

# Lutz Jncke

## List of Publications by Citations

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439  
papers

24,534  
citations

85  
h-index

138  
g-index

599  
ext. papers

27,737  
ext. citations

4.2  
avg, IF

7.15  
L-index

#	Paper	IF	Citations
439	In vivo evidence of structural brain asymmetry in musicians. <i>Science</i> , <b>1995</b> , 267, 699-701	33.3	603
438	The musician's brain as a model of neuroplasticity. <i>Nature Reviews Neuroscience</i> , <b>2002</b> , 3, 473-8	13.5	597
437	Increased corpus callosum size in musicians. <i>Neuropsychologia</i> , <b>1995</b> , 33, 1047-55	3.2	512
436	A Process Model of the Formation of Spatial Presence Experiences. <i>Media Psychology</i> , <b>2007</b> , 9, 493-525	2.9	417
435	Recognition of emotional prosody and verbal components of spoken language: an fMRI study. <i>Cognitive Brain Research</i> , <b>2000</b> , 9, 227-38		362
434	Sex beyond the genitalia: The human brain mosaic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 15468-73	11.5	335
433	From emotion perception to emotion experience: emotions evoked by pictures and classical music. <i>International Journal of Psychophysiology</i> , <b>2006</b> , 60, 34-43	2.9	316
432	Anatomical left-right asymmetry of language-related temporal cortex is different in left- and right-handers. <i>Annals of Neurology</i> , <b>1991</b> , 29, 315-9	9.4	314
431	Transcranial direct current stimulation of the prefrontal cortex modulates working memory performance: combined behavioural and electrophysiological evidence. <i>BMC Neuroscience</i> , <b>2011</b> , 12, 2	3.2	291
430	Interhemispheric asymmetry of the human motor cortex related to handedness and gender. <i>Neuropsychologia</i> , <b>2000</b> , 38, 304-12	3.2	285
429	Women and men exhibit different cortical activation patterns during mental rotation tasks. <i>Neuropsychologia</i> , <b>2002</b> , 40, 2397-408	3.2	283
428	Gender effects on cortical thickness and the influence of scaling. <i>Human Brain Mapping</i> , <b>2006</b> , 27, 314-24	5.9	272
427	Motor cortex and hand motor skills: structural compliance in the human brain. <i>Human Brain Mapping</i> , <b>1997</b> , 5, 206-15	5.9	268
426	Cortical activations during the mental rotation of different visual objects. <i>NeuroImage</i> , <b>2001</b> , 13, 143-52	7.9	268
425	Phonetic perception and the temporal cortex. <i>NeuroImage</i> , <b>2002</b> , 15, 733-46	7.9	263
424	Gender differences in cortical complexity. <i>Nature Neuroscience</i> , <b>2004</b> , 7, 799-800	25.5	260
423	The emotional power of music: how music enhances the feeling of affective pictures. <i>Brain Research</i> , <b>2006</b> , 1075, 151-64	3.7	257

