Sharlene D Newman

List of Publications by Year
in descending order

96	2,859	257357 24	189801 50
papers	citations	h-index	g-index

103	103	103	3847
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Learning to Decode Cognitive States from Brain Images. Machine Learning, 2004, 57, 145-175.	3.4	535
2	Frontal and parietal participation in problem solving in the Tower of London: fMRI and computational modeling of planning and high-level perception. Neuropsychologia, 2003, 41, 1668-1682.	0.7	314
3	Differential effects of syntactic and semantic processing on the subregions of Brocaâ€™s area. Cognitive Brain Research, 2003, 16, 297-307.	3.3	163
4	Imagery in sentence comprehension: an fMRI study. NeuroImage, 2004, 21, 112-124.	2.1	112
5	Imagining material versus geometric properties of objects: an fMRI study. Cognitive Brain Research, 2005, 23, 235-246.	3.3	98
6	Differences in auditory processing of words and pseudowords: An fMRI study. Human Brain Mapping, 2001, 14, 39-47.	1.9	93
7	The effect of semantic relatedness on syntactic analysis: An fMRI study. Brain and Language, 2010, 113, 51-58.	0.8	75
8	Baseline conditions and subtractive logic in neuroimaging. Human Brain Mapping, 2001, 14, 228-235.	1.9	72
9	Disrupted Modular Architecture of Cerebellum in Schizophrenia: A Graph Theoretic Analysis. Schizophrenia Bulletin, 2014, 40, 1216-1226.	2.3	67
10	Nodal centrality of functional network in the differentiation of schizophrenia. Schizophrenia Research, 2015, 168, 345-352.	1.1	57
11	The sensitivity of diffusion MRI to microstructural properties and experimental factors. Journal of Neuroscience Methods, 2021, 347, 108951.	1.3	53
12	Changes in White-Matter Connectivity in Late Second Language Learners: Evidence from Diffusion Tensor Imaging. Frontiers in Psychology, 2017, 8, 2040.	1.1	52
13	The Synchronization of the Human Cortical Working Memory Network. NeuroImage, 2002, 15, 810-822.	2.1	51
14	An fMRI study of the Tower of London: A look at problem structure differences. Brain Research, 2009, 1286, 123-132.	1.1	51
15	You can count on your fingers: The role of fingers in early mathematical development. Journal of Numerical Cognition, 2018, 4, 107-135.	0.6	49
16	Volitional control of attention and brain activation in dual task performance. Human Brain Mapping, 2007, 28, 109-117.	1.9	45
17	Cerebellum volume and eyeblink conditioning in schizophrenia. Psychiatry Research - Neuroimaging, 2008, 162, 185-194.	0.9	37
18	An fMRI Study of the Impact of Block Building and Board Games on Spatial Ability. Frontiers in Psychology, 2016, 7, 1278.	1.1	35

