

Martin Meyer

List of Publications by Year in descending order

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Version: 2024-02-01

123
papers

6,906
citations

53794

45
h-index

66911

78
g-index

136
all docs

136
docs citations

136
times ranked

6057
citing authors

#	ARTICLE	IF	CITATIONS
1	Lower glutamate and GABA levels in auditory cortex of tinnitus patients: a 2D-JPRESS MR spectroscopy study. <i>Scientific Reports</i> , 2022, 12, 4068.	3.3	8
2	Better speech-in-noise comprehension is associated with enhanced neural speech tracking in older adults with hearing impairment. <i>Cortex</i> , 2022, 151, 133-146.	2.4	18
3	Cognitive Benefits of Learning Additional Languages in Old Adulthood? Insights from an Intensive Longitudinal Intervention Study. <i>Applied Linguistics</i> , 2022, 43, 653-676.	2.4	5
4	Transcranial electric and acoustic stimulation for tinnitus: study protocol for a randomized double-blind controlled trial assessing the influence of combined transcranial random noise and acoustic stimulation on tinnitus loudness and distress. <i>Trials</i> , 2022, 23, 418.	1.6	1
5	Cross-linguistic differences in case marking shape neural power dynamics and gaze behavior during sentence planning. <i>Brain and Language</i> , 2022, 230, 105127.	1.6	4
6	Word stress processing integrates phonological abstraction with lexical access – An ERP study. <i>Journal of Neurolinguistics</i> , 2021, 57, 100959.	1.1	3
7	Application of Latent Growth Curve modeling to predict individual trajectories during neurofeedback treatment for tinnitus. <i>Progress in Brain Research</i> , 2021, 263, 109-136.	1.4	5
8	On the relationship between tinnitus distress, cognitive performance and aging. <i>Progress in Brain Research</i> , 2021, 262, 263-285.	1.4	13
9	EEG Resting-State and Event-Related Potentials as Markers of Learning Success in Older Adults Following Second Language Training: A Pilot Study. <i>Brain Plasticity</i> , 2021, 7, 143-162.	3.5	6
10	Selective attention modulates neural envelope tracking of informationally masked speech in healthy older adults. <i>Human Brain Mapping</i> , 2021, 42, 3042-3057.	3.6	9
11	Interacting effects of frontal lobe neuroanatomy and working memory capacity to older listeners' speech recognition in noise. <i>Neuropsychologia</i> , 2021, 158, 107892.	1.6	11
12	Bilateral age-related atrophy in the planum temporale is associated with vowel discrimination difficulty in healthy older adults. <i>Hearing Research</i> , 2021, 406, 108252.	2.0	3
13	Neural signatures of syntactic variation in speech planning. <i>PLoS Biology</i> , 2021, 19, e3001038.	5.6	13
14	Combining neurofeedback with source estimation: Evaluation of an sLORETA neurofeedback protocol for chronic tinnitus treatment. <i>Restorative Neurology and Neuroscience</i> , 2020, 38, 283-299.	0.7	7
15	Case Syncretism, Animacy, and Word Order in Continental West Germanic: Neurolinguistic Evidence from a Comparative Study on Standard German, Zurich German, and Fering (North Frisian). <i>Journal of Germanic Linguistics</i> , 2020, 32, 217-310.	0.1	4
16	Individual Differences in Peripheral Hearing and Cognition Reveal Sentence Processing Differences in Healthy Older Adults. <i>Frontiers in Neuroscience</i> , 2020, 14, 573513.	2.8	15
17	Working memory and not acoustic sensitivity is related to stress processing ability in a foreign language: An ERP study. <i>Journal of Neurolinguistics</i> , 2020, 55, 100897.	1.1	7
18	Accounting for Heterogeneity: Mixed-Effects Models in Resting-State EEG Data in a Sample of Tinnitus Sufferers. <i>Brain Topography</i> , 2020, 33, 413-424.	1.8	14

