

Björn Herrmann

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

2,053
citations

236612

25
h-index

301761

39
g-index

53
all docs

53
docs citations

53
times ranked

1651
citing authors

#	ARTICLE	IF	CITATIONS
1	Differential Plasticity in Auditory and Prefrontal Cortices, and Cognitive-Behavioral Deficits Following Noise-Induced Hearing Loss. <i>Neuroscience</i> , 2021, 455, 1-18.	1.1	11
2	Cortical Responses to the Amplitude Envelopes of Sounds Change with Age. <i>Journal of Neuroscience</i> , 2021, 41, 5045-5055.	1.7	19
3	The effect of aging, Parkinson's disease, and exogenous dopamine on the neural response associated with auditory regularity processing. <i>Neurobiology of Aging</i> , 2020, 89, 71-82.	1.5	13
4	Absorption and Enjoyment During Listening to Acoustically Masked Stories. <i>Trends in Hearing</i> , 2020, 24, 233121652096785.	0.7	11
5	Pupil Dilation Is Sensitive to Semantic Ambiguity and Acoustic Degradation. <i>Trends in Hearing</i> , 2020, 24, 233121652096406.	0.7	13
6	A novel approach to investigate subcortical and cortical sensitivity to temporal structure simultaneously. <i>Hearing Research</i> , 2020, 398, 108080.	0.9	3
7	A model of listening engagement (MoLE). <i>Hearing Research</i> , 2020, 397, 108016.	0.9	50
8	Neural Responses and Perceptual Sensitivity to Sound Depend on Sound-Level Statistics. <i>Scientific Reports</i> , 2020, 10, 9571.	1.6	16
9	A Sound-Sensitive Source of Alpha Oscillations in Human Non-Primary Auditory Cortex. <i>Journal of Neuroscience</i> , 2019, 39, 8679-8689.	1.7	47
10	Neural signatures of temporal regularity processing in sounds differ between younger and older adults. <i>Neurobiology of Aging</i> , 2019, 83, 73-85.	1.5	34
11	Dynamics of spontaneous alpha activity correlate with language ability in young children. <i>Behavioural Brain Research</i> , 2019, 359, 56-65.	1.2	15
12	Ageing alters envelope representations of speech-like sounds in the inferior colliculus. <i>Neurobiology of Aging</i> , 2019, 73, 30-40.	1.5	44
13	Ageing Affects Adaptation to Sound-Level Statistics in Human Auditory Cortex. <i>Journal of Neuroscience</i> , 2018, 38, 1989-1999.	1.7	52
14	Neural Signatures of the Processing of Temporal Patterns in Sound. <i>Journal of Neuroscience</i> , 2018, 38, 5466-5477.	1.7	39
15	Temporal Expectation Modulates the Cortical Dynamics of Short-Term Memory. <i>Journal of Neuroscience</i> , 2018, 38, 7428-7439.	1.7	17
16	Attentional state modulates the effect of an irrelevant stimulus dimension on perception.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2018, 44, 89-105.	0.7	25
17	Revisiting the Contribution of Auditory Cortex to Frequency-Following Responses. <i>Journal of Neuroscience</i> , 2017, 37, 5218-5220.	1.7	4
18	Ageing affects dual encoding of periodicity and envelope shape in rat inferior colliculus neurons. <i>European Journal of Neuroscience</i> , 2017, 45, 299-311.	1.2	38