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19	Structural Network Topology Revealed by White Matter Tractography in Cannabis Users: A Graph Theoretical Analysis. Brain Connectivity, 2011, 1, 473-483.	0.8	32
20	The Effect of Individual Differences in Working Memory Capacity on Sentence Comprehension: An fMRI Study. Brain Topography, 2013, 26, 458-467.	0.8	32
21	Does finger sense predict addition performance?. Cognitive Processing, 2016, 17, 139-146.	0.7	32
22	The Tower of London: A study of the effect of problem structure on planning. Journal of Clinical and Experimental Neuropsychology, 2007, 29, 333-342.	0.8	29
23	Anatomically ordered tapping interferes more with one-digit addition than two-digit addition: a dual-task fMRI study. Cognitive Processing, 2016, 17, 67-77.	0.7	28
24	Cerebellarâ€“cortical dysconnectivity in restingâ€state associated with sensorimotor tasks in schizophrenia. Human Brain Mapping, 2020, 41, 3119-3132.	1.9	28
25	Offâ€line sentence processing: What is involved in answering a comprehension probe?. Human Brain Mapping, 2009, 30, 2499-2511.	1.9	25
26	Effects of Alcohol Cues on MRS Glutamate Levels in the Anterior Cingulate. Alcohol and Alcoholism, 2018, 53, 209-215.	0.9	25
27	Embracing diversity and inclusivity in an academic setting: Insights from the Organization for Human Brain Mapping. NeuroImage, 2021, 229, 117742.	2.1	25
28	The effect of problem structure on problem-solving: An fMRI study of word versus number problems. Brain Research, 2011, 1410, 77-88.	1.1	24
29	The impact of finger counting habits on arithmetic in adults and children. Psychological Research, 2014, 78, 549-556.	1.0	24
30	Aberrant structuralâ€“functional coupling in adult cannabis users. Human Brain Mapping, 2019, 40, 252-261.	1.9	24
31	The effect of presentation paradigm on syntactic processing: An eventâ€related fMRI study. Human Brain Mapping, 2010, 31, 65-79.	1.9	23
32	Phonological substitution errors in L2 ASL sentence processing by hearing M2L2 learners. Second Language Research, 2016, 32, 347-366.	1.2	23
33	Impaired Effective Connectivity During a Cerebellar-Mediated Sensorimotor Synchronization Task in Schizophrenia. Schizophrenia Bulletin, 2019, 45, 531-541.	2.3	23
34	Alterations in White Matter Microstructure and Connectivity in Young Adults with Alcohol Use Disorder. Alcoholism: Clinical and Experimental Research, 2019, 43, 1170-1179.	1.4	22
35	Modality-specific processing precedes amodal linguistic processing during L2 sign language acquisition: A longitudinal study. Cortex, 2016, 75, 56-67.	1.1	20
36	Impacts of Visual Sonority and Handshape Markedness on Second Language Learning of American Sign Language. Journal of Deaf Studies and Deaf Education, 2016, 21, 171-186.	0.7	20

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37	Neural signatures of inhibitory control in bilingual spoken production. Cortex, 2018, 108, 50-66.	1.1	20
38	Neural Correlates of Verb Fluency Performance in Cognitively Healthy Older Adults and Individuals With Dementia: A Pilot fMRI Study. Frontiers in Aging Neuroscience, 2020, 12, 73.	1.7	20
39	Does degree of handedness in a group of right-handed individuals affect language comprehension?. Brain and Cognition, 2014, 86, 98-103.	0.8	18
40	Comparing fMRI activation during smooth pursuit eye movements among contact sport athletes, non-contact sport athletes, and non-athletes. NeuroImage: Clinical, 2018, 18, 413-424.	1.4	17
41	Disturbances of postural sway components in cannabis users. Drug and Alcohol Dependence, 2018, 190, 54-61.	1.6	17
42	Segmentation of the brain using direction-averaged signal of DWI images. Magnetic Resonance Imaging, 2020, 69, 1-7.	1.0	17
43	Test-retest reliability in an fMRI study of naming in dementia. Brain and Language, 2019, 191, 31-45.	0.8	15
44	Neural signatures of inhibitory control in intra-sentential code-switching: Evidence from fMRI. Journal of Neurolinguistics, 2021, 57, 100938.	0.5	14
45	Modality-independent neural mechanisms for novel phonetic processing. Brain Research, 2015, 1620, 107-115.	1.1	13
46	The differential relationship between finger gnosis, and addition and subtraction: An fMRI study. Journal of Numerical Cognition, 2017, 3, 694-715.	0.6	13
47	White matter abnormalities of microstructure and physiological noise in schizophrenia. Brain Imaging and Behavior, 2015, 9, 868-877.	1.1	12
48	Neural bases of syntaxâ€“semantics interface processing. Cognitive Neurodynamics, 2015, 9, 317-329.	2.3	12
49	An investigation of the relationship between glutamate and resting state connectivity in chronic cannabis users. Brain Imaging and Behavior, 2020, 14, 2062-2071.	1.1	12
50	An investigation of glutamate quantification with PRESS and MEGAâ€PRESS. NMR in Biomedicine, 2021, 34, e4453.	1.6	12
51	Association Between Proteomic Blood Biomarkers and DTI/NODDI Metrics in Adolescent Football Players: A Pilot Study. Frontiers in Neurology, 2020, 11, 581781.	1.1	11
52	Differences in cognitive ability and apparent sex differences in corpus callosum size. Psychological Research, 2016, 80, 853-859.	1.0	9
53	ADHD May Associate With Reduced Tolerance to Acute Subconcussive Head Impacts: A Pilot Case-Control Intervention Study. Journal of Attention Disorders, 2022, 26, 125-139.	1.5	9
54	Does Chronic Cannabis Use Impact Risky Decision-Making: An Examination of fMRI Activation and Effective Connectivity?. Frontiers in Psychiatry, 2020, 11, 599256.	1.3	9