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19	Cortical thickness of left Heschl's gyrus correlates with hearing acuity in adults – A surface-based morphometry study. <i>Hearing Research</i> , 2019, 384, 107823.	2.0	22
20	When right becomes less right: Neural dedifferentiation during suprasegmental speech processing in the aging brain. <i>NeuroImage</i> , 2019, 189, 886-895.	4.2	14
21	Bridging the brain structure–brain function gap in prosodic speech processing in older adults. <i>Neurobiology of Aging</i> , 2019, 80, 116-126.	3.1	23
22	Investigating the Efficacy of an Individualized Alpha/Delta Neurofeedback Protocol in the Treatment of Chronic Tinnitus. <i>Neural Plasticity</i> , 2019, 2019, 1-15.	2.2	31
23	Comparison of Amplitude Modulated Sounds and Pure Tones at the Tinnitus Frequency: Residual Tinnitus Suppression and Stimulus Evaluation. <i>Trends in Hearing</i> , 2019, 23, 233121651983384.	1.3	18
24	Editorial: Towards an Understanding of Tinnitus Heterogeneity. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 53.	3.4	157
25	Transcranial electrical stimulation improves phoneme processing in developmental dyslexia. <i>Brain Stimulation</i> , 2019, 12, 930-937.	1.6	33
26	Ecological Momentary Assessment based Differences between Android and iOS Users of the TrackYourHearing mHealth Crowdsensing Platform. , 2019, 2019, 3951-3955.		11
27	Active listening to tinnitus and its relation to resting state EEG activity. <i>Neuroscience Letters</i> , 2019, 694, 176-183.	2.1	8
28	Neuroanatomical and resting state EEG power correlates of central hearing loss in older adults. <i>Brain Structure and Function</i> , 2018, 223, 145-163.	2.3	40
29	Are you surprised to hear this? Longitudinal spectral speech exposure in older compared to middle-aged normal hearing adults. <i>European Journal of Neuroscience</i> , 2018, 47, 58-68.	2.6	7
30	Speech perception in tinnitus is related to individual distress level - A neurophysiological study. <i>Hearing Research</i> , 2018, 367, 48-58.	2.0	18
31	EEG oscillatory power dissociates between distress- and depression-related psychopathology in subjective tinnitus. <i>Brain Research</i> , 2017, 1663, 194-204.	2.2	30
32	The impact of hearing aids and age-related hearing loss on auditory plasticity across three months – An electrical neuroimaging study. <i>Hearing Research</i> , 2017, 353, 162-175.	2.0	42
33	Tinnitus functional index: validation of the German version for Switzerland. <i>Health and Quality of Life Outcomes</i> , 2017, 15, 94.	2.4	15
34	Longitudinal auditory learning facilitates auditory cognition as revealed by microstate analysis. <i>Biological Psychology</i> , 2017, 123, 25-36.	2.2	18
35	4. Research on Second Language Acquisition in Old Adulthood: What We Have and What We Need. , 2017, , 48-75.		8
36	Alexithymia Is Associated with Tinnitus Severity. <i>Frontiers in Psychiatry</i> , 2017, 8, 223.	2.6	9

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37	10 Hz Amplitude Modulated Sounds Induce Short-Term Tinnitus Suppression. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 130.	3.4	27
38	Neurofeedback for Tinnitus Treatment – Review and Current Concepts. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 386.	3.4	32
39	Innovations in Doctoral Training and Research on Tinnitus: The European School on Interdisciplinary Tinnitus Research (ESIT) Perspective. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 447.	3.4	72
40	On the relationship between auditory cognition and speech intelligibility in cochlear implant users: An ERP study. <i>Neuropsychologia</i> , 2016, 87, 169-181.	1.6	85
41	Age-Related Neural Oscillation Patterns During the Processing of Temporally Manipulated Speech. <i>Brain Topography</i> , 2016, 29, 440-458.	1.8	8
42	Transcranial Alternating Current Stimulation (tACS) differentially modulates speech perception in young and older adults. <i>Brain Stimulation</i> , 2016, 9, 560-565.	1.6	43
43	Differential tinnitus-related neuroplastic alterations of cortical thickness and surface area. <i>Hearing Research</i> , 2016, 342, 1-12.	2.0	47
44	Validation of PRISM (Pictorial Representation of Illness and Self Measure) as a novel visual assessment tool for the burden of suffering in tinnitus patients. <i>Health and Quality of Life Outcomes</i> , 2016, 14, 47.	2.4	20
45	40Hz-Transcranial alternating current stimulation (tACS) selectively modulates speech perception. <i>International Journal of Psychophysiology</i> , 2016, 101, 18-24.	1.0	45
46	Which tinnitus-related characteristics affect current health-related quality of life and depression? A cross-sectional cohort study. <i>Psychiatry Research</i> , 2016, 237, 114-121.	3.3	47
47	fMRI reveals lateralized pattern of brain activity modulated by the metrics of stimuli during auditory rhyme processing. <i>Brain and Language</i> , 2015, 147, 41-50.	1.6	13
48	Language in the brain at rest: new insights from resting state data and graph theoretical analysis. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 228.	2.0	55
49	The hypothesis of neuronal interconnectivity as a function of brain size – a general organization principle of the human connectome. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 915.	2.0	113
50	Music and Language Expertise Influence the Categorization of Speech and Musical Sounds: Behavioral and Electrophysiological Measurements. <i>Journal of Cognitive Neuroscience</i> , 2014, 26, 2356-2369.	2.3	30
51	Age-related differences in auditory evoked potentials as a function of task modulation during speech – nonspeech processing. <i>Brain and Behavior</i> , 2014, 4, 21-28.	2.2	33
52	Cortical Surface Area and Cortical Thickness Demonstrate Differential Structural Asymmetry in Auditory-Related Areas of the Human Cortex. <i>Cerebral Cortex</i> , 2014, 24, 2541-2552.	2.9	86
53	Disentangling Tinnitus Distress and Tinnitus Presence by Means of EEG Power Analysis. <i>Neural Plasticity</i> , 2014, 2014, 1-13.	2.2	52
54	Plasticity of Neural Systems in Tinnitus. <i>Neural Plasticity</i> , 2014, 2014, 1-2.	2.2	8

