

Michael H Thaut

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

2,105
citations

279487

23
h-index

243296

44
g-index

60
all docs

60
docs citations

60
times ranked

1492
citing authors

#	ARTICLE	IF	CITATIONS
1	Neurobiological foundations of neurologic music therapy: rhythmic entrainment and the motor system. <i>Frontiers in Psychology</i> , 2014, 5, 1185.	1.1	206
2	Neurologic Music Therapy Improves Executive Function and Emotional Adjustment in Traumatic Brain Injury Rehabilitation. <i>Annals of the New York Academy of Sciences</i> , 2009, 1169, 406-416.	1.8	137
3	Neural Basis of Rhythmic Timing Networks in the Human Brain. <i>Annals of the New York Academy of Sciences</i> , 2003, 999, 364-373.	1.8	132
4	Multiple synchronization strategies in rhythmic sensorimotor tasks: phase vs period correction. <i>Biological Cybernetics</i> , 1998, 79, 241-250.	0.6	125
5	Rhythmic Auditory Stimulation in Gait Training for Patients with Traumatic Brain Injury. <i>Journal of Music Therapy</i> , 1998, 35, 228-241.	0.6	125
6	A Review on the Relationship Between Sound and Movement in Sports and Rehabilitation. <i>Frontiers in Psychology</i> , 2019, 10, 244.	1.1	116
7	Distinct cortico-cerebellar activations in rhythmic auditory motor synchronization. <i>Cortex</i> , 2009, 45, 44-53.	1.1	94
8	The discovery of human auditoryâ€“motor entrainment and its role in the development of neurologic music therapy. <i>Progress in Brain Research</i> , 2015, 217, 253-266.	0.9	92
9	The Future of Music in Therapy and Medicine. <i>Annals of the New York Academy of Sciences</i> , 2005, 1060, 303-308.	1.8	91
10	Music Intervention Approaches for Alzheimerâ€™s Disease: A Review of the Literature. <i>Frontiers in Neuroscience</i> , 2019, 13, 132.	1.4	85
11	Temporal Entrainment of Cognitive Functions: Musical Mnemonics Induce Brain Plasticity and Oscillatory Synchrony in Neural Networks Underlying Memory. <i>Annals of the New York Academy of Sciences</i> , 2005, 1060, 243-254.	1.8	76
12	Rhythmic auditory stimulation for reduction of falls in Parkinsonâ€™s disease: a randomized controlled study. <i>Clinical Rehabilitation</i> , 2019, 33, 34-43.	1.0	72
13	Auditory vs visual speech timing cues as external rate control to enhance verbal intelligibility in mixed spastic ataxic dysarthric speakers: a pilot study. <i>Brain Injury</i> , 1998, 12, 793-803.	0.6	65
14	Rapid motor adaptations to subliminal frequency shifts during syncopated rhythmic sensorimotor synchronization. <i>Human Movement Science</i> , 2003, 22, 321-338.	0.6	60
15	Brain Networks for Integrative Rhythm Formation. <i>PLoS ONE</i> , 2008, 3, e2312.	1.1	51
16	Music mnemonics aid Verbal Memory and Induce Learning -Related Brain Plasticity in Multiple Sclerosis. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 395.	1.0	50
17	Future perspectives on neural mechanisms underlying rhythm and music based neurorehabilitation in Parkinsonâ€™s disease. <i>Ageing Research Reviews</i> , 2018, 47, 133-139.	5.0	49
18	Music as therapy in early history. <i>Progress in Brain Research</i> , 2015, 217, 143-158.	0.9	46

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19	Neurologic Music Therapy in Stroke Rehabilitation. <i>Current Physical Medicine and Rehabilitation Reports</i> , 2014, 2, 106-113.	0.3	43
20	Rhythmic auditory cues shape neural network recruitment in Parkinson's disease during repetitive motor behavior. <i>European Journal of Neuroscience</i> , 2019, 49, 849-858.	1.2	42
21	Rethinking the role of music in the neurodevelopment of autism spectrum disorder. <i>Music & Science</i> , 2018, 1, 205920431876963.	0.6	40
22	Auditory priming improves neural synchronization in auditory-motor entrainment. <i>Neuropsychologia</i> , 2018, 117, 102-112.	0.7	32
23	Rhythm and Music-Based Interventions in Motor Rehabilitation: Current Evidence and Future Perspectives. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 789467.	1.0	27
24	Entrainment and the Motor System. <i>Music Therapy Perspectives</i> , 2013, 31, 31-34.	0.2	25
25	Preliminary Neurophysiological Evidence of Altered Cortical Activity and Connectivity With Neurologic Music Therapy in Parkinson's Disease. <i>Frontiers in Neuroscience</i> , 2019, 13, 105.	1.4	24
26	Neural plasticity: The substratum of music-based interventions in neurorehabilitation. <i>NeuroRehabilitation</i> , 2021, 48, 155-166.	0.5	19
27	Rhythmic priming across effector systems: A randomized controlled trial with Parkinson's disease patients. <i>Human Movement Science</i> , 2019, 64, 355-365.	0.6	17
28	Motor Synchronization to Rhythmic Auditory Stimulation (RAS) Attenuates Dopaminergic Responses in Ventral Striatum in Young Healthy Adults: [11C]-(+)-PHNO PET Study. <i>Frontiers in Neuroscience</i> , 2019, 13, 106.	1.4	17
29	Effects of therapeutic instrumental music performance and motor imagery on chronic post-stroke cognition and affect: A randomized controlled trial. <i>NeuroRehabilitation</i> , 2021, 48, 195-208.	0.5	13
30	Absolute Pitch and Musical Expertise Modulate Neuro-Electric and Behavioral Responses in an Auditory Stroop Paradigm. <i>Frontiers in Neuroscience</i> , 2019, 13, 932.	1.4	12
31	New Perspectives on Music in Rehabilitation of Executive and Attention Functions. <i>Frontiers in Neuroscience</i> , 2019, 13, 1245.	1.4	12
32	Neural Basis of Long-term Musical Memory in Cognitively Impaired Older Persons. <i>Alzheimer Disease and Associated Disorders</i> , 2020, 34, 267-271.	0.6	11
33	Long-Known Music Exposure Effects on Brain Imaging and Cognition in Early-Stage Cognitive Decline: A Pilot Study. <i>Journal of Alzheimer's Disease</i> , 2021, 84, 819-833.	1.2	11
34	Musical Neglect Training for Chronic Persistent Unilateral Visual Neglect Post-stroke. <i>Frontiers in Neurology</i> , 2019, 10, 474.	1.1	10
35	Music Modulates Awake Bruxism in Chronic Painful Temporomandibular Disorders. <i>Headache</i> , 2020, 60, 2389-2405.	1.8	7
36	Development and evaluation of a novel music-based therapeutic device for upper extremity movement training: A pre-clinical, single-arm trial. <i>PLoS ONE</i> , 2020, 15, e0242552.	1.1	7