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19	What can we learn about beat perception by comparing brain signals and stimulus envelopes?. PLoS ONE, 2017, 12, e0172454.	1.1	30
20	Predictions interact with missing sensory evidence in semantic processing areas. Human Brain Mapping, 2016, 37, 704-716.	1.9	5
21	Temporal expectations and neural amplitude fluctuations in auditory cortex interactively influence perception. NeuroImage, 2016, 124, 487-497.	2.1	77
22	Altered temporal dynamics of neural adaptation in the aging human auditory cortex. Neurobiology of Aging, 2016, 45, 10-22.	1.5	47
23	Neural Microstates Govern Perception of Auditory Input without Rhythmic Structure. Journal of Neuroscience, 2016, 36, 860-871.	1.7	33
24	Spatiotemporal dynamics of auditory attention synchronize with speech. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3873-3878.	3.3	169
25	Slowâ€delta phase concentration marks improved temporal expectations based on the passage of time. Psychophysiology, 2015, 52, 910-918.	1.2	33
26	Statistical context shapes stimulus-specific adaptation in human auditory cortex. Journal of Neurophysiology, 2015, 113, 2582-2591.	0.9	40
27	Neural Alpha Dynamics in Younger and Older Listeners Reflect Acoustic Challenges and Predictive Benefits. Journal of Neuroscience, 2015, 35, 1458-1467.	1.7	116
28	Sensitivity of rat inferior colliculus neurons to frequency distributions. Journal of Neurophysiology, 2015, 114, 2941-2954.	0.9	15
29	Selective Attention to Temporal Features on Nested Time Scales. Cerebral Cortex, 2015, 25, 450-459.	1.6	30
30	Alpha Oscillatory Dynamics Index Temporal Expectation Benefits in Working Memory. Cerebral Cortex, 2015, 25, 1938-1946.	1.6	95
31	Simultaneous EEG-fMRI brain signatures of auditory cue utilization. Frontiers in Neuroscience, 2014, 8, 137.	1.4	12
32	Low-Frequency Neural Oscillations Support Dynamic Attending in Temporal Context. Timing and Time Perception, 2014, 2, 62-86.	0.4	107
33	Dynamic Range Adaptation to Spectral Stimulus Statistics in Human Auditory Cortex. Journal of Neuroscience, 2014, 34, 327-331.	1.7	43
34	Entrained neural oscillations in multiple frequency bands comodulate behavior. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14935-14940.	3.3	183
35	Supplementary motor area activations predict individual differences in temporal-change sensitivity and its illusory distortions. NeuroImage, 2014, 101, 370-379.	2.1	15
36	Auditory filter width affects response magnitude but not frequency specificity in auditory cortex. Hearing Research, 2013, 304, 128-136.	0.9	32

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37	Oscillatory Phase Dynamics in Neural Entrainment Underpin Illusory Percepts of Time. <i>Journal of Neuroscience</i> , 2013, 33, 15799-15809.	1.7	47
38	Frequency-specific adaptation in human auditory cortex depends on the spectral variance in the acoustic stimulation. <i>Journal of Neurophysiology</i> , 2013, 109, 2086-2096.	0.9	55
39	Processing of complex distracting sounds in school-aged children and adults: evidence from EEG and MEG data. <i>Frontiers in Psychology</i> , 2013, 4, 717.	1.1	31
40	A Precluding Role of Low-Frequency Oscillations for Auditory Perception in a Continuous Processing Mode. <i>Journal of Neuroscience</i> , 2012, 32, 17525-17527.	1.7	16
41	Finding the right control: The mismatch negativity under investigation. <i>Clinical Neurophysiology</i> , 2012, 123, 507-512.	0.7	82
42	Neural Oscillations in Speech: Don't be Enslaved by the Envelope. <i>Frontiers in Human Neuroscience</i> , 2012, 6, 250.	1.0	72
43	Auditory perception and syntactic cognition: brain activity-based decoding within and across subjects. <i>European Journal of Neuroscience</i> , 2012, 35, 1488-1496.	1.2	7
44	Dissociable neural imprints of perception and grammar in auditory functional imaging. <i>Human Brain Mapping</i> , 2012, 33, 584-595.	1.9	42
45	Syntactic and auditory spatial processing in the human temporal cortex: An MEG study. <i>NeuroImage</i> , 2011, 57, 624-633.	2.1	37
46	Maturation of obligatory auditory responses and their neural sources: Evidence from EEG and MEG. <i>NeuroImage</i> , 2011, 58, 630-639.	2.1	46
47	Violation of syntax and prosody—Disentangling their contributions to the early left anterior negativity (ELAN). <i>Neuroscience Letters</i> , 2011, 490, 116-120.	1.0	21
48	Localization of the syntactic mismatch negativity in the temporal cortex: An MEG study. <i>NeuroImage</i> , 2009, 48, 590-600.	2.1	62