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55	Effects of prior information on decoding degraded speech: An fMRI study. <i>Human Brain Mapping</i> , 2014, 35, 61-74.	3.6	48
56	On the planum temporale lateralization in suprasegmental speech perception: Evidence from a study investigating behavior, structure, and function. <i>Human Brain Mapping</i> , 2014, 35, 1779-1789.	3.6	20
57	Right and left perisylvian cortex and left inferior frontal cortex mediate sentence-level rhyme detection in spoken language as revealed by sparse fMRI. <i>Human Brain Mapping</i> , 2013, 34, 3182-3192.	3.6	13
58	The encoding of vowels and temporal speech cues in the auditory cortex of professional musicians: An EEG study. <i>Neuropsychologia</i> , 2013, 51, 1608-1618.	1.6	73
59	Increased cortical surface area of the left planum temporale in musicians facilitates the categorization of phonetic and temporal speech sounds. <i>Cortex</i> , 2013, 49, 2812-2821.	2.4	74
60	An Empirical Reevaluation of Absolute Pitch: Behavioral and Electrophysiological Measurements. <i>Journal of Cognitive Neuroscience</i> , 2013, 25, 1736-1753.	2.3	30
61	Musicianship Boosts Perceptual Learning of Pseudoword-Chimeras: An Electrophysiological Approach. <i>Brain Topography</i> , 2013, 26, 110-125.	1.8	33
62	Auditorisches System. , 2013, , 345-358.		0
63	Neurofunctional and Behavioral Correlates of Phonetic and Temporal Categorization in Musically Trained and Untrained Subjects. <i>Cerebral Cortex</i> , 2012, 22, 650-658.	2.9	82
64	Visual activation of auditory cortex reflects maladaptive plasticity in cochlear implant users. <i>Brain</i> , 2012, 135, 555-568.	7.6	195
65	Cortical thickness of supratemporal plane predicts auditory N1 amplitude. <i>NeuroReport</i> , 2012, 23, 1026-1030.	1.2	29
66	The spatiotemporal characteristics of elementary audiovisual speech and music processing in musically untrained subjects. <i>International Journal of Psychophysiology</i> , 2012, 83, 259-268.	1.0	8
67	Pre-attentive modulation of brain responses to tones in coloured-hearing synesthetes. <i>BMC Neuroscience</i> , 2012, 13, 151.	1.9	20
68	Reducing the Interval Between Volume Acquisitions Improves "Sparse" Scanning Protocols in Event-related Auditory fMRI. <i>Brain Topography</i> , 2012, 25, 182-193.	1.8	16
69	Musical expertise induces neuroplasticity of the planum temporale. <i>Annals of the New York Academy of Sciences</i> , 2012, 1252, 116-123.	3.8	34
70	Processing of voiced and unvoiced acoustic stimuli in musicians. <i>Frontiers in Psychology</i> , 2011, 2, 195.	2.1	50
71	Intensive language training and attention modulate the involvement of fronto-parietal regions during a non-verbal auditory discrimination task. <i>European Journal of Neuroscience</i> , 2011, 34, 165-175.	2.6	25
72	Long-term exposure to music enhances the sensitivity of the auditory system in children. <i>European Journal of Neuroscience</i> , 2011, 34, 755-765.	2.6	43