422	Functional anatomy of pitch memory--an fMRI study with sparse temporal sampling. <i>NeuroImage</i> , <b>2003</b> , 19, 1417-26	7.9	243
421	Cortical activations during paced finger-tapping applying visual and auditory pacing stimuli. <i>Cognitive Brain Research</i> , <b>2000</b> , 10, 51-66		236
420	Cortical activations in primary and secondary motor areas for complex bimanual movements in professional pianists. <i>Cognitive Brain Research</i> , <b>2000</b> , 10, 177-83		235
419	The relationship between corpus callosum size and forebrain volume. <i>Cerebral Cortex</i> , <b>1997</b> , 7, 48-56	5.1	228
418	White matter plasticity in the corticospinal tract of musicians: a diffusion tensor imaging study. <i>NeuroImage</i> , <b>2009</b> , 46, 600-7	7.9	226
417	Delayed striate cortical activation during spatial attention. <i>Neuron</i> , <b>2002</b> , 35, 575-87	13.9	221
416	The plastic human brain. <i>Restorative Neurology and Neuroscience</i> , <b>2009</b> , 27, 521-38	2.8	219
415	Attention modulates activity in the primary and the secondary auditory cortex: a functional magnetic resonance imaging study in human subjects. <i>Neuroscience Letters</i> , <b>1999</b> , 266, 125-8	3.3	210
414	Plaque ulceration and lumen thrombus are the main sources of cerebral microemboli in high-grade internal carotid artery stenosis. <i>Stroke</i> , <b>1995</b> , 26, 1231-3	6.7	200
413	Functional brain network efficiency predicts intelligence. <i>Human Brain Mapping</i> , <b>2012</b> , 33, 1393-406	5.9	188
412	A network for audio-motor coordination in skilled pianists and non-musicians. <i>Brain Research</i> , <b>2007</b> , 1161, 65-78	3.7	175
411	Mindfulness and emotion regulation--an fMRI study. <i>Social Cognitive and Affective Neuroscience</i> , <b>2014</b> , 9, 776-85	4	174
410	Activation of serotonin 2A receptors underlies the psilocybin-induced effects on oscillations, N170 visual-evoked potentials, and visual hallucinations. <i>Journal of Neuroscience</i> , <b>2013</b> , 33, 10544-51	6.6	172
409	Resting-state functional and structural connectivity within an insula-amygdala route specifically index state and trait anxiety. <i>Biological Psychiatry</i> , <b>2013</b> , 73, 85-92	7.9	172
408	Structural neuroplasticity in the sensorimotor network of professional female ballet dancers. <i>Human Brain Mapping</i> , <b>2010</b> , 31, 1196-206	5.9	169
407	A voxel-based approach to gray matter asymmetries. <i>NeuroImage</i> , <b>2004</b> , 22, 656-64	7.9	167
406	Mapping cortical gray matter in the young adult brain: effects of gender. <i>NeuroImage</i> , <b>2005</b> , 26, 493-501	7.9	166
405	Self-related awareness and emotion regulation. <i>NeuroImage</i> , <b>2010</b> , 50, 734-41	7.9	160

404	Visual activation of auditory cortex reflects maladaptive plasticity in cochlear implant users. <i>Brain</i> , <b>2012</b> , 135, 555-68	11.2	159
403	Training-induced neural plasticity in golf novices. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 12444-8	6.6	158
402	Total surface of temporoparietal intrasylvian cortex: diverging left-right asymmetries. <i>Brain and Language</i> , <b>1990</b> , 39, 357-72	2.9	157
401	Intensity coding of auditory stimuli: an fMRI study. <i>Neuropsychologia</i> , <b>1998</b> , 36, 875-83	3.2	150
400	Brain structural trajectories over the adult lifespan. <i>Human Brain Mapping</i> , <b>2012</b> , 33, 2377-89	5.9	149
399	Hemispheric asymmetries in cortical thickness. <i>Cerebral Cortex</i> , <b>2006</b> , 16, 1232-8	5.1	148
398	Unsolved problems in comparing brain sizes in Homo sapiens. <i>Brain and Cognition</i> , <b>1998</b> , 37, 254-85	2.7	148
397	Brain size, sex, and the aging brain. <i>Human Brain Mapping</i> , <b>2015</b> , 36, 150-69	5.9	143
396	Effects of limb immobilization on brain plasticity. <i>Neurology</i> , <b>2012</b> , 78, 182-8	6.5	142
395	Cerebral activation covaries with movement rate. <i>NeuroReport</i> , <b>1996</b> , 7, 879-83	1.7	141
394	Asymmetry of the planum parietale. <i>NeuroReport</i> , <b>1994</b> , 5, 1161-3	1.7	138
393	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> , <b>1998</b> , 6, 279-84		133
392	Brain (A) symmetry in monozygotic twins. <i>Cerebral Cortex</i> , <b>1995</b> , 5, 296-300	5.1	132
391	The architecture of the golfer's brain. <i>PLoS ONE</i> , <b>2009</b> , 4, e4785	3.7	131
390	Relationships between sulcal asymmetries and corpus callosum size: gender and handedness effects. <i>Cerebral Cortex</i> , <b>2003</b> , 13, 1084-93	5.1	131
389	Modulation of anticipatory emotion and perception processing by cognitive control. <i>NeuroImage</i> , <b>2007</b> , 37, 652-62	7.9	129
388	The role of the inferior parietal cortex in linking the tactile perception and manual construction of object shapes. <i>Cerebral Cortex</i> , <b>2001</b> , 11, 114-21	5.1	127
387	The effects of working memory training on functional brain network efficiency. <i>Cortex</i> , <b>2013</b> , 49, 2424-38.8		121

