

Jessica A Grahn

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

6,183
citations

257429

24
h-index

110368

64
g-index

85
all docs

85
docs citations

85
times ranked

6400
citing authors

#	ARTICLE	IF	CITATIONS
1	Putting brain training to the test. <i>Nature</i> , 2010, 465, 775-778.	27.8	875
2	Rhythm and Beat Perception in Motor Areas of the Brain. <i>Journal of Cognitive Neuroscience</i> , 2007, 19, 893-906.	2.3	863
3	The cognitive functions of the caudate nucleus. <i>Progress in Neurobiology</i> , 2008, 86, 141-155.	5.7	716
4	Feeling the Beat: Premotor and Striatal Interactions in Musicians and Nonmusicians during Beat Perception. <i>Journal of Neuroscience</i> , 2009, 29, 7540-7548.	3.6	473
5	Impairment of beat-based rhythm discrimination in Parkinson's disease. <i>Cortex</i> , 2009, 45, 54-61.	2.4	291
6	Finding the beat: a neural perspective across humans and non-human primates. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20140093.	4.0	277
7	Training the Emotional Brain: Improving Affective Control through Emotional Working Memory Training. <i>Journal of Neuroscience</i> , 2013, 33, 5301-5311.	3.6	265
8	Into the groove: Can rhythm influence Parkinson's disease?. <i>Neuroscience and Biobehavioral Reviews</i> , 2013, 37, 2564-2570.	6.1	233
9	The role of the basal ganglia in learning and memory: Neuropsychological studies. <i>Behavioural Brain Research</i> , 2009, 199, 53-60.	2.2	217
10	Finding and Feeling the Musical Beat: Striatal Dissociations between Detection and Prediction of Regularity. <i>Cerebral Cortex</i> , 2013, 23, 913-921.	2.9	207
11	Neural bases of individual differences in beat perception. <i>NeuroImage</i> , 2009, 47, 1894-1903.	4.2	191
12	Neural Mechanisms of Rhythm Perception: Current Findings and Future Perspectives. <i>Topics in Cognitive Science</i> , 2012, 4, 585-606.	1.9	187
13	The Effect of an Online Cognitive Training Package in Healthy Older Adults: An Online Randomized Controlled Trial. <i>Journal of the American Medical Directors Association</i> , 2015, 16, 990-997.	2.5	143
14	The Role of the Basal Ganglia in Beat Perception. <i>Annals of the New York Academy of Sciences</i> , 2009, 1169, 35-45.	3.8	135
15	fMRI investigation of cross-modal interactions in beat perception: Audition primes vision, but not vice versa. <i>NeuroImage</i> , 2011, 54, 1231-1243.	4.2	127
16	The Psychology of Music: Rhythm and Movement. <i>Annual Review of Psychology</i> , 2018, 69, 51-75.	17.7	107
17	See what I hear? Beat perception in auditory and visual rhythms. <i>Experimental Brain Research</i> , 2012, 220, 51-61.	1.5	99
18	Individual Differences in Beat Perception Affect Gait Responses to Low- and High-Groove Music. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 811.	2.0	78