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73	Refinement of metre perception - training increases hierarchical metre processing. <i>European Journal of Neuroscience</i> , 2011, 34, 2064-2064.	2.6	0
74	Multi- and unisensory decoding of words and nonwords result in differential brain responses in dyslexic and nondyslexic adults. <i>Brain and Language</i> , 2011, 119, 136-148.	1.6	38
75	Computer-based learning of spelling skills in children with and without dyslexia. <i>Annals of Dyslexia</i> , 2011, 61, 177-200.	1.7	41
76	Differential language expertise related to white matter architecture in regions subserving sensory-motor coupling, articulation, and interhemispheric transfer. <i>Human Brain Mapping</i> , 2011, 32, 2064-2074.	3.6	57
77	Simultaneous interpreters as a model for neuronal adaptation in the domain of language processing. <i>Brain Research</i> , 2010, 1317, 147-156.	2.2	48
78	Evolution of striatal degeneration in McLeod syndrome. <i>European Journal of Neurology</i> , 2010, 17, 612-618.	3.3	24
79	Refinement of metre perception – training increases hierarchical metre processing. <i>European Journal of Neuroscience</i> , 2010, 32, 1979-1985.	2.6	66
80	Absolute Pitch-Functional Evidence of Speech-Relevant Auditory Acuity. <i>Cerebral Cortex</i> , 2010, 20, 447-455.	2.9	103
81	Neurophysiological evidence of impaired musical sound perception in cochlear-implant users. <i>Clinical Neurophysiology</i> , 2010, 121, 2070-2082.	1.5	82
82	ERP differences of pre-lexical processing between dyslexic and non-dyslexic children. <i>International Journal of Psychophysiology</i> , 2010, 77, 59-69.	1.0	43
83	Evaluation of evoked potentials to dyadic tones after cochlear implantation. <i>Brain</i> , 2009, 132, 1967-1979.	7.6	70
84	Cortical and subcortical correlates of functional electrical stimulation of wrist extensor and flexor muscles revealed by fMRI. <i>Human Brain Mapping</i> , 2009, 30, 963-975.	3.6	74
85	Differential force scaling of fine-grained power grip force in the sensorimotor network. <i>Human Brain Mapping</i> , 2009, 30, 2453-2465.	3.6	76
86	Pre-attentive Spectro-temporal Feature Processing in the Human Auditory System. <i>Brain Topography</i> , 2009, 22, 97-108.	1.8	27
87	Early electrophysiological correlates of meter and rhythm processing in music perception. <i>Cortex</i> , 2009, 45, 93-102.	2.4	99
88	Direct current induced short-term modulation of the left dorsolateral prefrontal cortex while learning auditory presented nouns. <i>Behavioral and Brain Functions</i> , 2009, 5, 29.	3.3	87
89	White matter plasticity in the corticospinal tract of musicians: A diffusion tensor imaging study. <i>NeuroImage</i> , 2009, 46, 600-607.	4.2	247
90	The plasticity of the superior longitudinal fasciculus as a function of musical expertise: a diffusion tensor imaging study. <i>Frontiers in Human Neuroscience</i> , 2009, 3, 76.	2.0	122

