Darren R Gitelman

List of Publications by Year
in descending order

111 papers	14,896 citations	19657 61 h-index	24258 110 g-index
118 all docs	118 docs citations	118 times ranked	13897 citing authors

#	Article	IF	Citations
1	Chronic Back Pain Is Associated with Decreased Prefrontal and Thalamic Gray Matter Density. Journal of Neuroscience, 2004, 24, 10410-10415.	3.6	1,223
2	Functional localization of the system for visuospatial attention using positron emission tomography. Brain, 1997, 120, 515-533.	7.6	828
3	Modeling regional and psychophysiologic interactions in fMRI: the importance of hemodynamic deconvolution. NeuroImage, 2003, 19, 200-207.	4.2	741
4	Dissociation of Neural Representation of Intensity and Affective Valuation in Human Gustation. Neuron, 2003, 39, 701-711.	8.1	707
5	A large-scale distributed network for covert spatial attention. Brain, 1999, 122, 1093-1106.	7.6	606
6	Neuroanatomic Overlap of Working Memory and Spatial Attention Networks: A Functional MRI Comparison within Subjects. NeuroImage, 1999, 10, 695-704.	4.2	482
7	Covert Visual Spatial Orienting and Saccades: Overlapping Neural Systems. NeuroImage, 2000, 11, 210-216.	4.2	425
8	Hunger selectively modulates corticolimbic activation to food stimuli in humans.. Behavioral Neuroscience, 2001, 115, 493-500.	1.2	385
9	Experience-Dependent Neural Integration of Taste and Smell in the Human Brain. Journal of Neurophysiology, 2004, 92, 1892-1903.	1.8	334
10	The Large-Scale Neural Network for Spatial Attention Displays Multifunctional Overlap But Differential Asymmetry. NeuroImage, 1999, 9, 269-277.	4.2	319
11	Neural development of selective attention and response inhibition. NeuroImage, 2003, 20, 737-751.	4.2	300
12	Functional Anatomy of Intra- and Cross-Modal Lexical Tasks. NeuroImage, 2002, 16, 7-22.	4.2	294
13	The posterior cingulate and medial prefrontal cortex mediate the anticipatory allocation of spatial attention. NeuroImage, 2003, 18, 633-641.	4.2	291
14	Larger deficits in brain networks for response inhibition than for visual selective attention in attention deficit hyperactivity disorder (ADHD). Journal of Child Psychology and Psychiatry and Allied Disciplines, 2005, 46, 94-111.	5.2	280
15	Impact of signal-to-noise on functional MRI. Magnetic Resonance in Medicine, 2000, 44, 925-932.	3.0	240
16	The Spatial Attention Network Interacts with Limbic and Monoaminergic Systems to Modulate Motivation-Induced Attention Shifts. Cerebral Cortex, 2008, 18, 2604-2613.	2.9	232
17	Monetary Incentives Enhance Processing in Brain Regions Mediating Top-down Control of Attention. Cerebral Cortex, 2005, 15, 1855-1865.	2.9	228
18	Orienting Attention Based on Long-Term Memory Experience. Neuron, 2006, 49, 905-916.	8.1	225