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37	Does music induce interbrain synchronization between a non-speaking youth with cerebral palsy (CP), a parent, and a neurologic music therapist? A brief report. <i>Developmental Neurorehabilitation</i> , 2022, 25, 426-432.	0.5	7
38	B Sharpâ€”The cognitive effects of a pilot community music program for people with dementiaâ€”related disorders. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2019, 5, 592-596.	1.8	6
39	Editorial: The Clinical Neuroscience of Music: Evidence Based Approaches and Neurologic Music Therapy. <i>Frontiers in Neuroscience</i> , 2021, 15, 740329.	1.4	6
40	Therapeutic Instrumental Music Training and Motor Imagery in Post-Stroke Upper-Extremity Rehabilitation: A Randomized-Controlled Pilot Study. <i>Archives of Rehabilitation Research and Clinical Translation</i> , 2021, 3, 100162.	0.5	6
41	Auditory entrainment of motor responses in older adults with and without Parkinsonâ€™s disease: An MEG study. <i>Neuroscience Letters</i> , 2019, 708, 134331.	1.0	5
42	Influence of Voice Focus Adjustments on Oral-Nasal Balance in Speech and Song. <i>Folia Phoniatrica Et Logopaedica</i> , 2020, 72, 351-362.	0.5	4
43	Neurorehabilitation in aging through neurologic music therapy. , 2020, , 351-382.		4
44	The Impact of Limb Velocity Variability on Mallet Accuracy in Marimba Performance. <i>Journal of Motor Behavior</i> , 2022, , 1-12.	0.5	4
45	Influence of Altered Auditory Feedback on Oral-Nasal Balance in Song. <i>Journal of Voice</i> , 2020, 34, 157.e9-157.e15.	0.6	3
46	Advances in the role of music in neurorehabilitation: Addressing critical gaps in clinical applications. <i>NeuroRehabilitation</i> , 2021, 48, 153-153.	0.5	3
47	Proposing Music-based Interventions for the Treatment of Traumatic Brain Injury Symptoms: Current Evidence and Future Directions. <i>Canadian Journal of Psychiatry</i> , 2021, 66, 707-709.	0.9	3
48	Immediate effects of voice focus adjustments on hypernasal speakersâ€™ nasalance scores. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2020, 135, 110107.	0.4	2
49	Neural Dynamics of Inhibitory Control in Musicians with Absolute Pitch: Theta Synchrony as an Oscillatory Signature of Information Conflict. <i>Cerebral Cortex Communications</i> , 2021, 2, tgab043.	0.7	2
50	Randomized controlled trial of neurologic music therapy in Parkinsonâ€™s disease: research rehabilitation protocols for mechanistic and clinical investigations. <i>Trials</i> , 2021, 22, 577.	0.7	2
51	Playing-Related Musculoskeletal Disorders, Risk Factors, and Treatment Efficacy in a Large Sample of Oboists. <i>Frontiers in Psychology</i> , 2021, 12, 772357.	1.1	2
52	Temporospatial Alterations in Upper-Limb and Mallet Control Underlie Motor Learning in Marimba Performance. <i>Frontiers in Psychology</i> , 2022, 13, 834869.	1.1	2
53	Designing a wearable MMG-based mobile app for gait rehab. , 2017, , .		1
54	The effect of perceptual-motor continuity compatibility on the temporal control of continuous and discontinuous self-paced rhythmic movements. <i>Human Movement Science</i> , 2021, 76, 102761.	0.6	1

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55	The prevalence of the Val66Met polymorphism in musicians: Possible evidence for compensatory neuroplasticity from a pilot study. PLoS ONE, 2021, 16, e0245107.	1.1	1
56	Computational Approaches to Music Motor Performance: Clustering of Percussion Kinematics Underlying Performance Style. Frontiers in Psychology, 2021, 12, 725016.	1.1	0
57	Title is missing!., 2020, 15, e0242552.		0
58	Title is missing!., 2020, 15, e0242552.		0
59	Title is missing!., 2020, 15, e0242552.		0
60	Title is missing!., 2020, 15, e0242552.		0