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55	Altered cerebellar-cortical resting-state functional connectivity in cannabis users. Journal of Psychopharmacology, 2021, 35, 823-832.	2.0	9
56	Interlanguage dynamics and lexical networks in nonnative L2 signers of ASL: cross-modal rhyme priming. Bilingualism, 2016, 19, 453-470.	1.0	8
57	THE BENEFICIAL ROLE OF L1 SPOKEN LANGUAGE SKILLS ON INITIAL L2 SIGN LANGUAGE LEARNING. Studies in Second Language Acquisition, 2017, 39, 833-850.	1.8	8
58	When embeddedness matters: Electrophysiological evidence for the role of head noun position in Chinese relative clause processing. Journal of Neurolinguistics, 2019, 51, 236-257.	0.5	8
59	Association between History of Concussion and Substance Use Is Mediated by Mood Disorders. Journal of Neurotrauma, 2020, 37, 146-151.	1.7	8
60	Both activation and deactivation of functional networks support increased sentence processing costs. NeuroImage, 2021, 225, 117475.	2.1	8
61	The effect of lexical priming on sentence comprehension: An fMRI study. Brain Research, 2009, 1285, 99-108.	1.1	7
62	Neural bases of event knowledge and syntax integration in comprehension of complex sentences. Neurocase, 2015, 21, 753-766.	0.2	7
63	Sparse representation of DWI images for fully automated brain tissue segmentation. Journal of Neuroscience Methods, 2020, 343, 108828.	1.3	7
64	The homophone effect during visual word recognition in children: an fMRI study. Psychological Research, 2012, 76, 280-291.	1.0	6
65	Bimodal bilingualism as multisensory training?: Evidence for improved audiovisual speech perception after sign language exposure. Brain Research, 2016, 1633, 101-110.	1.1	6
66	Game Mechanics Matter: Differences in Video Game Conditions Influence Memory Performance. Communication Research Reports, 2018, 35, 222-231.	1.0	6
67	The impact of inverted text on visual word processing: An fMRI study. Brain and Cognition, 2018, 123, 1-9.	0.8	6
68	Decoding cognitive subtasks of complex problem solving using fMRI signals. , 2018, , .		6
69	L2 speech perception in noise: An fMRI study of advanced Spanish learners. Brain Research, 2019, 1720, 146316.	1.1	6
70	Differential Cognitive Performance in Females and Males with Regular Cannabis Use. Journal of the International Neuropsychological Society, 2021, 27, 570-580.	1.2	6
71	Effects of concurrent action and object naming treatment on naming skills and functional brain activation patterns in primary progressive aphasia: An fMRI study with a case-series design. Brain and Language, 2021, 218, 104950.	0.8	6
72	The neural bases of argument structure processing revealed by primed lexical decision. Cortex, 2014, 57, 198-211.	1.1	5