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19	Modality independence of word comprehension. Human Brain Mapping, 2002, 16, 251-261.	3.6	218
20	Attention to Odor Modulates Thalamocortical Connectivity in the Human Brain. Journal of Neuroscience, 2008, 28, 5257-5267.	3.6	218
21	Development of Brain Mechanisms for Processing Orthographic and Phonologic Representations. Journal of Cognitive Neuroscience, 2004, 16, 1234-1249.	2.3	215
22	Functional Specificity of Superior Parietal Mediation of Spatial Shifting. NeuroImage, 2001, 14, 661-673.	4.2	213
23	Brain networks for analyzing eye gaze. Cognitive Brain Research, 2003, 17, 406-418.	3.0	195
24	ILAB: A program for postexperimental eye movement analysis. Behavior Research Methods, 2002, 34, 605-612.	1.3	190
25	Neural Correlates of Rule-Based and Information-Integration Visual Category Learning. Cerebral Cortex, 2006, 17, 37-43.	2.9	187
26	Neural Correlates of Verb Argument Structure Processing. Journal of Cognitive Neuroscience, 2007, 19, 1753-1767.	2.3	167
27	On the Use of Caffeine as a Contrast Booster for BOLD fMRI Studies. NeuroImage, 2002, 15, 37-44.	4.2	163
28	Shifts of Effective Connectivity within a Language Network during Rhyming and Spelling. Journal of Neuroscience, 2005, 25, 5397-5403.	3.6	158
29	Heterogeneity of Cingulate Contributions to Spatial Attention. NeuroImage, 2001, 13, 1065-1072.	4.2	155
30	A recommended scale for cognitive screening in clinical trials of Parkinson's disease. Movement Disorders, 2010, 25, 2501-2507.	3.9	155
31	Language network specializations: An analysis with parallel task designs and functional magnetic resonance imaging. NeuroImage, 2005, 26, 975-985.	4.2	154
32	Functional imaging of human right hemispheric activation for exploratory movements. Annals of Neurology, 1996, 39, 174-179.	5.3	147
33	When the Sense of Smell Meets Emotion: Anxiety-State-Dependent Olfactory Processing and Neural Circuitry Adaptation. Journal of Neuroscience, 2013, 33, 15324-15332.	3.6	145
34	Dissociating Explicit and Implicit Category Knowledge with fMRI. Journal of Cognitive Neuroscience, 2003, 15, 574-583.	2.3	144
35	Perfusion insufficiency in limb-shaking transient ischemic attacks.. Stroke, 1990, 21, 341-347.	2.0	135
36	Relation between brain activation and lexical performance. Human Brain Mapping, 2003, 19, 155-169.	3.6	134

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37	Primary progressive aphasia: PPA and the language network. Annals of Neurology, 2003, 53, 35-49.	5.3	134
38	Neural Evidence That Vivid Imagining Can Lead to False Remembering. Psychological Science, 2004, 15, 655-660.	3.3	130
39	Altered Effective Connectivity within the Language Network in Primary Progressive Aphasia. Journal of Neuroscience, 2007, 27, 1334-1345.	3.6	129
40	Neural Correlates of Successful Encoding Identified Using Functional Magnetic Resonance Imaging. Journal of Neuroscience, 2002, 22, 9541-9548.	3.6	125
41	Functional Anatomy of Visual Search: Regional Segregations within the Frontal Eye Fields and Effective Connectivity of the Superior Colliculus. NeuroImage, 2002, 15, 970-982.	4.2	124
42	Basolateral Amygdala Response to Food Cues in the Absence of Hunger Is Associated with Weight Gain Susceptibility. Journal of Neuroscience, 2015, 35, 7964-7976.	3.6	124
43	The Development of Specialized Brain Systems in Reading and Oral-Language. Child Neuropsychology, 2001, 7, 119-141.	1.3	108
44	Neural correlates of sexual arousal in homosexual and heterosexual men.. Behavioral Neuroscience, 2007, 121, 237-248.	1.2	104
45	Developmental changes in activation and effective connectivity in phonological processing. NeuroImage, 2007, 38, 564-575.	4.2	99
46	Voxel-Based Morphometry of Herpes Simplex Encephalitis. NeuroImage, 2001, 13, 623-631.	4.2	96
47	Impact of signal-to-noise on functional MRI of the human amygdala. NeuroReport, 2001, 12, 3461-3464.	1.2	94
48	Taste and olfactory intensity perception changes following left insular stroke.. Behavioral Neuroscience, 2005, 119, 1693-1700.	1.2	93
49	Effective Connectivity and Intersubject Variability: Using a Multisubject Network to Test Differences and Commonalities. NeuroImage, 2002, 17, 1459-1469.	4.2	92
50	Weaker topâ€“down modulation from the left inferior frontal gyrus in children. NeuroImage, 2006, 33, 991-998.	4.2	89
51	Dopamine agonists reorient visual exploration away from the neglected hemispace. Neurology, 1998, 51, 1395-1398.	1.1	83
52	Neural Correlates of Person Recognition. Learning and Memory, 2003, 10, 253-260.	1.3	82
53	Identification of critical areas for motor function recovery in chronic stroke subjects using voxel-based lesion symptom mapping. NeuroImage, 2010, 49, 9-18.	4.2	79
54	Neural systems that encode categorical versus coordinate spatial relations: PET investigations. Cognitive, Affective and Behavioral Neuroscience, 1998, 26, 333-347.	1.3	78