386	Evidence for rapid auditory perception as the foundation of speech processing: a sparse temporal sampling fMRI study. <i>European Journal of Neuroscience</i> , <b>2004</b> , 20, 2447-56	3.5	121
385	Focused and nonfocused attention in verbal and emotional dichotic listening: an fMRI study. <i>Brain and Language</i> , <b>2001</b> , 78, 349-63	2.9	120
384	Does dichotic listening probe temporal lobe functions?. <i>Neurology</i> , <b>2002</b> , 58, 736-43	6.5	118
383	Hand skill asymmetry in professional musicians. <i>Brain and Cognition</i> , <b>1997</b> , 34, 424-32	2.7	115
382	Feeling present in arousing virtual reality worlds: prefrontal brain regions differentially orchestrate presence experience in adults and children. <i>Frontiers in Human Neuroscience</i> , <b>2008</b> , 2, 8	3.3	113
381	Neural correlate of spatial presence in an arousing and noninteractive virtual reality: an EEG and psychophysiology study. <i>Cyberpsychology, Behavior and Social Networking</i> , <b>2006</b> , 9, 30-45		113
380	Scanning silence: mental imagery of complex sounds. <i>NeuroImage</i> , <b>2005</b> , 26, 1119-27	7.9	113
379	fMRI study of bimanual coordination. <i>Neuropsychologia</i> , <b>2000</b> , 38, 164-74	3.2	113
378	Sex but no hand difference in the isthmus of the corpus callosum. <i>Neurology</i> , <b>1992</b> , 42, 749-52	6.5	111
377	Corpus callosum and brain volume in women and men. <i>NeuroReport</i> , <b>1995</b> , 6, 1002-4	1.7	108
376	The plasticity of the superior longitudinal fasciculus as a function of musical expertise: a diffusion tensor imaging study. <i>Frontiers in Human Neuroscience</i> , <b>2009</b> , 3, 76	3.3	106
375	Modulating presence and impulsiveness by external stimulation of the brain. <i>Behavioral and Brain Functions</i> , <b>2008</b> , 4, 33	4.1	105
374	Assessment of reliability in functional imaging studies. <i>Journal of Magnetic Resonance Imaging</i> , <b>2003</b> , 17, 463-71	5.6	103
373	Tapping movements according to regular and irregular visual timing signals investigated with fMRI. <i>NeuroReport</i> , <b>2000</b> , 11, 1301-6	1.7	103
372	Globally altered structural brain network topology in grapheme-color synesthesia. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 5816-28	6.6	102
371	Asymmetric hemodynamic responses of the human auditory cortex to monaural and binaural stimulation. <i>Hearing Research</i> , <b>2002</b> , 170, 166-78	3.9	102
370	Extensive training of elementary finger tapping movements changes the pattern of motor cortex excitability. <i>Experimental Brain Research</i> , <b>2006</b> , 174, 199-209	2.3	101
369	Short-term functional plasticity in the human auditory cortex: an fMRI study. <i>Cognitive Brain Research</i> , <b>2001</b> , 12, 479-85		99

