics of Loss: Longitudinal Compression of Brain Signal Variability is Coupled with Declines in Functional Integration and Cognitive Performance. <i>Cerebral Cortex</i> , 2021, 31, 5239-5252.	2.9	17
31	Impact of transit training and free bus pass on public transportation use by older drivers. <i>Preventive Medicine</i> , 2008, 47, 335-337.	3.4	15
32	Dynamic Recovery: GABA Agonism Restores Neural Variability in Older, Poorer Performing Adults. <i>Journal of Neuroscience</i> , 2021, 41, 9350-9360.	3.6	15
33	Mean and variability in functional brain activations differentially predict executive function in older adults: an investigation employing functional near-infrared spectroscopy. <i>Neurophotonics</i> , 2017, 5, 1.	3.3	12
34	Boosts in brain signal variability track liberal shifts in decision bias. <i>ELife</i> , 2020, 9, .	6.0	9
35	Functional Connectivity within and beyond the Face Network Is Related to Reduced Discrimination of Degraded Faces in Young and Older Adults. <i>Cerebral Cortex</i> , 2020, 30, 6206-6223.	2.9	2
36	Fronto-striatal dopamine D2 receptor availability is associated with cognitive variability in older individuals with low dopamine integrity. <i>Scientific Reports</i> , 2021, 11, 21089.	3.3	1

#	ARTICLE	IF	CITATIONS
37	Title is missing!. , 2020, 16, e1007885.		0
38	Title is missing!. , 2020, 16, e1007885.		0
39	Title is missing!. , 2020, 16, e1007885.		0
40	Title is missing!. , 2020, 16, e1007885.		0