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19	Individual differences in rhythmic ability: Behavioral and neuroimaging investigations.. Psychomusicology: Music, Mind and Brain, 2012, 22, 105-121.	0.3	68
20	Familiarity with music increases walking speed in rhythmic auditory cuing. Annals of the New York Academy of Sciences, 2015, 1337, 53-61.	3.8	44
21	Enhanced timing abilities in percussionists generalize to rhythms without a musical beat. Frontiers in Human Neuroscience, 2014, 8, 1003.	2.0	38
22	What makes a rhythm complex? The influence of musical training and accent type on beat perception. PLoS ONE, 2018, 13, e0190322.	2.5	33
23	Beat perception ability and instructions to synchronize influence gait when walking to music-based auditory cues. Gait and Posture, 2019, 68, 555-561.	1.4	30
24	What can we learn about beat perception by comparing brain signals and stimulus envelopes?. PLoS ONE, 2017, 12, e0172454.	2.5	30
25	Cross-cultural influences on rhythm processing: reproduction, discrimination, and beat tapping. Frontiers in Psychology, 2015, 6, 366.	2.1	28
26	Music as a scaffold for listening to speech: Better neural phase-locking to song than speech. NeuroImage, 2020, 214, 116767.	4.2	28
27	Mind your music: The effects of music-induced mood and arousal across different memory tasks.. Psychomusicology: Music, Mind and Brain, 2017, 27, 81-94.	0.3	28
28	There's more than one way to scan a cat: Imaging cat auditory cortex with high-field fMRI using continuous or sparse sampling. Journal of Neuroscience Methods, 2014, 224, 96-106.	2.5	25
29	The Effect of Dopaminergic Medication on Beat-Based Auditory Timing in Parkinson's Disease. Frontiers in Neurology, 2016, 7, 19.	2.4	23
30	Neural Mechanisms of Rhythm Perception: Present Findings and Future Directions. Advances in Experimental Medicine and Biology, 2014, 829, 325-338.	1.6	22
31	Common Neural Recruitment across Diverse Sustained Attention Tasks. PLoS ONE, 2012, 7, e49556.	2.5	21
32	The role of attention and intention in synchronization to music: effects on gait. Experimental Brain Research, 2018, 236, 99-115.	1.5	20
33	Comparison of Spontaneous Motor Tempo during Finger Tapping, Toe Tapping and Stepping on the Spot in People with and without Parkinson's Disease. Journal of Movement Disorders, 2020, 13, 47-56.	1.3	20
34	Turn Off the Music! Music Impairs Visual Associative Memory Performance in Older Adults. Gerontologist, The, 2016, 56, 569-577.	3.9	19
35	Neuroscientific Investigations of Musical Rhythm: Recent Advances and Future Challenges. Contemporary Music Review, 2009, 28, 251-277.	0.3	18
36	Gait parameters and characteristics associated with increased risk of falls in people with dementia: a systematic review. International Psychogeriatrics, 2019, 31, 1287-1303.	1.0	18

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37	Optimizing Music Learning: Exploring How Blocked and Interleaved Practice Schedules Affect Advanced Performance. <i>Frontiers in Psychology</i> , 2016, 7, 1251.	2.1	17
38	Perspectives on Rhythm Processing In Motor Regions of the Brain. <i>Music Therapy Perspectives</i> , 2013, 31, 25-30.	0.5	16
39	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.	3.1	13
40	Neural correlates of audiovisual integration in music reading. <i>Neuropsychologia</i> , 2016, 91, 199-210.	1.6	12
41	Changes in the perceived duration of a narrowband sound induced by a preceding stimulus.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2009, 35, 1898-1912.	0.9	10
42	How often does music and rhythm improve patients's perception of motor symptoms in Parkinson's disease?. <i>Journal of Neurology</i> , 2013, 260, 1404-1405.	3.6	10
43	Rhythm Perception and Production Abilities and Their Relationship to Gait After Stroke. <i>Archives of Physical Medicine and Rehabilitation</i> , 2018, 99, 945-951.	0.9	10
44	Rhythm and Beat Perception. <i>Springer Handbooks</i> , 2018, , 507-521.	0.6	10
45	Auditory and Visual Interhemispheric Communication in Musicians and Non-Musicians. <i>PLoS ONE</i> , 2013, 8, e84446.	2.5	8
46	The effects of Parkinson's disease, music training, and dance training on beat perception and production abilities. <i>PLoS ONE</i> , 2022, 17, e0264587.	2.5	8
47	Familiarity modulates neural tracking of sung and spoken utterances. <i>NeuroImage</i> , 2022, 252, 119049.	4.2	8
48	How groove in music affects gait. <i>Experimental Brain Research</i> , 2021, 239, 2419-2433.	1.5	7
49	An Initial Investigation of the Responsiveness of Temporal Gait Asymmetry to Rhythmic Auditory Stimulation and the Relationship to Rhythm Ability Following Stroke. <i>Frontiers in Neurology</i> , 2020, 11, 517028.	2.4	6
50	Perceptions of an over-ground induced temporal gait asymmetry by healthy young adults. <i>Human Movement Science</i> , 2021, 78, 102806.	1.4	6
51	Beat Perception and Production in Musicians and Dancers. <i>Music Perception</i> , 2022, 39, 229-248.	1.1	6
52	European starlings (<i>sturnus vulgaris</i>) discriminate rhythms by rate, not temporal patterns. <i>Journal of the Acoustical Society of America</i> , 2021, 149, 2546-2558.	1.1	5
53	The Effect of Familiarity on Neural Representations of Music and Language. <i>Journal of Cognitive Neuroscience</i> , 2021, 33, 1-17.	2.3	4
54	Comparisons between short-term memory systems for verbal and rhythmic stimuli. <i>Neuropsychologia</i> , 2021, 163, 108080.	1.6	4

