

# Lutz Jäncke

## List of Publications by Year in descending order

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Version: 2024-02-01

422  
papers

30,414  
citations

3149

92  
h-index

7931

149  
g-index

599  
all docs

599  
docs citations

599  
times ranked

23245  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | The musician's brain as a model of neuroplasticity. <i>Nature Reviews Neuroscience</i> , 2002, 3, 473-478.  | 4.9 | 715       |
| 2  | In vivo evidence of structural brain asymmetry in musicians. <i>Science</i> , 1995, 267, 699-701.   | 6.0 | 684       |
| 3  | Increased corpus callosum size in musicians. <i>Neuropsychologia</i> , 1995, 33, 1047-1055.   | 0.7 | 613       |
| 4  | A Process Model of the Formation of Spatial Presence Experiences. <i>Media Psychology</i> , 2007, 9, 493-525.   | 2.1 | 568       |
| 5  | Sex beyond the genitalia: The human brain mosaic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 15468-15473.                                    | 3.3 | 493       |
| 6  | Recognition of emotional prosody and verbal components of spoken language: an fMRI study. <i>Cognitive Brain Research</i> , 2000, 9, 227-238.   | 3.3 | 412       |
| 7  | From emotion perception to emotion experience: Emotions evoked by pictures and classical music. <i>International Journal of Psychophysiology</i> , 2006, 60, 34-43.                                   | 0.5 | 394       |
| 8  | Anatomical left-right asymmetry of language-related temporal cortex is different in left- and right-handers. <i>Annals of Neurology</i> , 1991, 29, 315-319.  | 2.8 | 376       |
| 9  | Transcranial direct current stimulation of the prefrontal cortex modulates working memory performance: combined behavioural and electrophysiological evidence. <i>BMC Neuroscience</i> , 2011, 12, 2. | 0.8 | 349       |
| 10 | Motor cortex and hand motor skills: Structural compliance in the human brain. , 1997, 5, 206-215.   |     | 342       |
| 11 | Cortical Activations during the Mental Rotation of Different Visual Objects. <i>NeuroImage</i> , 2001, 13, 143-152.   | 2.1 | 331       |
| 12 | Women and men exhibit different cortical activation patterns during mental rotation tasks. <i>Neuropsychologia</i> , 2002, 40, 2397-2408.   | 0.7 | 326       |
| 13 | Interhemispheric asymmetry of the human motor cortex related to handedness and gender. <i>Neuropsychologia</i> , 2000, 38, 304-312.   | 0.7 | 318       |
| 14 | Gender differences in cortical complexity. <i>Nature Neuroscience</i> , 2004, 7, 799-800.   | 7.1 | 311       |
| 15 | Gender effects on cortical thickness and the influence of scaling. <i>Human Brain Mapping</i> , 2006, 27, 314-324.  | 1.9 | 310       |
| 16 | The emotional power of music: How music enhances the feeling of affective pictures. <i>Brain Research</i> , 2006, 1075, 151-164.  | 1.1 | 297       |
| 17 | Functional anatomy of pitch memory – an fMRI study with sparse temporal sampling. <i>NeuroImage</i> , 2003, 19, 1417-1426.  | 2.1 | 290       |
| 18 | Phonetic Perception and the Temporal Cortex. <i>NeuroImage</i> , 2002, 15, 733-746.   | 2.1 | 283       |