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73	Dyslexia and configural perception of character sequences. Frontiers in Psychology, 2015, 6, 482.	1.1	5
74	A dynamic network representation of fMRI for modeling and analyzing the problem solving task. , 2018, , .		5
75	Spoken Language Activation Alters Subsequent Sign Language Activation in L2 Learners of American Sign Language. Journal of Psycholinguistic Research, 2017, 46, 211-225.	0.7	4
76	Cerebellar Activation Deficits in Schizophrenia During an Eyeblink Conditioning Task. Schizophrenia Bulletin Open, 2021, 2, sgab040.	0.9	4
77	Collegiate athlete brain data for white matter mapping and network neuroscience. Scientific Data, 2021, 8, 56.	2.4	4
78	Anterior cingulate cortex metabolites and white matter microstructure: a multimodal study of emergent alcohol use disorder. Brain Imaging and Behavior, 2021, 15, 2436-2444.	1.1	4
79	The Timecourse of Activation Within the Cortical Network Associated with Visual Imagery. Open Neuroimaging Journal, 2007, 1, 1-9.	0.2	4
80	Connections between Fingerspelling and Print: The Impact of Working Memory and Temporal Dynamics on Lexical Activation. Sign Language Studies, 2016, 16, 157-183.	0.1	3
81	Pseudo-Bootstrap Network Analysisâ€”an Application in Functional Connectivity Fingerprinting. Frontiers in Human Neuroscience, 2017, 11, 351.	1.0	3
82	Neural substrates of sign language vocabulary processing in less-skilled hearing M2L2 signers: Evidence for difficult phonological movement perception. Bilingualism, 2018, 21, 550-562.	1.0	3
83	Comprehending the topic of a paragraph: a functional imaging study of a complex language process. DELTA Documentacao De Estudos Em Linguistica Teorica E Aplicada, 2008, 24, 175-197.	0.0	3
84	Cognitiveâ€“Linguistic Functions in Adults With Epilepsy: Preliminary Electrophysiological and Behavioral Findings. Journal of Speech, Language, and Hearing Research, 2020, 63, 2403-2417.	0.7	3
85	When syntactic errors go unnoticed: an fMRI study of the effect of semantics on syntax. Ilha Do Desterro, 2012, .	0.0	2
86	A magnetic resonance imaging-safe method for the study of human eyeblink conditioning. Journal of Neuroscience Methods, 2013, 216, 16-21.	1.3	2
87	Editorial: Towards an Understanding of the Relationship Between Spatial Processing Ability and Numerical and Mathematical Cognition. Frontiers in Psychology, 2020, 11, 14.	1.1	2
88	Analyzing Complex Problem Solving by Dynamic Brain Networks. Frontiers in Neuroinformatics, 2021, 15, 670052.	1.3	2
89	Gray Matter Correlates of Finger Gnosis in Children: A VBM Study. Neuroscience, 2019, 404, 82-90.	1.1	1
90	Structured versus free block play: the impact on arithmetic processing. Trends in Neuroscience and Education, 2021, 22, 100146.	1.5	1

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91	Spatial training using game play in preschoolers improves computational skills. Mathematical Thinking and Learning, 2023, 25, 252-258.	0.7	1
92	Association Between Hormonal Birth Control, Substance Use, and Depression. Frontiers in Psychiatry, 2022, 13, 772412.	1.3	1
93	The relationship between cannabis use and taurine: A MRS and metabolomics study. PLoS ONE, 2022, 17, e0269280.	1.1	1
94	Modeling and Decoding Complex Problem Solving Process by Artificial Neural Networks. , 2019, , .		0
95	A Mixed-Effects Model of Associations between Interleukin-6 and Hippocampal Volume. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, , .	1.7	0
96	The Timecourse of Activation Within the Cortical Network Associated with Visual Imagery. Open Neuroimaging Journal, 2007, 1, 1-9.	0.2	0