

# Daniel E Callan

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

3,137  
citations

172457

29  
h-index

223800

46  
g-index

59  
all docs

59  
docs citations

59  
times ranked

3155  
citing authors

#	ARTICLE	IF	CITATIONS
1	Visual Prosody and Speech Intelligibility. <i>Psychological Science</i> , 2004, 15, 133-137.	3.3	384
2	Song and speech: Brain regions involved with perception and covert production. <i>NeuroImage</i> , 2006, 31, 1327-1342.	4.2	241
3	Phonetic perceptual identification by native- and second-language speakers differentially activates brain regions involved with acoustic phonetic processing and those involved with articulatory auditory/orosensory internal models. <i>NeuroImage</i> , 2004, 22, 1182-1194.	4.2	233
4	Neural processes underlying perceptual enhancement by visual speech gestures. <i>NeuroReport</i> , 2003, 14, 2213-2218.	1.2	163
5	Learning-induced neural plasticity associated with improved identification performance after training of a difficult second-language phonetic contrast. <i>NeuroImage</i> , 2003, 19, 113-124.	4.2	162
6	An Auditory-Feedback-Based Neural Network Model of Speech Production That Is Robust to Developmental Changes in the Size and Shape of the Articulatory System. <i>Journal of Speech, Language, and Hearing Research</i> , 2000, 43, 721-736.	1.6	139
7	Brain activity during audiovisual speech perception: An fMRI study of the McGurk effect. <i>NeuroReport</i> , 2003, 14, 1129-1133.	1.2	139
8	Attentional modulation of oscillatory activity in human visual cortex. <i>NeuroImage</i> , 2003, 20, 98-113.	4.2	131
9	Giving speech a hand: Gesture modulates activity in auditory cortex during speech perception. <i>Human Brain Mapping</i> , 2009, 30, 1028-1037.	3.6	110
10	Multisensory Integration Sites Identified by Perception of Spatial Wavelet Filtered Visual Speech Gesture Information. <i>Journal of Cognitive Neuroscience</i> , 2004, 16, 805-816.	2.3	106
11	Attentional shifts towards an expected visual target alter the level of alpha-band oscillatory activity in the human calcarine cortex. <i>Cognitive Brain Research</i> , 2005, 25, 799-809.	3.0	105
12	Multimodal contribution to speech perception revealed by independent component analysis: a single-sweep EEG case study. <i>Cognitive Brain Research</i> , 2001, 10, 349-353.	3.0	88
13	Premotor cortex mediates perceptual performance. <i>NeuroImage</i> , 2010, 51, 844-858.	4.2	84
14	Attentional changes in pre-stimulus oscillatory activity within early visual cortex are predictive of human visual performance. <i>Brain Research</i> , 2008, 1197, 115-122.	2.2	76
15	Positive and negative modulation of word learning by reward anticipation. <i>Human Brain Mapping</i> , 2008, 29, 237-249.	3.6	70
16	Speech and song: The role of the cerebellum. <i>Cerebellum</i> , 2007, 6, 321-327.	2.5	66
17	Neural Processes Distinguishing Elite from Expert and Novice Athletes. <i>Cognitive and Behavioral Neurology</i> , 2014, 27, 183-188.	0.9	61
18	When meaningless symbols become letters: Neural activity change in learning new phonograms. <i>NeuroImage</i> , 2005, 28, 553-562.	4.2	49