368	Effects of simultaneously performed cognitive and physical training in older adults. <i>BMC Neuroscience</i> , <b>2013</b> , 14, 103	3.2	95
367	A parametric analysis of the 'rate effect' in the sensorimotor cortex: a functional magnetic resonance imaging analysis in human subjects. <i>Neuroscience Letters</i> , <b>1998</b> , 252, 37-40	3.3	94
366	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> , <b>2014</b> , 8, 915	3.3	93
365	Auditory lateralization and planum temporale asymmetry. <i>NeuroReport</i> , <b>1993</b> , 5, 169-72	1.7	93
364	Happy heart syndrome: role of positive emotional stress in takotsubo syndrome. <i>European Heart Journal</i> , <b>2016</b> , 37, 2823-2829	9.5	93
363	The neural correlate of speech rhythm as evidenced by metrical speech processing. <i>Journal of Cognitive Neuroscience</i> , <b>2008</b> , 20, 541-52	3.1	92
362	Modulation of corticospinal activity by strong emotions evoked by pictures and classical music: a transcranial magnetic stimulation study. <i>NeuroReport</i> , <b>2007</b> , 18, 261-5	1.7	91
361	Music and the heart. <i>European Heart Journal</i> , <b>2015</b> , 36, 3043-9	9.5	90
360	Sex/gender differences in cognition, neurophysiology, and neuroanatomy. <i>F1000Research</i> , <b>2018</b> , 7,	3.6	90
359	Enhancement of auditory-evoked potentials in musicians reflects an influence of expertise but not selective attention. <i>Journal of Cognitive Neuroscience</i> , <b>2008</b> , 20, 2238-49	3.1	89
358	Altered limbic and autonomic processing supports brain-heart axis in Takotsubo syndrome. <i>European Heart Journal</i> , <b>2019</b> , 40, 1183-1187	9.5	88
357	Asymmetry of cortical activation during maximum and convenient tapping speed. <i>Neuroscience Letters</i> , <b>2005</b> , 373, 61-6	3.3	87
356	Influence of virtual reality soccer game on walking performance in robotic assisted gait training for children. <i>Journal of NeuroEngineering and Rehabilitation</i> , <b>2010</b> , 7, 15	5.3	86
355	Absolute pitch--functional evidence of speech-relevant auditory acuity. <i>Cerebral Cortex</i> , <b>2010</b> , 20, 447-55	5.1	85
354	The neuroanatomy of grapheme-color synesthesia. <i>European Journal of Neuroscience</i> , <b>2009</b> , 29, 1287-93	3.5	85
353	The human likeness dimension of the "uncanny valley hypothesis": behavioral and functional MRI findings. <i>Frontiers in Human Neuroscience</i> , <b>2011</b> , 5, 126	3.3	82
352	Music, memory and emotion. <i>Journal of Biology</i> , <b>2008</b> , 7, 21		82
351	Volumetric associations between uncinate fasciculus, amygdala, and trait anxiety. <i>BMC Neuroscience</i> , <b>2012</b> , 13, 4	3.2	81

350	The desire for healthy limb amputation: structural brain correlates and clinical features of xenomelia. <i>Brain</i> , <b>2013</b> , 136, 318-29	11.2	81
349	Neural correlates of altered general emotion processing in social anxiety disorder. <i>Brain Research</i> , <b>2011</b> , 1378, 72-83	3.7	80
348	Functional organization of the auditory cortex is different in stutterers and fluent speakers. <i>NeuroReport</i> , <b>1998</b> , 9, 2225-9	1.7	80
347	Synaesthesia: when coloured sounds taste sweet. <i>Nature</i> , <b>2005</b> , 434, 38	50.4	79
346	Early electrophysiological correlates of meter and rhythm processing in music perception. <i>Cortex</i> , <b>2009</b> , 45, 93-102	3.8	78
345	Direct current induced short-term modulation of the left dorsolateral prefrontal cortex while learning auditory presented nouns. <i>Behavioral and Brain Functions</i> , <b>2009</b> , 5, 29	4.1	78
344	Focused attention in a simple dichotic listening task: an fMRI experiment. <i>Cognitive Brain Research</i> , <b>2003</b> , 16, 257-66		78
343	Morphological brain differences between adult stutterers and non-stutterers. <i>BMC Neurology</i> , <b>2004</b> , 4, 23	3.1	76
342	Different cortical activations for subjects using allocentric or egocentric strategies in a virtual navigation task. <i>NeuroReport</i> , <b>2004</b> , 15, 135-40	1.7	76
341	Influence of acoustic masking noise in fMRI of the auditory cortex during phonetic discrimination. <i>Journal of Magnetic Resonance Imaging</i> , <b>1999</b> , 9, 19-25	5.6	76
340	The problem of thresholding in small-world network analysis. <i>PLoS ONE</i> , <b>2013</b> , 8, e53199	3.7	76
339	Long-term training affects cerebellar processing in skilled keyboard players. <i>NeuroReport</i> , <b>2004</b> , 15, 1279-82		75
338	Virtual reality for enhancement of robot-assisted gait training in children with central gait disorders. <i>Journal of Rehabilitation Medicine</i> , <b>2011</b> , 43, 493-9	3.4	74
337	Excitability changes induced in the human auditory cortex by transcranial direct current stimulation: direct electrophysiological evidence. <i>Experimental Brain Research</i> , <b>2011</b> , 215, 135-40	2.3	74
336	Cortical surface area and cortical thickness demonstrate differential structural asymmetry in auditory-related areas of the human cortex. <i>Cerebral Cortex</i> , <b>2014</b> , 24, 2541-52	5.1	73
335	The multiple synaesthete E.S.: neuroanatomical basis of interval-taste and tone-colour synaesthesia. <i>NeuroImage</i> , <b>2008</b> , 43, 192-203	7.9	72
334	Frequency correlates in grapheme-color synaesthesia. <i>Psychological Science</i> , <b>2007</b> , 18, 788-92	7.9	72
333	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> , <b>2004</b> , 155, 196-203	2.3	72