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55	The role of prestimulus activity in visual extinction. <i>Neuropsychologia</i> , 2013, 51, 1630-1637.	1.6	3
56	Keep Calm and Pump Up the Jams: How Musical Mood and Arousal Affect Visual Attention. <i>Music & Science</i> , 2020, 3, 205920432092273.	1.0	3
57	Musical enjoyment does not enhance walking speed in healthy adults during music-based auditory cueing. <i>Gait and Posture</i> , 2021, 89, 132-138.	1.4	3
58	Entrainment: A Domain General Cognitive Timing Mechanism?. <i>Procedia, Social and Behavioral Sciences</i> , 2014, 126, 24-26.	0.5	2
59	No otoacoustic evidence for a peripheral basis of absolute pitch. <i>Hearing Research</i> , 2018, 370, 201-208.	2.0	2
60	Development and validation of a battery of emotionally evocative film clips for use with young children.. <i>Psychological Assessment</i> , 2019, 31, 1040-1051.	1.5	2
61	Gait in younger and older adults during rhythmic auditory stimulation is influenced by groove, familiarity, beat perception, and synchronization demands. <i>Human Movement Science</i> , 2022, 84, 102972.	1.4	2
62	Does the beat go on?. , 2014, , .		1
63	The Effects of Manipulating Spatial Location of Visual Cue Placement on Gait Among Individuals with Parkinson's Disease: A Pilot Study. <i>Physical and Occupational Therapy in Geriatrics</i> , 2015, 33, 263-278.	0.4	1
64	Musical Synchronization, Social Interaction and the Brain. , 0, , 603-626.		1
65	Rhythmic Auditory Music Stimulation increases task-distraction during exercise among cardiac rehabilitation patients: A secondary analysis of a randomized controlled trial. <i>Psychology of Sport and Exercise</i> , 2021, 53, 101868.	2.1	1
66	The Effect of Rhythm Abilities on Metronome-Cued Walking with an Induced Temporal Gait Asymmetry in Neurotypical Adults. <i>Journal of Motor Behavior</i> , 2022, 54, 267-280.	0.9	1
67	Advances in neuroimaging techniques: implications for the shared syntactic integration resource hypothesis. , 2011, , 235-241.		1
68	Memory: Obstacle Avoidance without Visual Cues. <i>Current Biology</i> , 2006, 16, R247-R249.	3.9	0
69	Tuning the brain to musical delight. <i>Nature Human Behaviour</i> , 2018, 2, 17-18.	12.0	0
70	Perception of Rhythm. , 2020, , 20-38.		0
71	Is neural entrainment to rhythms the basis of social bonding through music?. <i>Behavioral and Brain Sciences</i> , 2021, 44, e73.	0.7	0
72	The Neuroscience of Rhythm. , 2016, , .		0