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|----|---|-----|-----------|
| 19 | Cortical activations during paced finger-tapping applying visual and auditory pacing stimuli. <i>Cognitive Brain Research</i> , 2000, 10, 51-66.  | 3.3 | 266       |
| 20 | The relationship between corpus callosum size and forebrain volume. <i>Cerebral Cortex</i> , 1997, 7, 48-56.  | 1.6 | 265       |
| 21 | Cortical activations in primary and secondary motor areas for complex bimanual movements in professional pianists. <i>Cognitive Brain Research</i> , 2000, 10, 177-183.   | 3.3 | 265       |
| 22 | Plaque Ulceration and Lumen Thrombus Are the Main Sources of Cerebral Microemboli in High-grade Internal Carotid Artery Stenosis. <i>Stroke</i> , 1995, 26, 1231-1233.  | 1.0 | 263       |
| 23 | The plastic human brain. <i>Restorative Neurology and Neuroscience</i> , 2009, 27, 521-538.   | 0.4 | 256       |
| 24 | Delayed Striate Cortical Activation during Spatial Attention. <i>Neuron</i> , 2002, 35, 575-587.  | 3.8 | 247       |
| 25 | White matter plasticity in the corticospinal tract of musicians: A diffusion tensor imaging study. <i>NeuroImage</i> , 2009, 46, 600-607.   | 2.1 | 247       |
| 26 | Functional brain network efficiency predicts intelligence. <i>Human Brain Mapping</i> , 2012, 33, 1393-1406.  | 1.9 | 243       |
| 27 | Activation of Serotonin 2A Receptors Underlies the Psilocybin-Induced Effects on $\Delta$ Oscillations, N170 Visual-Evoked Potentials, and Visual Hallucinations. <i>Journal of Neuroscience</i> , 2013, 33, 10544-10551. | 1.7 | 240       |
| 28 | Mindfulness and emotion regulation—an fMRI study. <i>Social Cognitive and Affective Neuroscience</i> , 2014, 9, 776-785.  | 1.5 | 238       |
| 29 | Attention modulates activity in the primary and the secondary auditory cortex: a functional magnetic resonance imaging study in human subjects. <i>Neuroscience Letters</i> , 1999, 266, 125-128.                         | 1.0 | 231       |
| 30 | Resting-State Functional and Structural Connectivity Within an Insula—Amygdala Route Specifically Index State and Trait Anxiety. <i>Biological Psychiatry</i> , 2013, 73, 85-92.  | 0.7 | 224       |
| 31 | Structural neuroplasticity in the sensorimotor network of professional female ballet dancers. <i>Human Brain Mapping</i> , 2010, 31, 1196-1206.   | 1.9 | 207       |
| 32 | A network for audio—motor coordination in skilled pianists and non-musicians. <i>Brain Research</i> , 2007, 1161, 65-78.  | 1.1 | 201       |
| 33 | Brain structural trajectories over the adult lifespan. <i>Human Brain Mapping</i> , 2012, 33, 2377-2389.  | 1.9 | 199       |
| 34 | Visual activation of auditory cortex reflects maladaptive plasticity in cochlear implant users. <i>Brain</i> , 2012, 135, 555-568.  | 3.7 | 195       |
| 35 | Mapping cortical gray matter in the young adult brain: Effects of gender. <i>NeuroImage</i> , 2005, 26, 493-501.  | 2.1 | 189       |
| 36 | A voxel-based approach to gray matter asymmetries. <i>NeuroImage</i> , 2004, 22, 656-664.   | 2.1 | 188       |