332	Intermanual transfer in a simple motor task. <i>Cortex</i> , <b>2002</b> , 38, 805-15	3.8	72
331	Brain size and grey matter volume in the healthy human brain. <i>NeuroReport</i> , <b>2002</b> , 13, 2371-4	1.7	72
330	Sexual dimorphism in the parietal substrate associated with visuospatial cognition independent of general intelligence. <i>Journal of Cognitive Neuroscience</i> , <b>2010</b> , 22, 139-55	3.1	70
329	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> , <b>1999</b> , 9, 497-507	7.9	70
328	Bimanual versus unimanual coordination: what makes the difference?. <i>NeuroImage</i> , <b>2004</b> , 22, 1336-50	7.9	69
327	Neurofunctional and behavioral correlates of phonetic and temporal categorization in musically trained and untrained subjects. <i>Cerebral Cortex</i> , <b>2012</b> , 22, 650-8	5.1	68
326	Neural correlates of a 'pessimistic' attitude when anticipating events of unknown emotional valence. <i>NeuroImage</i> , <b>2007</b> , 34, 848-58	7.9	68
325	Reliability and statistical power analysis of cortical and subcortical FreeSurfer metrics in a large sample of healthy elderly. <i>NeuroImage</i> , <b>2015</b> , 108, 95-109	7.9	67
324	Pre-reflective and reflective self-reference: a spatiotemporal EEG analysis. <i>NeuroImage</i> , <b>2008</b> , 42, 437-49	7.9	67
323	Effects of working memory training in young and old adults. <i>Memory and Cognition</i> , <b>2013</b> , 41, 611-24	2.2	66
322	Longitudinal reliability of tract-based spatial statistics in diffusion tensor imaging. <i>Human Brain Mapping</i> , <b>2014</b> , 35, 4544-55	5.9	65
321	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> , <b>2008</b> , 22, 2416-20	5.2	64
320	The encoding of vowels and temporal speech cues in the auditory cortex of professional musicians: an EEG study. <i>Neuropsychologia</i> , <b>2013</b> , 51, 1608-18	3.2	63
319	Virtual milgram: empathic concern or personal distress? Evidence from functional MRI and dispositional measures. <i>Frontiers in Human Neuroscience</i> , <b>2009</b> , 3, 29	3.3	63
318	Brain structure and cognitive ability in healthy aging: a review on longitudinal correlated change. <i>Reviews in the Neurosciences</i> , <b>2019</b> , 31, 1-57	4.7	62
317	Music drives brain plasticity. <i>F1000 Biology Reports</i> , <b>2009</b> , 1, 78		62
316	Top-down and bottom-up modulation of language related areas--an fMRI study. <i>BMC Neuroscience</i> , <b>2003</b> , 4, 13	3.2	62
315	Neural circuits of emotion regulation: a comparison of mindfulness-based and cognitive reappraisal strategies. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , <b>2015</b> , 265, 45-55	5.1	61