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55	Emotional curiosity: modulation of visuospatial attention by arousal is preserved in aging and early-stage Alzheimerâ€™s disease. Neuropsychologia, 2000, 38, 1734-1740.	1.6	77
56	Neural correlates of evaluative compared with passive tasting. European Journal of Neuroscience, 2009, 30, 327-338.	2.6	77
57	Location- or Feature-Based Targeting of Peripheral Attention. NeuroImage, 2001, 14, 37-47.	4.2	74
58	Neural Correlates of Artificial Grammar Learning. NeuroImage, 2002, 17, 1306-1314.	4.2	72
59	Alterations of visual search strategy in Alzheimer's disease and aging.. Neuropsychology, 2000, 14, 398-408.	1.3	71
60	Neuropathology of Autosomal Dominant Alzheimer Disease in the National Alzheimer Coordinating Center Database. Journal of Neuropathology and Experimental Neurology, 2016, 75, 284-290.	1.7	71
61	The synthesis of some proteins is affected in RNA processing mutants of Escherichia coli. Biochemical and Biophysical Research Communications, 1980, 96, 1063-1070.	2.1	70
62	The Anterior Insular Cortex Represents Breaches of Taste Identity Expectation. Journal of Neuroscience, 2011, 31, 14735-14744.	3.6	68
63	Modality-specific and -independent developmental differences in the neural substrate for lexical processing. Journal of Neurolinguistics, 2003, 16, 383-405.	1.1	65
64	Real-Time Monitoring of Eye Movements Using Infrared Video-oculography during Functional Magnetic Resonance Imaging of the Frontal Eye Fields. NeuroImage, 2000, 11, 58-65.	4.2	64
65	Muscarinic and nicotinic contributions to cognitive function and cortical blood flow. Neurobiology of Aging, 1992, 13, 313-318.	3.1	62
66	Diffusion imaging of nigral alterations in early Parkinson's disease with dopaminergic deficits. Movement Disorders, 2015, 30, 1885-1892.	3.9	52
67	Cerebral hemispheric specialization for spatial attention: spatial distribution of search-related eye fixations in the absence of neglect. Neuropsychologia, 2003, 41, 1396-1409.	1.6	50
68	Anatomical Physiology of Spatial Extinction. Cerebral Cortex, 2007, 17, 2892-2898.	2.9	47
69	Sleep deprivation alters functioning within the neural network underlying the covert orienting of attention. Brain Research, 2008, 1217, 148-156.	2.2	46
70	Effects of Donepezil on Cognitive Functioning in Down Syndrome. American Journal on Intellectual and Developmental Disabilites, 2003, 108, 367.	2.4	44
71	The â€œZoom Lensâ€•of Focal Attention in Visual Search: Changes in Aging and Alzheimer's Disease. Cortex, 2005, 41, 512-519.	2.4	44
72	Decay of RNA in RNA processing mutants of Escherichia coli. Molecular Genetics and Genomics, 1980, 177, 339-343.	2.4	38

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73	The insular taste cortex contributes to odor quality coding. Frontiers in Human Neuroscience, 2010, 4, .	2.0	38
74	Dynamic Allocation of Attention in Aging and Alzheimer Disease. Archives of Neurology, 2001, 58, 1443.	4.5	36
75	Improving clinical cognitive testing. Neurology, 2015, 85, 910-918.	1.1	36
76	EEG Measures Index Neural and Cognitive Recovery from Sleep Deprivation. Journal of Neuroscience, 2010, 30, 2686-2693.	3.6	33
77	Alterations of visual search strategy in Alzheimer's disease and aging.. Neuropsychology, 2000, 14, 398-408.	1.3	33
78	Primary progressive aphasia: Reversed asymmetry of atrophy and right hemisphere language dominance. Neurology, 2005, 64, 556-557.	1.1	32
79	Pilot Trial of Memantine in Primary Progressive Aphasia. Alzheimer Disease and Associated Disorders, 2010, 24, 308.	1.3	32
80	Vasectomy in Men With Primary Progressive Aphasia. Cognitive and Behavioral Neurology, 2006, 19, 190-193.	0.9	31
81	Selective impairment of morphosyntactic production in a neurological patient. Journal of Neurolinguistics, 2002, 15, 189-207.	1.1	30
82	Olfactory-visual integration facilitates perception of subthreshold negative emotion. Neuropsychologia, 2015, 77, 288-297.	1.6	29
83	Functional changes in temporal lobe activity during transient global amnesia. Neurology, 2002, 58, 638-641.	1.1	28
84	Attention and its disorders. British Medical Bulletin, 2003, 65, 21-34.	6.9	28
85	Reduced prefrontal activation during working and longâ€term memory tasks and impaired patientâ€reported cognition among cancer survivors postchemotherapy compared with healthy controls. Cancer, 2016, 122, 258-268.	4.1	28
86	The posterior cingulate cortex and anticipatory shifts of spatial attention. NeuroImage, 2001, 13, 360.	4.2	26
87	Functional neuronal network activity differs with cognitive dysfunction in childhood-onset systemic lupus erythematosus. Arthritis Research and Therapy, 2013, 15, R40.	3.5	25
88	Brain Morphometric Changes Associated With Childhoodâ€Onset Systemic Lupus Erythematosus and Neurocognitive Deficit. Arthritis and Rheumatism, 2013, 65, 2190-2200.	6.7	25
89	Priming Effects in the Fusiform Gyrus: Changes in Neural Activity beyond the Second Presentation. Cerebral Cortex, 2005, 15, 787-795.	2.9	24
90	Modulation of the spatial attention network by incentives in healthy aging and mild cognitive impairment. Neuropsychologia, 2008, 46, 2943-2948.	1.6	24