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|----|--|-----|-----------|
| 37 | Training-Induced Neural Plasticity in Golf Novices. <i>Journal of Neuroscience</i> , 2011, 31, 12444-12448.  | 1.7 | 186       |
| 38 | Self-related awareness and emotion regulation. <i>NeuroImage</i> , 2010, 50, 734-741.  | 2.1 | 182       |
| 39 | Effects of limb immobilization on brain plasticity. <i>Neurology</i> , 2012, 78, 182-188.  | 1.5 | 174       |
| 40 | Brain size, sex, and the aging brain. <i>Human Brain Mapping</i> , 2015, 36, 150-169.  | 1.9 | 173       |
| 41 | Hemispheric Asymmetries in Cortical Thickness. <i>Cerebral Cortex</i> , 2006, 16, 1232-1238.   | 1.6 | 171       |
| 42 | Total surface of temporoparietal intrasylvian cortex: Diverging left-right asymmetries*1. <i>Brain and Language</i> , 1990, 39, 357-372.   | 0.8 | 169       |
| 43 | Unsolved Problems in Comparing Brain Sizes in Homo Sapiens. <i>Brain and Cognition</i> , 1998, 37, 254-285.  | 0.8 | 165       |
| 44 | The Architecture of the Golfer's Brain. <i>PLoS ONE</i> , 2009, 4, e4785.  | 1.1 | 159       |
| 45 | Intensity coding of auditory stimuli: an fMRI study. <i>Neuropsychologia</i> , 1998, 36, 875-883.  | 0.7 | 158       |
| 46 | Differential magnetic resonance signal change in human sensorimotor cortex to finger movements of different rate of the dominant and subdominant hand. <i>Cognitive Brain Research</i> , 1998, 6, 279-284. | 3.3 | 154       |
| 47 | Relationships Between Sulcal Asymmetries and Corpus Callosum Size: Gender and Handedness Effects. <i>Cerebral Cortex</i> , 2003, 13, 1084-1093.  | 1.6 | 153       |
| 48 | Scanning silence: Mental imagery of complex sounds. <i>NeuroImage</i> , 2005, 26, 1119-1127.   | 2.1 | 153       |
| 49 | The effects of working memory training on functional brain network efficiency. <i>Cortex</i> , 2013, 49, 2424-2438.  | 1.1 | 153       |
| 50 | Music and the heart. <i>European Heart Journal</i> , 2015, 36, 3043-3049.  | 1.0 | 153       |
| 51 | Cerebral activation covaries with movement rate. <i>NeuroReport</i> , 1996, 7, 879-883.  | 0.6 | 152       |
| 52 | Neural Correlate of Spatial Presence in an Arousing and Noninteractive Virtual Reality: An EEG and Psychophysiology Study. <i>Cyberpsychology, Behavior and Social Networking</i> , 2006, 9, 30-45.        | 2.2 | 149       |
| 53 | Modulation of anticipatory emotion and perception processing by cognitive control. <i>NeuroImage</i> , 2007, 37, 652-662.  | 2.1 | 145       |
| 54 | Feeling present in arousing virtual reality worlds: prefrontal brain regions differentially orchestrate presence experience in adults and children. <i>Frontiers in Human Neuroscience</i> , 2008, 2, 8.   | 1.0 | 145       |

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|----|--|-----|-----------|
| 55 | Altered limbic and autonomic processing supports brain-heart axis in Takotsubo syndrome. <i>European Heart Journal</i> , 2019, 40, 1183-1187.  | 1.0 | 145       |
| 56 | Asymmetry of the planum parietale. <i>NeuroReport</i> , 1994, 5, 1161-1163.  | 0.6 | 144       |
| 57 | Sex but no hand difference in the isthmus of the corpus callosum. <i>Neurology</i> , 1992, 42, 749-749.  | 1.5 | 143       |
| 58 | The Role of the Inferior Parietal Cortex in Linking the Tactile Perception and Manual Construction of Object Shapes. <i>Cerebral Cortex</i> , 2001, 11, 114-121.                     | 1.6 | 141       |
| 59 | fMRI study of bimanual coordination. <i>Neuropsychologia</i> , 2000, 38, 164-174.  | 0.7 | 138       |
| 60 | Brain structure and cognitive ability in healthy aging: a review on longitudinal correlated change. <i>Reviews in the Neurosciences</i> , 2019, 31, 1-57.                            | 1.4 | 138       |
| 61 | Brain (A)Symmetry in Monozygotic Twins. <i>Cerebral Cortex</i> , 1995, 5, 296-300.   | 1.6 | 137       |
| 62 | Happy heart syndrome: role of positive emotional stress in takotsubo syndrome. <i>European Heart Journal</i> , 2016, 37, 2823-2829.  | 1.0 | 136       |
| 63 | Focused and Nonfocused Attention in Verbal and Emotional Dichotic Listening: An fMRI Study. <i>Brain and Language</i> , 2001, 78, 349-363.   | 0.8 | 135       |
| 64 | 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. | 1.2 | 134       |
| 65 | Effects of simultaneously performed cognitive and physical training in older adults. <i>BMC Neuroscience</i> , 2013, 14, 103.  | 0.8 | 133       |
| 66 | Hand Skill Asymmetry in Professional Musicians. <i>Brain and Cognition</i> , 1997, 34, 424-432.  | 0.8 | 131       |
| 67 | Does dichotic listening probe temporal lobe functions?. <i>Neurology</i> , 2002, 58, 736-743.  | 1.5 | 131       |
| 68 | Sex/gender differences in cognition, neurophysiology, and neuroanatomy. <i>F1000Research</i> , 2018, 7, 805.   | 0.8 | 130       |
| 69 | Asymmetric hemodynamic responses of the human auditory cortex to monaural and binaural stimulation. <i>Hearing Research</i> , 2002, 170, 166-178.                                    | 0.9 | 127       |
| 70 | Corpus callosum and brain volume in women and men. <i>NeuroReport</i> , 1995, 6, 1002-1004.  | 0.6 | 124       |
| 71 | Globally Altered Structural Brain Network Topology in Grapheme-Color Synesthesia. <i>Journal of Neuroscience</i> , 2011, 31, 5816-5828.  | 1.7 | 123       |
| 72 | Short-term functional plasticity in the human auditory cortex: an fMRI study. <i>Cognitive Brain Research</i> , 2001, 12, 479-485.   | 3.3 | 122       |