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91	Silent and continuous fMRI scanning differentially modulate activation in an auditory language comprehension task. <i>Human Brain Mapping</i> , 2008, 29, 46-56.	3.6	56
92	Segmental processing in the human auditory dorsal stream. <i>Brain Research</i> , 2008, 1220, 179-190.	2.2	79
93	Enhancement of Auditory-evoked Potentials in Musicians Reflects an Influence of Expertise but not Selective Attention. <i>Journal of Cognitive Neuroscience</i> , 2008, 20, 2238-2249.	2.3	94
94	The Neural Correlate of Speech Rhythm as Evidenced by Metrical Speech Processing. <i>Journal of Cognitive Neuroscience</i> , 2008, 20, 541-552.	2.3	107
95	Functions of the left and right posterior temporal lobes during segmental and suprasegmental speech perception. <i>Zeitschrift für Neuropsychologie = Journal of Neuropsychology</i> , 2008, 19, 101-115.	0.6	22
96	How the brain laughs. <i>Behavioural Brain Research</i> , 2007, 182, 245-260.	2.2	51
97	Comparison of "silent" clustered and sparse temporal fMRI acquisitions in tonal and speech perception tasks. <i>NeuroImage</i> , 2007, 37, 1195-1204.	4.2	44
98	Electrical brain imaging evidences left auditory cortex involvement in speech and non-speech discrimination based on temporal features. <i>Behavioral and Brain Functions</i> , 2007, 3, 63.	3.3	51
99	fMRI in Patients With Motor Conversion Symptoms and Controls With Simulated Weakness. <i>Psychosomatic Medicine</i> , 2007, 69, 961-969.	2.0	147
100	Hemodynamic responses in human multisensory and auditory association cortex to purely visual stimulation. <i>BMC Neuroscience</i> , 2007, 8, 14.	1.9	29
101	A network for audio-motor coordination in skilled pianists and non-musicians. <i>Brain Research</i> , 2007, 1161, 65-78.	2.2	201
102	Neuroplasticity of sign language: implications from structural and functional brain imaging. <i>Restorative Neurology and Neuroscience</i> , 2007, 25, 335-51.	0.7	25
103	Short-term plasticity in the auditory system: differential neural responses to perception and imagery of speech and music. <i>Restorative Neurology and Neuroscience</i> , 2007, 25, 411-31.	0.7	37
104	Electrical brain imaging reveals spatio-temporal dynamics of timbre perception in humans. <i>NeuroImage</i> , 2006, 32, 1510-1523.	4.2	64
105	Neural control of playing a reversed piano: empirical evidence for an unusual cortical organization of musical functions. <i>NeuroReport</i> , 2006, 17, 447-451.	1.2	17
106	Lateralization of emotional prosody in the brain: an overview and synopsis on the impact of study design. <i>Progress in Brain Research</i> , 2006, 156, 285-294.	1.4	72
107	Spectro-temporal processing during speech perception involves left posterior auditory cortex. <i>NeuroReport</i> , 2005, 16, 1985-1989.	1.2	54
108	A Network for Sensory-Motor Integration: What Happens in the Auditory Cortex during Piano Playing without Acoustic Feedback?. <i>Annals of the New York Academy of Sciences</i> , 2005, 1060, 186-188.	3.8	51

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109	Distinct fMRI responses to laughter, speech, and sounds along the human peri-sylvian cortex. <i>Cognitive Brain Research</i> , 2005, 24, 291-306.	3.0	103
110	Real-time functional magnetic resonance imaging (rt-fMRI) in patients with brain tumours: preliminary findings using motor and language paradigms. <i>British Journal of Neurosurgery</i> , 2005, 19, 25-32.	0.8	28
111	Evidence for rapid auditory perception as the foundation of speech processing: a sparse temporal sampling fMRI study. <i>European Journal of Neuroscience</i> , 2004, 20, 2447-2456.	2.6	134
112	Brain activity varies with modulation of dynamic pitch variance in sentence melody. <i>Brain and Language</i> , 2004, 89, 277-289.	1.6	204
113	The brain knows the difference: two types of grammatical violations. <i>Brain Research</i> , 2004, 1000, 72-77.	2.2	62
114	Sequential effects of propofol on functional brain activation induced by auditory language processing: an event-related functional magnetic resonance imaging study. <i>British Journal of Anaesthesia</i> , 2004, 92, 641-650.	3.4	78
115	The functional anatomy of inspection time: an event-related fMRI study. <i>NeuroImage</i> , 2004, 22, 1466-1479.	4.2	151
116	Neural predictive error signal correlates with depressive illness severity in a game paradigm. <i>NeuroImage</i> , 2004, 23, 269-280.	4.2	41
117	On the lateralization of emotional prosody: An event-related functional MR investigation. <i>Brain and Language</i> , 2003, 86, 366-376.	1.6	273
118	Functional MR imaging exposes differential brain responses to syntax and prosody during auditory sentence comprehension. <i>Journal of Neurolinguistics</i> , 2003, 16, 277-300.	1.1	35
119	fMRI reveals brain regions mediating slow prosodic modulations in spoken sentences. <i>Human Brain Mapping</i> , 2002, 17, 73-88.	3.6	307
120	Auditory Language Comprehension: An Event-Related fMRI Study on the Processing of Syntactic and Lexical Information. <i>Brain and Language</i> , 2000, 74, 289-300.	1.6	385
121	Neurocognition of auditory sentence comprehension: event related fMRI reveals sensitivity to syntactic violations and task demands. <i>Cognitive Brain Research</i> , 2000, 9, 19-33.	3.0	186
122	Working memory constraints on syntactic ambiguity resolution as revealed by electrical brain responses. <i>Biological Psychology</i> , 1998, 47, 193-221.	2.2	122
123	Recovering Hidden Responder Groups in Individuals Receiving Neurofeedback for Tinnitus. <i>Frontiers in Neuroscience</i> , 0, 16, .	2.8	0