

Petr

List of Publications by Year in descending order

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56
papers

4,041
citations

201674

27
h-index

168389

53
g-index

60
all docs

60
docs citations

60
times ranked

3027
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensorimotor coupling in music and the psychology of the groove.. Journal of Experimental Psychology: General, 2012, 141, 54-75.	2.1	335
2	Music-evoked nostalgia: Affect, memory, and personality.. Emotion, 2010, 10, 390-403.	1.8	331
3	The Cortical Topography of Tonal Structures Underlying Western Music. Science, 2002, 298, 2167-2170.	12.6	320
4	Swinging in the brain: shared neural substrates for behaviors related to sequencing and music. Nature Neuroscience, 2003, 6, 682-687.	14.8	257
5	The Neural Architecture of Music-Evoked Autobiographical Memories. Cerebral Cortex, 2009, 19, 2579-2594.	2.9	253
6	Characterisation of music-evoked autobiographical memories. Memory, 2007, 15, 845-860.	1.7	246
7	Activation of the inferior frontal cortex in musical priming. Cognitive Brain Research, 2003, 16, 145-161.	3.0	236
8	Listening to polyphonic music recruits domain-general attention and working memory circuits. Cognitive, Affective and Behavioral Neuroscience, 2002, 2, 121-140.	2.0	197
9	Neural correlates of humor detection and appreciation. NeuroImage, 2004, 21, 1055-1060.	4.2	178
10	ERP Measures Assay the Degree of Expectancy Violation of Harmonic Contexts in Music. Journal of Cognitive Neuroscience, 1995, 7, 153-164.	2.3	154
11	Gradual Emergence of Song Selectivity in Sensorimotor Structures of the Male Zebra Finch Song System. Journal of Neuroscience, 1999, 19, 5108-5118.	3.6	132
12	Being and Feeling in Sync with an Adaptive Virtual Partner: Brain Mechanisms Underlying Dynamic Cooperativity. Cerebral Cortex, 2013, 23, 2592-2600.	2.9	107
13	A Comparison of Neural Circuits Underlying Auditory and Visual Object Categorization. NeuroImage, 2002, 16, 361-377.	4.2	98
14	Investigation of melodic contour processing in the brain using multivariate pattern-based fMRI. NeuroImage, 2011, 57, 293-300.	4.2	94
15	Leading the follower: An fMRI investigation of dynamic cooperativity and leader-follower strategies in synchronization with an adaptive virtual partner. NeuroImage, 2014, 84, 688-697.	4.2	89
16	Audio Features Underlying Perceived Groove and Sensorimotor Synchronization in Music. Music Perception, 2016, 33, 571-589.	1.1	80
17	Brain electrical activity evoked by mental formation of auditory expectations and images. , 2001, 13, 169-193.		74
18	Acuity of auditory images in pitch and time. Perception & Psychophysics, 2006, 68, 829-844.	2.3	74

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19	Music Recognition in Frontotemporal Lobar Degeneration and Alzheimer Disease. <i>Cognitive and Behavioral Neurology</i> , 2011, 24, 74-84.	0.9	65
20	A combined model of sensory and cognitive representations underlying tonal expectations in music: From audio signals to behavior.. <i>Psychological Review</i> , 2014, 121, 33-65.	3.8	64
21	The costs and benefits of tonal centers for chord processing.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2003, 29, 470-482.	0.9	43
22	Tonal centers and expectancy: Facilitation or inhibition of chords at the top of the harmonic hierarchy?. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2008, 34, 1031-1043.	0.9	41
23	Brain Networks That Track Musical Structure. <i>Annals of the New York Academy of Sciences</i> , 2005, 1060, 111-124.	3.8	40
24	Neural responses to nostalgia-evoking music modeled by elements of dynamic musical structure and individual differences in affective traits. <i>Neuropsychologia</i> , 2016, 91, 234-246.	1.6	39
25	Serotonin 2A Receptor Signaling Underlies LSD-induced Alteration of the Neural Response to Dynamic Changes in Music. <i>Cerebral Cortex</i> , 2018, 28, 3939-3950.	2.9	34
26	A brief form of the Affective Neuroscience Personality Scales.. <i>Psychological Assessment</i> , 2013, 25, 826-843.	1.5	33
27	Response-Time Measures as a Means of Exploring Tonal Hierarchies. <i>Music Perception</i> , 1988, 6, 161-172.	1.1	30
28	Beyond the beat: Modeling metric structure in music and performance. <i>Journal of the Acoustical Society of America</i> , 2008, 124, 4024-4041.	1.1	29
29	Keeping timbre in mind: Working memory for complex sounds that can't be verbalized.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2013, 39, 399-412.	0.9	28
30	Spontaneous sensorimotor coupling with multipart music.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2014, 40, 1679-1696.	0.9	28
31	Activation of the Inferior Frontal Cortex in Musical Priming. <i>Annals of the New York Academy of Sciences</i> , 2003, 999, 209-211.	3.8	27
32	Electrophysiological correlates of accurate mental image formation in auditory perception and imagery tasks. <i>Brain Research</i> , 2010, 1342, 39-54.	2.2	27
33	Electrochemical encapsulation for sensors. <i>Sensors and Actuators</i> , 1989, 18, 415-425.	1.7	25
34	Neural basis of music perception. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2015, 129, 187-205.	1.8	22
35	A Novel Sonification Strategy for Auditory Display of Heart Rate and Oxygen Saturation Changes in Clinical Settings. <i>Human Factors</i> , 2013, 55, 356-372.	3.5	21
36	Visual imagery and memory: Do retrieval strategies affect what the mind's eye sees?. <i>European Journal of Cognitive Psychology</i> , 2004, 16, 631-652.	1.3	20