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|----|--|-----|-----------|
| 73 | 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.         | 1.0 | 122       |
| 74 | Influence of virtual reality soccer game on walking performance in robotic assisted gait training for children. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2010, 7, 15.       | 2.4 | 121       |
| 75 | Modulating presence and impulsiveness by external stimulation of the brain. <i>Behavioral and Brain Functions</i> , 2008, 4, 33.   | 1.4 | 120       |
| 76 | Tapping movements according to regular and irregular visual timing signals investigated with fMRI. <i>NeuroReport</i> , 2000, 11, 1301-1306.   | 0.6 | 116       |
| 77 | Assessment of reliability in functional imaging studies. <i>Journal of Magnetic Resonance Imaging</i> , 2003, 17, 463-471.   | 1.9 | 116       |
| 78 | Auditory lateralization and planum temporale asymmetry. <i>NeuroReport</i> , 1993, 5, 169-172.   | 0.6 | 114       |
| 79 | Music, memory and emotion. <i>Journal of Biology</i> , 2008, 7, 21.  | 2.7 | 114       |
| 80 | Extensive training of elementary finger tapping movements changes the pattern of motor cortex excitability. <i>Experimental Brain Research</i> , 2006, 174, 199-209.                       | 0.7 | 113       |
| 81 | The human likeness dimension of the "uncanny valley hypothesis": behavioral and functional MRI findings. <i>Frontiers in Human Neuroscience</i> , 2011, 5, 126.                            | 1.0 | 113       |
| 82 | 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. | 1.0 | 113       |
| 83 | The Neural Correlate of Speech Rhythm as Evidenced by Metrical Speech Processing. <i>Journal of Cognitive Neuroscience</i> , 2008, 20, 541-552.  | 1.1 | 107       |
| 84 | Modulation of corticospinal activity by strong emotions evoked by pictures and classical music: a transcranial magnetic stimulation study. <i>NeuroReport</i> , 2007, 18, 261-265.         | 0.6 | 106       |
| 85 | Brain size and grey matter volume in the healthy human brain. <i>NeuroReport</i> , 2002, 13, 2371-4.   | 0.6 | 105       |
| 86 | Absolute Pitch--Functional Evidence of Speech-Relevant Auditory Acuity. <i>Cerebral Cortex</i> , 2010, 20, 447-455.  | 1.6 | 103       |
| 87 | Neural correlates of altered general emotion processing in social anxiety disorder. <i>Brain Research</i> , 2011, 1378, 72-83.   | 1.1 | 103       |
| 88 | The desire for healthy limb amputation: structural brain correlates and clinical features of xenomelia. <i>Brain</i> , 2013, 136, 318-329.   | 3.7 | 102       |
| 89 | A parametric analysis of the 'rate effect' in the sensorimotor cortex: a functional magnetic resonance imaging analysis in human subjects. <i>Neuroscience Letters</i> , 1998, 252, 37-40. | 1.0 | 101       |
| 90 | The Problem of Thresholding in Small-World Network Analysis. <i>PLoS ONE</i> , 2013, 8, e53199.  | 1.1 | 101       |

