

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	Cerebellar Control of Speech and Song. , 2022, , 1345-1358.		0
2	A Neuroergonomics Approach to Measure Pilotâ€™s Cognitive Incapacitation in the Real World with EEG. Advances in Intelligent Systems and Computing, 2021, , 111-117.	0.6	6
3	Developing a tDCS-Enhanced Dual-Task Flight Simulator for Evaluating Learning. Advances in Intelligent Systems and Computing, 2021, , 149-155.	0.6	0
4	Cerebellum, Basal Ganglia, and Cortex Mediate Performance of an Aerial Pursuit Task. Frontiers in Human Neuroscience, 2020, 14, 29.	2.0	1
5	A pBCI to Predict Attentional Error Before it Happens in Real Flight Conditions. , 2019, , .		16
6	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. Frontiers in Human Neuroscience, 2019, 13, 435.	2.0	23
7	Neuroergonomics for Aviation. , 2019, , 55-58.		8
8	Neuromodulatory Effects of Transcranial Direct Current Stimulation Revealed by Functional Magnetic Resonance Imaging. , 2019, , 143-145.		0
9	The Use of tDCS and rTMS Methods in Neuroergonomics. , 2019, , 31-33.		3
10	Cerebellar Control of Speech and Song. , 2019, , 1-14.		0
11	Disruption in neural phase synchrony is related to identification of inattentive deafness in real-world setting. Human Brain Mapping, 2018, 39, 2596-2608.	3.6	32
12	Neuroergonomic Multimodal Neuroimaging During a Simulated Aviation Pursuit Task. , 2018, , 317-318.		0
13	Decoding music-induced experienced emotions using functional magnetic resonance imaging - Preliminary results. , 2018, , .		3
14	Individual differences in learning correlate with modulation of brain activity induced by transcranial direct current stimulation. PLoS ONE, 2018, 13, e0197192.	2.5	17
15	The Importance of Spatiotemporal Information in Biological Motion Perception: White Noise Presented with a Step-like Motion Activates the Biological Motion Area. Journal of Cognitive Neuroscience, 2017, 29, 277-285.	2.3	0
16	Neural signature of inattentive deafness. Human Brain Mapping, 2017, 38, 5440-5455.	3.6	35
17	Decoding acute pain with combined EEG and physiological data. , 2017, , .		10
18	Simultaneous tDCS-fMRI Identifies Resting State Networks Correlated with Visual Search Enhancement. Frontiers in Human Neuroscience, 2016, 10, 72.	2.0	43

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19	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
20	An fMRI Study of the Ventriloquism Effect. <i>Cerebral Cortex</i> , 2015, 25, 4248-4258.	2.9	19
21	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
22	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
23	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
24	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
25	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
26	Neural Processes Distinguishing Elite from Expert and Novice Athletes. <i>Cognitive and Behavioral Neurology</i> , 2014, 27, 183-188.	0.9	61
27	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
28	Cerebellar Control of Speech and Song. , 2013, , 1191-1199.		3
29	Analysis of the ballistocardiographic artifact removal in simultaneous EEG-fMRI recording using independent component analysis and coherence function. , 2013, , .		2
30	Neural correlates of sound externalization. <i>NeuroImage</i> , 2013, 66, 22-27.	4.2	23
31	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
32	Altered integration of speech and gesture in children with autism spectrum disorders. <i>Brain and Behavior</i> , 2012, 2, 606-619.	2.2	45
33	Dynamic Visuomotor Transformation Involved with Remote Flying of a Plane Utilizes the "Mirror Neuron" System. <i>PLoS ONE</i> , 2012, 7, e33873.	2.5	33
34	Neural correlates of the spacing effect in explicit verbal semantic encoding support the deficient processing theory. <i>Human Brain Mapping</i> , 2010, 31, 645-659.	3.6	39
35	Premotor cortex mediates perceptual performance. <i>NeuroImage</i> , 2010, 51, 844-858.	4.2	84
36	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

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37	Neural correlates of resolving uncertainty in driver's decision making. <i>Human Brain Mapping</i> , 2009, 30, 2804-2812.	3.6	25
38	Positive and negative modulation of word learning by reward anticipation. <i>Human Brain Mapping</i> , 2008, 29, 237-249.	3.6	70
39	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
40	Speech and song: The role of the cerebellum. <i>Cerebellum</i> , 2007, 6, 321-327.	2.5	66
41	Song and speech: Brain regions involved with perception and covert production. <i>NeuroImage</i> , 2006, 31, 1327-1342.	4.2	241
42	Neural processes involved with perception of non-native durational contrasts. <i>NeuroReport</i> , 2006, 17, 1353-1357.	1.2	21
43	When meaningless symbols become letters: Neural activity change in learning new phonograms. <i>NeuroImage</i> , 2005, 28, 553-562.	4.2	49
44	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
45	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
46	Visual Prosody and Speech Intelligibility. <i>Psychological Science</i> , 2004, 15, 133-137.	3.3	384
47	Phonetic perceptual identification by native- and second-language speakers differentially activates brain regions involved with acoustic phonetic processing and those involved with articulatory auditory/proprioceptive internal models. <i>NeuroImage</i> , 2004, 22, 1182-1194.	4.2	233
48	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
49	Attentional modulation of oscillatory activity in human visual cortex. <i>NeuroImage</i> , 2003, 20, 98-113.	4.2	131
50	Neural processes underlying perceptual enhancement by visual speech gestures. <i>NeuroReport</i> , 2003, 14, 2213-2218.	1.2	163
51	Brain activity during audiovisual speech perception: An fMRI study of the McGurk effect. <i>NeuroReport</i> , 2003, 14, 1129-1133.	1.2	139
52	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
53	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
54	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

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55	Neural Networks Applied to Retrocochlear Diagnosis. Journal of Speech, Language, and Hearing Research, 1999, 42, 287-299.	1.6	4
56	Self-Organizing Map for the Classification of Normal and Disordered Female Voices. Journal of Speech, Language, and Hearing Research, 1999, 42, 355-366.	1.6	35
57	Forced-choice associative recognition: Implications for global-memory models.. Journal of Experimental Psychology: Learning Memory and Cognition, 1993, 19, 871-881.	0.9	37