Stefan Elmer

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8004989/publications.pdf

Version: 2024-02-01

55 papers	1,581 citations	257450 24 h-index	330143 37 g-index
60 all docs	60 docs citations	60 times ranked	1441 citing authors

#	Article	IF	Citations
1	Direct current induced short-term modulation of the left dorsolateral prefrontal cortex while learning auditory presented nouns. Behavioral and Brain Functions, 2009, 5, 29.	3.3	87
2	Neurofunctional and Behavioral Correlates of Phonetic and Temporal Categorization in Musically Trained and Untrained Subjects. Cerebral Cortex, 2012, 22, 650-658.	2.9	82
3	Increased cortical surface area of the left planum temporale in musicians facilitates the categorization of phonetic and temporal speech sounds. Cortex, 2013, 49, 2812-2821.	2.4	74
4	The encoding of vowels and temporal speech cues in the auditory cortex of professional musicians: An EEG study. Neuropsychologia, 2013, 51, 1608-1618.	1.6	73
5	Processing demands upon cognitive, linguistic, and articulatory functions promote grey matter plasticity in the adult multilingual brain: Insights from simultaneous interpreters. Cortex, 2014, 54, 179-189.	2.4	73
6	The â€œsilentâ€•imprint of musical training. Human Brain Mapping, 2016, 37, 536-546.	3.6	71
7	Professional Music Training and Novel Word Learning: From Faster Semantic Encoding to Longer-lasting Word Representations. Journal of Cognitive Neuroscience, 2016, 28, 1584-1602.	2.3	68
8	Differential language expertise related to white matter architecture in regions subserving sensoryâ€•motor coupling, articulation, and interhemispheric transfer. Human Brain Mapping, 2011, 32, 2064-2074.	3.6	57
9	Simultaneous interpreters as a model for neuronal adaptation in the domain of language processing. Brain Research, 2010, 1317, 147-156.	2.2	48
10	Bridging the Gap between Perceptual and Cognitive Perspectives on Absolute Pitch. Journal of Neuroscience, 2015, 35, 366-371.	3.6	48
11	Independent component processes underlying emotions during natural music listening. Social Cognitive and Affective Neuroscience, 2016, 11, 1428-1439.	3.0	44
12	ERP differences of pre-lexical processing between dyslexic and non-dyslexic children. International Journal of Psychophysiology, 2010, 77, 59-69.	1.0	43
13	Long-term exposure to music enhances the sensitivity of the auditory system in children. European Journal of Neuroscience, 2011, 34, 755-765.	2.6	43
14	Auditory Evoked Responses in Musicians during Passive Vowel Listening Are Modulated by Functional Connectivity between Bilateral Auditory-related Brain Regions. Journal of Cognitive Neuroscience, 2014, 26, 2750-2761.	2.3	43
15	Time course of EEG oscillations during repeated listening of a well-known aria. Frontiers in Human Neuroscience, 2015, 9, 401.	2.0	39
16	Short-term plasticity in the auditory system: differential neural responses to perception and imagery of speech and music. Restorative Neurology and Neuroscience, 2007, 25, 411-31.	0.7	37
17	Interhemispheric transcallosal connectivity between the left and right planum temporale predicts musicianship, performance in temporal speech processing, and functional specialization. Brain Structure and Function, 2016, 221, 331-344.	2.3	36
18	Musical expertise induces neuroplasticity of the planum temporale. Annals of the New York Academy of Sciences, 2012, 1252, 116-123.	3.8	34

#	Article	IF	Citations
19	Absolute Pitch: Evidence for Early Cognitive Facilitation during Passive Listening as Revealed by Reduced P3a Amplitudes. Journal of Cognitive Neuroscience, 2015, 27, 623-637.	2.3	34
20	Decrypting the electrophysiological individuality of the human brain: Identification of individuals based on resting-state EEG activity. NeuroImage, 2019, 197, 470-481.	4.2	34
21	Musicianship Boosts Perceptual Learning of Pseudoword-Chimeras: An Electrophysiological Approach. Brain Topography, 2013, 26, 110-125.	1.8	33
22	An Empirical Reevaluation of Absolute Pitch: Behavioral and Electrophysiological Measurements. Journal of Cognitive Neuroscience, 2013, 25, 1736-1753.	2.3	30
23	Music and Language Expertise Influence the Categorization of Speech and Musical Sounds: Behavioral and Electrophysiological Measurements. Journal of Cognitive Neuroscience, 2014, 26, 2356-2369.	2.3	30
24	Broca Pars Triangularis Constitutes a â€œHubâ€•of the Language-Control Network during Simultaneous Language Translation. Frontiers in Human Neuroscience, 2016, 10, 491.	2.0	30
25	Functional Connectivity in the Left Dorsal Stream Facilitates Simultaneous Language Translation: An EEG Study. Frontiers in Human Neuroscience, 2016, 10, 60.	2.0	28
26	Intensive language training and attention modulate the involvement of fronto-parietal regions during a non-verbal auditory discrimination task. European Journal of Neuroscience, 2011, 34, 165-175.	2.6	25
27	Early tone categorization in absolute pitch musicians is subserved by the right-sided perisylvian brain. Scientific Reports, 2019, 9, 1419.	3.3	25
28	Electrophysiological Correlates of Absolute Pitch in a Passive Auditory Oddball Paradigm: a Direct Replication Attempt. ENeuro, 2018, 5, ENEURO.0333-18.2018.	1.9	21
29	Pre-attentive modulation of brain responses to tones in coloured-hearing synesthetes. BMC Neuroscience, 2012, 13, 151.	1.9	20
30	Testing the influence of musical expertise on novel word learning across the lifespan using a cross-sectional approach in children, young adults and older adults. Brain and Language, 2019, 198, 104678.	1.6	20
31	The Effect of Background Music on Inhibitory Functions: An ERP Study. Frontiers in Human Neuroscience, 2018, 12, 293.	2.0	19
32	Increased functional connectivity in the ventral and dorsal streams during retrieval of novel words in professional musicians. Human Brain Mapping, 2018, 39, 722-734.	3.6	17
33	The importance of the fibre tracts connecting the planum temporale in absolute pitch possessors. NeuroImage, 2020, 211, 116590.	4.2	17
34	Faster native vowel discrimination learning in musicians is mediated by an optimization of mnemonic functions. Neuropsychologia, 2017, 104, 64-75.	1.6	14
35	Relationships between music training, speech processing, and word learning: a network perspective. Annals of the New York Academy of Sciences, 2018, 1423, 10-18.	3.8	14
36	The interpreter's brain during rest â€” Hyperconnectivity in the frontal lobe. PLoS ONE, 2018, 13, e0202600.	2.5	13