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91	Brain-behavior correlation in children depends on the neurocognitive network. Human Brain Mapping, 2004, 23, 99-108.	3.6	23
92	Effects of acute levodopa challenge on resting cerebral blood flow in Parkinsonâ€™s Disease patients assessed using pseudo-continuous arterial spin labeling. PeerJ, 2015, 3, e1381.	2.0	23
93	Filtering of Distractors during Visual Search Studied by Positron Emission Tomography. NeuroImage, 2002, 16, 968-976.	4.2	22
94	An fMRI Study of the Interactions Between the Attention and the Gustatory Networks. Chemosensory Perception, 2012, 5, 117-127.	1.2	18
95	Childhood-onset lupus with clinical neurocognitive dysfunction shows lower streamline density and pairwise connectivity on diffusion tensor imaging. Lupus, 2015, 24, 1081-1086.	1.6	16
96	Neural Connectivity in Syntactic Movement Processing. Frontiers in Human Neuroscience, 2019, 13, 27.	2.0	15
97	Safety of Hypercapnic Challenge: Cardiovascular and Neurologic Considerations. Journal of Cerebral Blood Flow and Metabolism, 1991, 11, 1036-1040.	4.3	8
98	Adult polyglucosan body disease with <scp>GBE1</scp> haploinsufficiency and concomitant frontotemporal lobar degeneration. Neuropathology and Applied Neurobiology, 2014, 40, 778-782.	3.2	7
99	Cognitive Impairment in Aging Physicians. Neurology: Clinical Practice, 2021, 11, 167-174.	1.6	7
100	A Heteromodal Large-Scale Network for Spatial Attention. , 2005, , 29-34.		7
101	A mathematical model and image analysis technique for calculating regional cerebral blood flow. Computer Methods and Programs in Biomedicine, 1989, 29, 59-69.	4.7	4
102	Neural correlates of word class processing: An fMRI study. Brain and Language, 2004, 91, 15-16.	1.6	3
103	Electromyography as a Recording System for Eyeblink Conditioning with Functional Magnetic Resonance Imaging. NeuroImage, 2002, 17, 977-987.	4.2	3
104	Hunger selectively modulates corticolimbic activation to food stimuli in humans.. Behavioral Neuroscience, 2001, 115, 493-500.	1.2	3
105	Simultaneous Assessment of Motor and Language Areas with a Single Functional MR Imaging Paradigm: Feasibility. Radiology, 2005, 236, 655-660.	7.3	1
106	Pearls & Oy-sters: Functional MRI. Neurology, 2012, 78, e68-71.	1.1	1
107	Clinical Reasoning: A woman with rapidly progressive apraxia. Neurology, 2013, 80, e162-5.	1.1	1
108	Default Mode Network: Potential Biomarker for Mild Cognitive Impairment in Parkinsonâ€™s Disease. Archives of Physical Medicine and Rehabilitation, 2015, 96, e91-e92.	0.9	1

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109	3Anatomical and functional analysis of language network changes in primary progressive aphasia. NeuroImage, 2001, 13, 608.	4.2	0
110	Cognitive neuroimaging for all!. Trends in Neurosciences, 2002, 25, 275.	8.6	0
111	Imaging studies as biomarkers of Parkinsonâ€™s disease. Imaging in Medicine, 2012, 4, 263-266.	0.0	0