John R Iversen

List of Publications by Year
in descending order

47 papers	2,742 citations	331670 21 h-index	302126 39 g-index
57 all docs	57 docs citations	57 times ranked	1970 citing authors

#	Article	IF	Citations
1	Experimental Evidence for Synchronization to a Musical Beat in a Nonhuman Animal. Current Biology, 2009, 19, 827-830.	3.9	413
2	The evolutionary neuroscience of musical beat perception: the Action Simulation for Auditory Prediction (ASAP) hypothesis. Frontiers in Systems Neuroscience, 2014, 8, 57.	2.5	307
3	The influence of metricality and modality on synchronization with a beat. Experimental Brain Research, 2005, 163, 226-238.	1.5	248
4	Topâ€Down Control of Rhythm Perception Modulates Early Auditory Responses. Annals of the New York Academy of Sciences, 2009, 1169, 58-73.	3.8	241
5	Perception of rhythmic grouping depends on auditory experience. Journal of the Acoustical Society of America, 2008, 124, 2263-2271.	1.1	143
6	Comparing the rhythm and melody of speech and music: The case of British English and French. Journal of the Acoustical Society of America, 2006, 119, 3034-3047.	1.1	122
7	Synchronization to auditory and visual rhythms in hearing and deaf individuals. Cognition, 2015, 134, 232-244.	2.2	119
8	The development of perceptual grouping biases in infancy: A Japanese-English cross-linguistic study. Cognition, 2010, 115, 356-361.	2.2	107
9	The linguistic benefits of musical abilities. Trends in Cognitive Sciences, 2007, 11, 369-372.	7.8	103
10	Synchronization with competing visual and auditory rhythms: bouncing ball meets metronome. Psychological Research, 2013, 77, 388-398.	1.7	88
11	Studying Synchronization to a Musical Beat in Nonhuman Animals. Annals of the New York Academy of Sciences, 2009, 1169, 459-469.	3.8	77
12	Musical syntactic processing in agrammatic Broca's aphasia. Aphasiology, 2008, 22, 776-789.	2.2	75
13	Cross-Cultural Work in Music Cognition. Music Perception, 2020, 37, 185-195.	1.1	61
14	Synchronization and temporal processing. Current Opinion in Behavioral Sciences, 2016, 8, 175-180.	3.9	51
15	Closed-Loop Brainâ€“Machineâ€“Body Interfaces for Noninvasive Rehabilitation of Movement Disorders. Annals of Biomedical Engineering, 2014, 42, 1573-1593.	2.5	47
16	Motor simulation theories of musical beat perception. Neurocase, 2016, 22, 558-565.	0.6	46
17	The Role of Posterior Parietal Cortex in Beat-based Timing Perception: A Continuous Theta Burst Stimulation Study. Journal of Cognitive Neuroscience, 2018, 30, 634-643.	2.3	40
18	Running on an Incline. Journal of Biomechanical Engineering, 1992, 114, 435-441.	1.3	37

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19	Tracking an Imposed Beat within a Metrical Grid. Music Perception, 2008, 26, 1-18.	1.1	34
20	Microstructural development from 9 to 14 years: Evidence from the ABCD Study. Developmental Cognitive Neuroscience, 2022, 53, 101044.	4.0	28
21	Experimental Evidence for Synchronization to a Musical Beat in a Nonhuman Animal. Current Biology, 2009, 19, 880.	3.9	23
22	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
23	Mental health and music engagement: review, framework, and guidelines for future studies. Translational Psychiatry, 2021, 11, 370.	4.8	23
24	In the beginning was the beat. , 2016, , 281-295.		22
25	Single-trial discrimination of truthful from deceptive responses during a game of financial risk using alpha-band MEG signals. NeuroImage, 2006, 32, 465-476.	4.2	21
26	Spontaneity and diversity of movement to music are not uniquely human. Current Biology, 2019, 29, R621-R622.	3.9	19
27	The AudioMaze: An EEG and motion capture study of human spatial navigation in sparse augmented reality. European Journal of Neuroscience, 2021, 54, 8283-8307.	2.6	19
28	EEG channel interpolation using ellipsoid geodesic length. , 2016, , .		17
29	MindMusic: Playful and Social Installations at the Interface Between Music and the Brain. Gaming Media and Social Effects, 2015, , 197-229.	0.7	16
30	EEG-Based Quantification of Cortical Current Density and Dynamic Causal Connectivity Generalized across Subjects Performing BCI-Monitored Cognitive Tasks. Frontiers in Neuroscience, 2017, 11, 180.	2.8	16
31	A pBCI to Predict Attentional Error Before it Happens in Real Flight Conditions. , 2019, , .		16
32	Novel Inversions in Auditory Sequences Provide Evidence for Spontaneous Subtraction of Time and Number. Timing and Time Perception, 2014, 2, 188-209.	0.6	15
33	The Invisible Maze Task (IMT): Interactive Exploration of Sparse Virtual Environments to Investigate Action-Driven Formation of Spatial Representations. Lecture Notes in Computer Science, 2018, , 293-310.	1.3	15
34	A method for testing synchronization to a musical beat in domestic horses (Equus ferus caballus). Empirical Musicology Review, 2013, 7, 144-156.	0.2	15
35	MEG/EEG Data Analysis Using EEGLAB. , 2014, , 199-212.		12
36	Cortical mu rhythms during action and passive music listening. Journal of Neurophysiology, 2022, 127, 213-224.	1.8	10

#	Article	IF	Citations
37	Causal analysis of cortical networks involved in reaching to spatial targets. , 2014, 2014, 4399-402.		9
38	MEG/EEG Data Analysis Using EEGLAB. , 2019, , 391-406.		9
39	How Do You Feel the Rhythm: Dynamic Motor-Auditory Interactions Are Involved in the Imagination of Hierarchical Timing. Journal of Neuroscience, 2022, 42, 500-512.	3.6	9
40	It Takes Two: Interpersonal Neural Synchrony Is Increased after Musical Interaction. Brain Sciences, 2022, 12, 409.	2.3	8
41	Avian and human movement to music: Two further parallels. Communicative and Integrative Biology, 2009, 2, 485-488.	1.4	7
42	Bayesian models of human navigation behaviour in an augmented reality audiomaze. European Journal of Neuroscience, 2021, 54, 8308-8317.	2.6	5
43	Decoding music-induced experienced emotions using functional magnetic resonance imaging - Preliminary results. , 2018, , .		3
44	One Tap at a Time: Correlating Sensorimotor Synchronization with Brain Signatures of Temporal Processing. Cerebral Cortex Communications, 2020, 1, tgaa036.	1.6	2
45	EEG based inference of causal cortical network dynamics in reward-based decision making. , 2015, , .		0
46	Review of "Perception and production of linguistic and musical rhythm by Korean and English middle school students" by Lydia N. Slobodian. Empirical Musicology Review, 2008, 3, 208-214.	0.2	0
47	MEG/EEG Data Analysis Using EEGLAB. , 2019, , 1-16.		0