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19	Altered integration of speech and gesture in children with autism spectrum disorders. <i>Brain and Behavior</i> , 2012, 2, 606-619.	2.2	45
20	A Tool for Classifying Individuals with Chronic Back Pain: Using Multivariate Pattern Analysis with Functional Magnetic Resonance Imaging Data. <i>PLoS ONE</i> , 2014, 9, e98007.	2.5	44
21	Simultaneous tDCS-fMRI Identifies Resting State Networks Correlated with Visual Search Enhancement. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 72.	2.0	43
22	Classification of single-trial auditory events using dry-wireless EEG during real and motion simulated flight. <i>Frontiers in Systems Neuroscience</i> , 2015, 9, 11.	2.5	42
23	Neural correlates of the spacing effect in explicit verbal semantic encoding support the deficientâ€œprocessing theory. <i>Human Brain Mapping</i> , 2010, 31, 645-659.	3.6	39
24	Forced-choice associative recognition: Implications for global-memory models.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 1993, 19, 871-881.	0.9	37
25	Self-Organizing Map for the Classification of Normal and Disordered Female Voices. <i>Journal of Speech, Language, and Hearing Research</i> , 1999, 42, 355-366.	1.6	35
26	Neural signature of inattentive deafness. <i>Human Brain Mapping</i> , 2017, 38, 5440-5455.	3.6	35
27	Differential activation of brain regions involved with error-feedback and imitation based motor simulation when observing self and an expert's actions in pilots and non-pilots on a complex glider landing task. <i>NeuroImage</i> , 2013, 72, 55-68.	4.2	34
28	Multisensory and modality specific processing of visual speech in different regions of the premotor cortex. <i>Frontiers in Psychology</i> , 2014, 5, 389.	2.1	34
29	Dynamic Visuomotor Transformation Involved with Remote Flying of a Plane Utilizes the â€œMirror Neuronâ€™ System. <i>PLoS ONE</i> , 2012, 7, e33873.	2.5	33
30	Disruption in neural phase synchrony is related to identification of inattentive deafness in realâ€œworld setting. <i>Human Brain Mapping</i> , 2018, 39, 2596-2608.	3.6	32
31	Single-sweep EEG analysis of neural processes underlying perception and production of vowels. <i>Cognitive Brain Research</i> , 2000, 10, 173-176.	3.0	28
32	Neural correlates of resolving uncertainty in driver's decision making. <i>Human Brain Mapping</i> , 2009, 30, 2804-2812.	3.6	25
33	Neural correlates of sound externalization. <i>NeuroImage</i> , 2013, 66, 22-27.	4.2	23
34	Music Improvisation Is Characterized by Increase EEG Spectral Power in Prefrontal and Perceptual Motor Cortical Sources and Can be Reliably Classified From Non-improvisatory Performance. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 435.	2.0	23
35	Neural processes involved with perception of non-native durational contrasts. <i>NeuroReport</i> , 2006, 17, 1353-1357.	1.2	21
36	An fMRI Study of the Ventriloquism Effect. <i>Cerebral Cortex</i> , 2015, 25, 4248-4258.	2.9	19

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37	The Brain Is Faster than the Hand in Split-Second Intentions to Respond to an Impending Hazard: A Simulation of Neuroadaptive Automation to Speed Recovery to Perturbation in Flight Attitude. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 187.	2.0	19
38	Speech motor brain regions are differentially recruited during perception of native and foreign-accented phonemes for first and second language listeners. <i>Frontiers in Neuroscience</i> , 2014, 8, 275.	2.8	18
39	Individual differences in learning correlate with modulation of brain activity induced by transcranial direct current stimulation. <i>PLoS ONE</i> , 2018, 13, e0197192.	2.5	17
40	Brain activity underlying auditory perceptual learning during short period training: simultaneous fMRI and EEG recording. <i>BMC Neuroscience</i> , 2013, 14, 8.	1.9	16
41	A pBCI to Predict Attentional Error Before it Happens in Real Flight Conditions. , 2019, , .		16
42	Decoding acute pain with combined EEG and physiological data. , 2017, , .		10
43	Neuroergonomics for Aviation. , 2019, , 55-58.		8
44	A Neuroergonomics Approach to Measure Pilot's Cognitive Incapacitation in the Real World with EEG. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 111-117.	0.6	6
45	Neural Networks Applied to Retrocochlear Diagnosis. <i>Journal of Speech, Language, and Hearing Research</i> , 1999, 42, 287-299.	1.6	4
46	Cerebellar Control of Speech and Song. , 2013, , 1191-1199.		3
47	Structural Differences in Gray Matter between Glider Pilots and Non-Pilots. A Voxel-Based Morphometry Study. <i>Frontiers in Neurology</i> , 2014, 5, 248.	2.4	3
48	Decoding music-induced experienced emotions using functional magnetic resonance imaging - Preliminary results. , 2018, , .		3
49	The Use of tDCS and rTMS Methods in Neuroergonomics. , 2019, , 31-33.		3
50	Analysis of the ballistocardiographic artifact removal in simultaneous EEG-fMRI recording using independent component analysis and coherence function. , 2013, , .		2
51	Cerebellum, Basal Ganglia, and Cortex Mediate Performance of an Aerial Pursuit Task. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 29.	2.0	1
52	The Importance of Spatiotemporal Information in Biological Motion Perception: White Noise Presented with a Step-like Motion Activates the Biological Motion Area. <i>Journal of Cognitive Neuroscience</i> , 2017, 29, 277-285.	2.3	0
53	Neuroergonomic Multimodal Neuroimaging During a Simulated Aviation Pursuit Task. , 2018, , 317-318.		0
54	Neuromodulatory Effects of Transcranial Direct Current Stimulation Revealed by Functional Magnetic Resonance Imaging. , 2019, , 143-145.		0

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55	Cerebellar Control of Speech and Song. , 2019, , 1-14.		0
56	Developing a tDCS-Enhanced Dual-Task Flight Simulator for Evaluating Learning. Advances in Intelligent Systems and Computing, 2021, , 149-155.	0.6	0
57	Cerebellar Control of Speech and Song. , 2022, , 1345-1358.		0