#	Article	IF	Citations
37	Tracking the microstructural properties of the main white matter pathways underlying speech processing in simultaneous interpreters. NeuroImage, 2019, 191, 518-528.	4.2	12
38	Intracerebral functional connectivity-guided neurofeedback as a putative rehabilitative intervention for ameliorating auditory-related dysfunctions. Frontiers in Psychology, 2014, 5, 1227.	2.1	11
39	Statistical learning and prosodic bootstrapping differentially affect neural synchronization during speech segmentation. NeuroImage, 2021, 235, 118051.	4.2	11
40	Perception and Cognition in Absolute Pitch: Distinct yet Inseparable. Journal of Neuroscience, 2019, 39, 5839-5841.	3.6	10
41	Functional connectivity in the dorsal stream and between bilateral auditory-related cortical areas differentially contribute to speech decoding depending on spectro-temporal signal integrity and performance. Neuropsychologia, 2017, 106, 398-406.	1.6	9
42	Theta Coherence Asymmetry in the Dorsal Stream of Musicians Facilitates Word Learning. Scientific Reports, 2018, 8, 4565.	3.3	9
43	Topâ€“down signal transmission and global hyperconnectivity in auditoryâ€visual synesthesia: Evidence from a functional E<scp>EG</scp> restingâ€state study. Human Brain Mapping, 2018, 39, 522-531.	3.6	9
44	The relationship between EFL teachersâ€™ continuing professional development and their self-efficacy: A structural equation modeling approach. Cogent Psychology, 2019, 6, 1568068.	1.3	9
45	The spatiotemporal characteristics of elementary audiovisual speech and music processing in musically untrained subjects. International Journal of Psychophysiology, 2012, 83, 259-268.	1.0	8
46	Human Brainstem Exhibits higher Sensitivity and Specificity than Auditory-Related Cortex to Short-Term Phonetic Discrimination Learning. Scientific Reports, 2017, 7, 7455.	3.3	8
47	Advances in the Neurocognition of Music and Language. Brain Sciences, 2020, 10, 509.	2.3	8
48	The Influence of Pre-stimulus EEG Activity on Reaction Time During a Verbal Sternberg Task is Related to Musical Expertise. Brain Topography, 2016, 29, 67-81.	1.8	7
49	Development of self-control in early childhoodâ€”a growth mixture modeling approach. Cogent Psychology, 2018, 5, 1544537.	1.3	7
50	Parental sense of competence, resilience, and empathy in relation fathersâ€™ responses to childrenâ€™s negative emotions in the context of everyday paternal childrearing decisions. Cogent Psychology, 2020, 7, .	1.3	7
51	Cognitive load in relation to non-standard language input. Translation, Cognition and Behavior, 2020, 3, 263-286.	1.1	5
52	The relationship between theory of mind and mental rotation ability in preschool-aged children. Cogent Psychology, 2019, 6, .	1.3	4
53	Phonetic Skills and Verbal Memory Capacity Predict Phonetic-based Word Learning: An Event-related Potential Study. Journal of Cognitive Neuroscience, 2021, 33, 1-16.	2.3	4
54	The left dorsal stream causally mediates the tone labeling in absolute pitch. Annals of the New York Academy of Sciences, 2021, 1500, 122-133.	3.8	2

#	Article	IF	Citations
55	The traits of autism spectrum disorder in the general population influence humor appreciation: Using the autism-spectrum quotient and HSPS-J19. Cogent Psychology, 2019, 6, 1696000.	1.3	1