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37	Ensemble: A Web-based system for psychology survey and experiment management. Behavior Research Methods, 2007, 39, 635-650.	4.0	17
38	A linear oscillator model predicts dynamic temporal attention and pupillary entrainment to rhythmic patterns. Journal of Eye Movement Research, 2018, 11, .	0.8	16
39	Spectral Analysis of the EEG as a Tool for Evaluating Expectancy Violations of Musical Contexts. Music Perception, 1993, 10, 281-304.	1.1	15
40	Acuity of mental representations of pitch. Annals of the New York Academy of Sciences, 2012, 1252, 214-221.	3.8	13
41	Psychological and Musical Factors Underlying Engagement with Unfamiliar Music. Music Perception, 2018, 36, 175-200.	1.1	12
42	Online Detection of Tonal Pop-Out in Modulating Contexts. Music Perception, 2003, 20, 283-305.	1.1	11
43	Influences of multiple memory systems on auditory mental image acuity. Journal of the Acoustical Society of America, 2010, 127, 3189-3202.	1.1	11
44	Quantitative assessment of vocal development in the zebra finch using self-organizing neural networks. Journal of the Acoustical Society of America, 2001, 110, 2593-2603.	1.1	10
45	Urges to Move and Other Motivation States for Physical Activity in Clinical and Healthy Populations: A Scoping Review Protocol. Frontiers in Psychology, 0, 13, .	2.1	9
46	Music and the self. , 2009, , 131-141.		8
47	Spontaneous mental replay of music improves memory for incidentally associated event knowledge.. Journal of Experimental Psychology: General, 2022, 151, 1-24.	2.1	8
48	Mapping the dynamic allocation of temporal attention in musical patterns.. Journal of Experimental Psychology: Human Perception and Performance, 2018, 44, 1694-1711.	0.9	8
49	Chemical Plume Tracking. 2. Multiple-Frequency Modulation. Analytical Chemistry, 2001, 73, 3669-3673.	6.5	6
50	Listening for memories: Attentional focus dissociates functional brain networks engaged by memory-evoking music.. Psychomusicology: Music, Mind and Brain, 2018, 28, 82-100.	0.3	6
51	When music tells a story. Nature Neuroscience, 2004, 7, 203-204.	14.8	5
52	Melody recognition revisited: influence of melodic Gestalt on the encoding of relational pitch information. Psychonomic Bulletin and Review, 2015, 22, 163-169.	2.8	5
53	Do you chill when I chill? A cross-cultural study of strong emotional responses to music.. Psychology of Aesthetics, Creativity, and the Arts, 2022, 16, 74-96.	1.3	3
54	The highs and lows of being tone deaf. Nature Neuroscience, 2007, 10, 810-812.	14.8	2

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55	Cognitive Neuroscience of Music. , 2013, , .		0
56	The Groove Enhancement Machine (GEM): A Multi-Person Adaptive Metronome to Manipulate Sensorimotor Synchronization and Subjective Enjoyment. Frontiers in Human Neuroscience, 0, 16, .	2.0	0