

# Sascha FrÃ¼hholz

## List of Publications by Year in descending order

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Version: 2024-02-01

72  
papers

2,754  
citations

218592

26  
h-index

197736

49  
g-index

76  
all docs

76  
docs citations

76  
times ranked

2704  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Specific Brain Networks during Explicit and Implicit Decoding of Emotional Prosody. <i>Cerebral Cortex</i> , 2012, 22, 1107-1117.   | 1.6 | 229       |
| 2  | Time course of implicit processing and explicit processing of emotional faces and emotional words. <i>Biological Psychology</i> , 2011, 87, 265-274.  | 1.1 | 173       |
| 3  | The sound of emotions – Towards a unifying neural network perspective of affective sound processing. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 68, 96-110.  | 2.9 | 151       |
| 4  | Subthalamic nucleus: A key structure for emotional component synchronization in humans. <i>Neuroscience and Biobehavioral Reviews</i> , 2013, 37, 358-373.  | 2.9 | 142       |
| 5  | Processing of emotional vocalizations in bilateral inferior frontal cortex. <i>Neuroscience and Biobehavioral Reviews</i> , 2013, 37, 2847-2855.  | 2.9 | 131       |
| 6  | The role of the medial temporal limbic system in processing emotions in voice and music. <i>Progress in Neurobiology</i> , 2014, 123, 1-17.   | 2.8 | 115       |
| 7  | Semisupervised Autoencoders for Speech Emotion Recognition. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2018, 26, 31-43.   | 4.0 | 112       |
| 8  | Amygdala subregions differentially respond and rapidly adapt to threatening voices. <i>Cortex</i> , 2013, 49, 1394-1403.  | 1.1 | 108       |
| 9  | Universum Autoencoder-Based Domain Adaptation for Speech Emotion Recognition. <i>IEEE Signal Processing Letters</i> , 2017, 24, 500-504.  | 2.1 | 104       |
| 10 | Towards a fronto-temporal neural network for the decoding of angry vocal expressions. <i>NeuroImage</i> , 2012, 62, 1658-1666.  | 2.1 | 97        |
| 11 | Getting the beat: Entrainment of brain activity by musical rhythm and pleasantness. <i>NeuroImage</i> , 2014, 103, 55-64.   | 2.1 | 89        |
| 12 | Perceiving emotional expressions in others: Activation likelihood estimation meta-analyses of explicit evaluation, passive perception and incidental perception of emotions. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 71, 810-828. | 2.9 | 88        |
| 13 | Face and Voice Perception: Understanding Commonalities and Differences. <i>Trends in Cognitive Sciences</i> , 2020, 24, 398-410.  | 4.0 | 81        |
| 14 | Spatio-temporal brain dynamics in a combined stimulus – stimulus – response conflict task. <i>NeuroImage</i> , 2011, 54, 622-634.   | 2.1 | 80        |
| 15 | Multiple subregions in superior temporal cortex are differentially sensitive to vocal expressions: A quantitative meta-analysis. <i>Neuroscience and Biobehavioral Reviews</i> , 2013, 37, 24-35.   | 2.9 | 73        |
| 16 | Temporal dynamics of musical emotions examined through intersubject synchrony of brain activity. <i>Social Cognitive and Affective Neuroscience</i> , 2015, 10, 1705-1721.  | 1.5 | 69        |
| 17 | Asymmetrical effects of unilateral right or left amygdala damage on auditory cortical processing of vocal emotions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1583-1588.              | 3.3 | 55        |
| 18 | Early and late temporo-spatial effects of contextual interference during perception of facial affect. <i>International Journal of Psychophysiology</i> , 2009, 74, 1-13.  | 0.5 | 54        |