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|-----|--|------|-----------|
| 91  | Morphological brain differences between adult stutterers and non-stutterers. BMC Neurology, 2004, 4, 23.   | 0.8  | 100       |
| 92  | The neuroanatomy of grapheme-color synesthesia. European Journal of Neuroscience, 2009, 29, 1287-1293.   | 1.2  | 100       |
| 93  | Volumetric associations between uncinate fasciculus, amygdala, and trait anxiety. BMC Neuroscience, 2012, 13, 4.   | 0.8  | 100       |
| 94  | Early electrophysiological correlates of meter and rhythm processing in music perception. Cortex, 2009, 45, 93-102.  | 1.1  | 99        |
| 95  | Asymmetry of cortical activation during maximum and convenient tapping speed. Neuroscience Letters, 2004, 373, 61-66.  | 1.0  | 97        |
| 96  | Training emotion regulation through real-time fMRI neurofeedback of amygdala activity. NeuroImage, 2019, 184, 687-696.   | 2.1  | 97        |
| 97  | When coloured sounds taste sweet. Nature, 2005, 434, 38-38.  | 13.7 | 95        |
| 98  | Enhancement of Auditory-evoked Potentials in Musicians Reflects an Influence of Expertise but not Selective Attention. Journal of Cognitive Neuroscience, 2008, 20, 2238-2249.               | 1.1  | 94        |
| 99  | Long-term training affects cerebellar processing in skilled keyboard players. NeuroReport, 2004, 15, 1279-1282.  | 0.6  | 92        |
| 100 | Age prediction on the basis of brain anatomical measures. Human Brain Mapping, 2017, 38, 997-1008.   | 1.9  | 92        |
| 101 | Focused attention in a simple dichotic listening task: an fMRI experiment. Cognitive Brain Research, 2003, 16, 257-266.  | 3.3  | 90        |
| 102 | Associations between age, motor function, and resting state sensorimotor network connectivity in healthy older adults. NeuroImage, 2015, 108, 47-59.   | 2.1  | 90        |
| 103 | Virtual reality for enhancement of robot-assisted gait training in children with central gait disorders. Journal of Rehabilitation Medicine, 2011, 43, 493-499.                              | 0.8  | 89        |
| 104 | Effects of working memory training in young and old adults. Memory and Cognition, 2013, 41, 611-624.   | 0.9  | 88        |
| 105 | Functional organization of the auditory cortex is different in stutterers and fluent speakers. NeuroReport, 1998, 9, 2225-2229.  | 0.6  | 87        |
| 106 | Different cortical activations for subjects using allocentric or egocentric strategies in a virtual navigation task. NeuroReport, 2004, 15, 135-140.   | 0.6  | 87        |
| 107 | Direct current induced short-term modulation of the left dorsolateral prefrontal cortex while learning auditory presented nouns. Behavioral and Brain Functions, 2009, 5, 29.                | 1.4  | 87        |
| 108 | Excitability changes induced in the human auditory cortex by transcranial direct current stimulation: direct electrophysiological evidence. Experimental Brain Research, 2011, 215, 135-140. | 0.7  | 87        |

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|-----|---|-----|-----------|
| 109 | 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.   | 1.6 | 86        |
| 110 | Reliability and statistical power analysis of cortical and subcortical FreeSurfer metrics in a large sample of healthy elderly. <i>NeuroImage</i> , 2015, 108, 95-109.  | 2.1 | 85        |
| 111 | Intermanual Transfer in a Simple Motor Task. <i>Cortex</i> , 2002, 38, 805-815.   | 1.1 | 83        |
| 112 | The multiple synaesthete E.S. â€” Neuroanatomical basis of interval-taste and tone-colour synaesthesia. <i>NeuroImage</i> , 2008, 43, 192-203.  | 2.1 | 83        |
| 113 | Randomized controlled trial investigating the effect of music on the virtual reality laparoscopic learning performance of novice surgeons. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2008, 22, 2416-2420. | 1.3 | 82        |
| 114 | Music drives brain plasticity. <i>F1000 Biology Reports</i> , 2009, 1, 78.  | 4.0 | 82        |
| 115 | Neurophysiological evidence of impaired musical sound perception in cochlear-implant users. <i>Clinical Neurophysiology</i> , 2010, 121, 2070-2082.   | 0.7 | 82        |
| 116 | Neurofunctional and Behavioral Correlates of Phonetic and Temporal Categorization in Musically Trained and Untrained Subjects. <i>Cerebral Cortex</i> , 2012, 22, 650-658.  | 1.6 | 82        |
| 117 | Influence of acoustic masking noise in fMRI of the auditory cortex during phonetic discrimination. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 9, 19-25.   | 1.9 | 81        |
| 118 | Frequency Correlates in Grapheme-Color Synaesthesia. <i>Psychological Science</i> , 2007, 18, 788-792.  | 1.8 | 81        |
| 119 | Neural circuits of emotion regulation: a comparison of mindfulness-based and cognitive reappraisal strategies. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2015, 265, 45-55.                             | 1.8 | 81        |
| 120 | Slowing fastest finger movements of the dominant hand with low-frequency rTMS of the hand area of the primary motor cortex. <i>Experimental Brain Research</i> , 2004, 155, 196-203.  | 0.7 | 80        |
| 121 | Bimanual versus unimanual coordination: what makes the difference?. <i>NeuroImage</i> , 2004, 22, 1336-1350.  | 2.1 | 79        |
| 122 | Segmental processing in the human auditory dorsal stream. <i>Brain Research</i> , 2008, 1220, 179-190.  | 1.1 | 79        |
| 123 | Virtual milgram: empathic concern or personal distress? Evidence from functional MRI and dispositional measures. <i>Frontiers in Human Neuroscience</i> , 2009, 3, 29.  | 1.0 | 79        |
| 124 | Temporal and spatial patterns of cortical activation during assisted lower limb movement. <i>Experimental Brain Research</i> , 2010, 203, 181-191.  | 0.7 | 78        |
| 125 | Enhancing performance in numerical magnitude processing and mental arithmetic using transcranial Direct Current Stimulation (tDCS). <i>Frontiers in Human Neuroscience</i> , 2013, 7, 244.                                      | 1.0 | 77        |
| 126 | Pre-reflective and reflective self-reference: A spatiotemporal EEG analysis. <i>NeuroImage</i> , 2008, 42, 437-449.   | 2.1 | 76        |