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|----|--|-----|-----------|
| 19 | Subcortical processing in auditory communication. <i>Hearing Research</i> , 2015, 328, 67-77.  | 0.9 | 53        |
| 20 | Bilateral dorsal and ventral fiber pathways for the processing of affective prosody identified by probabilistic fiber tracking. <i>NeuroImage</i> , 2015, 109, 27-34.                          | 2.1 | 45        |
| 21 | Talking in Fury: The Cortico-Subcortical Network Underlying Angry Vocalizations. <i>Cerebral Cortex</i> , 2015, 25, 2752-2762.   | 1.6 | 38        |
| 22 | Functional organization of face processing in the human superior temporal sulcus: a 7T high-resolution fMRI study. <i>Social Cognitive and Affective Neuroscience</i> , 2018, 13, 102-113.     | 1.5 | 38        |
| 23 | Dynamic human and avatar facial expressions elicit differential brain responses. <i>Social Cognitive and Affective Neuroscience</i> , 2020, 15, 303-317.                                       | 1.5 | 37        |
| 24 | Structural and functional connectivity of the subthalamic nucleus during vocal emotion decoding. <i>Social Cognitive and Affective Neuroscience</i> , 2016, 11, 349-356.                       | 1.5 | 34        |
| 25 | Exploitation of Phase-Based Features for Whispered Speech Emotion Recognition. <i>IEEE Access</i> , 2016, 4, 4299-4309.  | 2.6 | 32        |
| 26 | Multimodal emotion perception after anterior temporal lobectomy (ATL). <i>Frontiers in Human Neuroscience</i> , 2014, 8, 275.  | 1.0 | 29        |
| 27 | Recognizing Emotions from Whispered Speech Based on Acoustic Feature Transfer Learning. <i>IEEE Access</i> , 2017, , 1-1.  | 2.6 | 29        |
| 28 | Amygdala and auditory cortex exhibit distinct sensitivity to relevant acoustic features of auditory emotions. <i>Cortex</i> , 2016, 85, 116-125.   | 1.1 | 27        |
| 29 | Neural decoding of discriminative auditory object features depends on their socio-affective valence. <i>Social Cognitive and Affective Neuroscience</i> , 2016, 11, 1638-1649.                 | 1.5 | 26        |
| 30 | Ageing differentially affects neural processing of different conflict types – an fMRI study. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 57.   | 1.7 | 20        |
| 31 | Conflict-Specific Aging Effects Mainly Manifest in Early Information Processing Stages – An ERP Study with Different Conflict Types. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 53.     | 1.7 | 20        |
| 32 | Nonverbal auditory communication – Evidence for integrated neural systems for voice signal production and perception. <i>Progress in Neurobiology</i> , 2021, 199, 101948.                     | 2.8 | 19        |
| 33 | Basal ganglia and cerebellum contributions to vocal emotion processing as revealed by high-resolution fMRI. <i>Scientific Reports</i> , 2021, 11, 10645.                                       | 1.6 | 19        |
| 34 | Human Discrimination and Categorization of Emotions in Voices: A Functional Near-Infrared Spectroscopy (fNIRS) Study. <i>Frontiers in Neuroscience</i> , 2020, 14, 570.                        | 1.4 | 18        |
| 35 | Interference control during recognition of facial affect enhances the processing of expression specific properties – An event-related fMRI study. <i>Brain Research</i> , 2009, 1269, 143-157. | 1.1 | 17        |
| 36 | Affect-related personality traits and contextual interference processing during perception of facial affect. <i>Neuroscience Letters</i> , 2010, 469, 260-264.                                 | 1.0 | 16        |

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|----|--|-----|-----------|
| 37 | A neurocognitive model of perceptual decision-making on emotional signals. <i>Human Brain Mapping</i> , 2020, 41, 1532-1556.   | 1.9 | 15        |
| 38 | Terrifying film music mimics alarming acoustic feature of human screams. <i>Journal of the Acoustical Society of America</i> , 2020, 147, EL540-EL545.                         | 0.5 | 15        |
| 39 | Proximal vocal threat recruits the right voice-sensitive auditory cortex. <i>Social Cognitive and Affective Neuroscience</i> , 2016, 11, 793-802.                              | 1.5 | 14        |
| 40 | Neurocircuitry of impaired affective sound processing: A clinical disorders perspective. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 83, 516-524.                    | 2.9 | 13        |
| 41 | Human striatal activation during adjustment of the response criterion in visual word recognition. <i>NeuroImage</i> , 2011, 54, 2412-2417.                                     | 2.1 | 12        |
| 42 | Contextual interference processing during fast categorisations of facial expressions. <i>Cognition and Emotion</i> , 2011, 25, 1045-1073.                                      | 1.2 | 12        |
| 43 | Biased and unbiased perceptual decision-making on vocal emotions. <i>Scientific Reports</i> , 2017, 7, 16274.  | 1.6 | 12        |
| 44 | Human amygdala response to unisensory and multisensory emotion input: No evidence for superadditivity from intracranial recordings. <i>Neuropsychologia</i> , 2019, 131, 9-24. | 0.7 | 12        |
| 45 | Face recognition under ambiguous visual stimulation: fMRI correlates of "encoding styles". <i>Human Brain Mapping</i> , 2011, 32, 1750-1761.                                   | 1.9 | 11        |
| 46 | Aggressive vocal expressions - An investigation of their underlying neural network. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 121.                                | 1.0 | 11        |
| 47 | Reappraising the voices of wrath. <i>Social Cognitive and Affective Neuroscience</i> , 2015, 10, 1644-1660.  | 1.5 | 11        |
| 48 | Neural oscillations in human auditory cortex revealed by fast fMRI during auditory perception. <i>NeuroImage</i> , 2020, 207, 116401.  | 2.1 | 11        |
| 49 | Neural Control of Enhanced Filtering Demands in a Combined Flanker and Garner Conflict Task. <i>PLoS ONE</i> , 2015, 10, e0120582.   | 1.1 | 10        |
| 50 | The hippocampus is an integral part of the temporal limbic system during emotional processing. <i>Physics of Life Reviews</i> , 2015, 13, 87-88.                               | 1.5 | 10        |
| 51 | Functional neuroimaging of human vocalizations and affective speech. <i>Behavioral and Brain Sciences</i> , 2014, 37, 554-555.   | 0.4 | 9         |
| 52 | Whispering - The hidden side of auditory communication. <i>NeuroImage</i> , 2016, 142, 602-612.  | 2.1 | 9         |
| 53 | Amygdala structure and core dimensions of the affective personality. <i>Brain Structure and Function</i> , 2017, 222, 3915-3925.   | 1.2 | 9         |
| 54 | The Effect of Narrow-Band Transmission on Recognition of Paralinguistic Information From Human Vocalizations. <i>IEEE Access</i> , 2016, 4, 6059-6072.                         | 2.6 | 8         |