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|-----|---|-----|-----------|
| 127 | Longitudinal reliability of tract-based spatial statistics in diffusion tensor imaging. <i>Human Brain Mapping</i> , 2014, 35, 4544-4555.   | 1.9 | 76        |
| 128 | The Effect of Finger-Movement Speed of the Dominant and the Subdominant Hand on Cerebellar Activation: A Functional Magnetic Resonance Imaging Study. <i>NeuroImage</i> , 1999, 9, 497-507.                           | 2.1 | 75        |
| 129 | Neural correlates of a "pessimistic" attitude when anticipating events of unknown emotional valence. <i>NeuroImage</i> , 2007, 34, 848-858.   | 2.1 | 75        |
| 130 | Sexual Dimorphism in the Parietal Substrate Associated with Visuospatial Cognition Independent of General Intelligence. <i>Journal of Cognitive Neuroscience</i> , 2010, 22, 139-155.                                 | 1.1 | 75        |
| 131 | White matter alterations in social anxiety disorder. <i>Journal of Psychiatric Research</i> , 2011, 45, 1366-1372.  | 1.5 | 74        |
| 132 | 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.                                 | 1.1 | 74        |
| 133 | Effects of long-term potentiation in the human visual cortex: a functional magnetic resonance imaging study. <i>NeuroReport</i> , 2005, 16, 1977-1980.  | 0.6 | 73        |
| 134 | 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.  | 0.7 | 73        |
| 135 | The drive-wise project: driving simulator training increases real driving performance in healthy older drivers. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 85.   | 1.7 | 73        |
| 136 | Processing demands upon cognitive, linguistic, and articulatory functions promote grey matter plasticity in the adult multilingual brain: Insights from simultaneous interpreters. <i>Cortex</i> , 2014, 54, 179-189. | 1.1 | 73        |
| 137 | Evidence of frontotemporal structural hypoconnectivity in social anxiety disorder: A quantitative fiber tractography study. <i>Human Brain Mapping</i> , 2013, 34, 437-446.   | 1.9 | 72        |
| 138 | Increased cortical thickness in a frontoparietal network in social anxiety disorder. <i>Human Brain Mapping</i> , 2014, 35, 2966-2977.  | 1.9 | 72        |
| 139 | Takotsubo Syndrome Associated With Structural Brain Alterations of the Limbic System. <i>Journal of the American College of Cardiology</i> , 2018, 71, 809-811.   | 1.2 | 72        |
| 140 | Parasagittal Asymmetries of the Corpus Callosum. <i>Cerebral Cortex</i> , 2006, 16, 346-354.  | 1.6 | 71        |
| 141 | Effect of Aging on ERP Components of Cognitive Control. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 69.   | 1.7 | 71        |
| 142 | The "silent" imprint of musical training. <i>Human Brain Mapping</i> , 2016, 37, 536-546.   | 1.9 | 71        |
| 143 | Evaluation of evoked potentials to dyadic tones after cochlear implantation. <i>Brain</i> , 2009, 132, 1967-1979.   | 3.7 | 70        |
| 144 | Virtual reality and the role of the prefrontal cortex in adults and children. <i>Frontiers in Neuroscience</i> , 2009, 3, 52-9.   | 1.4 | 69        |

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|-----|--|-----|-----------|
| 145 | Professional Music Training and Novel Word Learning: From Faster Semantic Encoding to Longer-lasting Word Representations. <i>Journal of Cognitive Neuroscience</i> , 2016, 28, 1584-1602.                               | 1.1 | 68        |
| 146 | Top-down and bottom-up modulation of language related areas--an fMRI study. <i>BMC Neuroscience</i> , 2003, 4, 13.   | 0.8 | 67        |
| 147 | Refinement of metre perception " training increases hierarchical metre processing. <i>European Journal of Neuroscience</i> , 2010, 32, 1979-1985.  | 1.2 | 66        |
| 148 | Structural and functional connectivity in healthy aging: Associations for cognition and motor behavior. <i>Human Brain Mapping</i> , 2016, 37, 855-867.  | 1.9 | 66        |
| 149 | Brain stimulation modulates driving behavior. <i>Behavioral and Brain Functions</i> , 2008, 4, 34.   | 1.4 | 65        |
| 150 | Limitation of physical performance in a muscle fatiguing handgrip exercise is mediated by thalamo-insular activity. <i>Human Brain Mapping</i> , 2011, 32, 2151-2160.  | 1.9 | 65        |
| 151 | Functional and Structural Network Recovery after Mild Traumatic Brain Injury: A 1-Year Longitudinal Study. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 280.   | 1.0 | 65        |
| 152 | Electrical brain imaging reveals spatio-temporal dynamics of timbre perception in humans. <i>NeuroImage</i> , 2006, 32, 1510-1523.   | 2.1 | 64        |
| 153 | Neuronal correlates of encoding and retrieval in episodic memory during a paired-word association learning task: a functional magnetic resonance imaging study. <i>Experimental Brain Research</i> , 1999, 128, 332-342. | 0.7 | 63        |
| 154 | Masculinity causes speeding in young men. <i>Accident Analysis and Prevention</i> , 2008, 40, 840-842.   | 3.0 | 63        |
| 155 | Normal intrasylvian anatomical asymmetry in children with developmental language disorder. <i>Neuropsychologia</i> , 1998, 36, 849-855.  | 0.7 | 62        |
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