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|----|---|-----|-----------|
| 55 | Neurocognitive dynamics of near-threshold voice signal detection and affective voice evaluation. <i>Science Advances</i> , 2020, 6, .   | 4.7 | 8         |
| 56 | Cortical voice processing is grounded in elementary sound analyses for vocalization relevant sound patterns. <i>Progress in Neurobiology</i> , 2021, 200, 101982.   | 2.8 | 8         |
| 57 | Selective perturbation of cognitive conflict in the human brain – A combined fMRI and rTMS study. <i>Scientific Reports</i> , 2016, 6, 38700.   | 1.6 | 7         |
| 58 | Categorizing human vocal signals depends on an integrated auditory – frontal cortical network. <i>Human Brain Mapping</i> , 2021, 42, 1503-1517.  | 1.9 | 7         |
| 59 | Parameter-Specific Morphing Reveals Contributions of Timbre to the Perception of Vocal Emotions in Cochlear Implant Users. <i>Ear and Hearing</i> , 2022, 43, 1178-1188.  | 1.0 | 7         |
| 60 | Modulation of Auditory Spatial Attention by Angry Prosody: An fMRI Auditory Dot-Probe Study. <i>Frontiers in Neuroscience</i> , 2016, 10, 216.  | 1.4 | 6         |
| 61 | Neurocognitive processing efficiency for discriminating human non-alarm rather than alarm scream calls. <i>PLoS Biology</i> , 2021, 19, e3000751.   | 2.6 | 4         |
| 62 | Neural Dynamics of Karaoke-Like Voice Imitation in Singing Performance. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 135.   | 1.0 | 3         |
| 63 | Distinct functional levels of human voice processing in the auditory cortex. <i>Cerebral Cortex</i> , 2023, 33, 1170-1185.  | 1.6 | 3         |
| 64 | The behavioral and neural binding phenomena during visuomotor integration of angry facial expressions. <i>Scientific Reports</i> , 2018, 8, 6887.   | 1.6 | 2         |
| 65 | Temporal lobe epilepsy alters neural responses to human and avatar facial expressions in the face perception network. <i>Brain and Behavior</i> , 2021, 11, e02140.   | 1.0 | 2         |
| 66 | Auditory cortical micro-networks show differential connectivity during voice and speech processing in humans. <i>Communications Biology</i> , 2021, 4, 801.   | 2.0 | 2         |
| 67 | Neural competition between concurrent speech production and other speech perception. <i>NeuroImage</i> , 2021, 228, 117710.   | 2.1 | 1         |
| 68 | The evolutionary benefit of less-credible affective musical signals for emotion induction during storytelling. <i>Behavioral and Brain Sciences</i> , 2021, 44, e118.   | 0.4 | 1         |
| 69 | Studying clinical communication through multiple lenses: The underused potential of inter-disciplinary collaborations. <i>Patient Education and Counseling</i> , 2022, 105, 1673-1673.                                    | 1.0 | 1         |
| 70 | Affective speech modulates a cortico-limbic network in real time. <i>Progress in Neurobiology</i> , 2022, 214, 102278.  | 2.8 | 1         |
| 71 | Audiomotor integration of angry and happy prosodies. <i>Psychological Research</i> , 2019, 83, 1640-1655.   | 1.0 | 0         |
| 72 | Eyewitness Memory for Person Identification: Predicting Mugbook Recognition Accuracy According to Person Description Abilities and Subjective Confidence of Witnesses. <i>Frontiers in Psychology</i> , 2021, 12, 675956. | 1.1 | 0         |