314	Evidence of frontotemporal structural hypoconnectivity in social anxiety disorder: A quantitative fiber tractography study. <i>Human Brain Mapping</i> , <b>2013</b> , 34, 437-46	5.9	61
313	Associations between age, motor function, and resting state sensorimotor network connectivity in healthy older adults. <i>NeuroImage</i> , <b>2015</b> , 108, 47-59	7.9	61
312	Increased cortical surface area of the left planum temporale in musicians facilitates the categorization of phonetic and temporal speech sounds. <i>Cortex</i> , <b>2013</b> , 49, 2812-21	3.8	61
311	Segmental processing in the human auditory dorsal stream. <i>Brain Research</i> , <b>2008</b> , 1220, 179-90	3.7	60
310	Limitation of physical performance in a muscle fatiguing handgrip exercise is mediated by thalamo-insular activity. <i>Human Brain Mapping</i> , <b>2011</b> , 32, 2151-60	5.9	59
309	Neurophysiological evidence of impaired musical sound perception in cochlear-implant users. <i>Clinical Neurophysiology</i> , <b>2010</b> , 121, 2070-82	4.3	59
308	Temporal and spatial patterns of cortical activation during assisted lower limb movement. <i>Experimental Brain Research</i> , <b>2010</b> , 203, 181-91	2.3	59
307	Time course of neural activity correlated with colored-hearing synesthesia. <i>Cerebral Cortex</i> , <b>2008</b> , 18, 379-85	5.1	59
306	Electrical brain imaging reveals spatio-temporal dynamics of timbre perception in humans. <i>NeuroImage</i> , <b>2006</b> , 32, 1510-23	7.9	59
305	Training emotion regulation through real-time fMRI neurofeedback of amygdala activity. <i>NeuroImage</i> , <b>2019</b> , 184, 687-696	7.9	59
304	White matter alterations in social anxiety disorder. <i>Journal of Psychiatric Research</i> , <b>2011</b> , 45, 1366-72	5.2	58
303	Parasagittal asymmetries of the corpus callosum. <i>Cerebral Cortex</i> , <b>2006</b> , 16, 346-54	5.1	58
302	Processing demands upon cognitive, linguistic, and articulatory functions promote grey matter plasticity in the adult multilingual brain: Insights from simultaneous interpreters. <i>Cortex</i> , <b>2014</b> , 54, 179-89	3.8	57
301	Age prediction on the basis of brain anatomical measures. <i>Human Brain Mapping</i> , <b>2017</b> , 38, 997-1008	5.9	57
300	Refinement of metre perception--training increases hierarchical metre processing. <i>European Journal of Neuroscience</i> , <b>2010</b> , 32, 1979-85	3.5	57
299	Effects of long-term potentiation in the human visual cortex: a functional magnetic resonance imaging study. <i>NeuroReport</i> , <b>2005</b> , 16, 1977-80	1.7	57
298	Spinal opioid receptor-sensitive muscle afferents contribute to the fatigue-induced increase in intracortical inhibition in healthy humans. <i>Experimental Physiology</i> , <b>2011</b> , 96, 505-17	2.4	56
297	Brain stimulation modulates driving behavior. <i>Behavioral and Brain Functions</i> , <b>2008</b> , 4, 34	4.1	56

296	Enhancing performance in numerical magnitude processing and mental arithmetic using transcranial Direct Current Stimulation (tDCS). <i>Frontiers in Human Neuroscience</i> , <b>2013</b> , 7, 244	3.3	55
295	Masculinity causes speeding in young men. <i>Accident Analysis and Prevention</i> , <b>2008</b> , 40, 840-2	6.1	55
294	The "silent" imprint of musical training. <i>Human Brain Mapping</i> , <b>2016</b> , 37, 536-46	5.9	54
293	Virtual reality and the role of the prefrontal cortex in adults and children. <i>Frontiers in Neuroscience</i> , <b>2009</b> , 3, 52-9	5.1	54
292	Child age and planum temporale asymmetry. <i>Brain and Cognition</i> , <b>1999</b> , 40, 441-52	2.7	53
291	Facial EMG responses to odors in solitude and with an audience. <i>Chemical Senses</i> , <b>1994</b> , 19, 99-111	4.8	53
290	The drive-wise project: driving simulator training increases real driving performance in healthy older drivers. <i>Frontiers in Aging Neuroscience</i> , <b>2014</b> , 6, 85	5.3	51
289	Increased cortical thickness in a frontoparietal network in social anxiety disorder. <i>Human Brain Mapping</i> , <b>2014</b> , 35, 2966-77	5.9	51
288	Evaluation of evoked potentials to dyadic tones after cochlear implantation. <i>Brain</i> , <b>2009</b> , 132, 1967-79	11.2	51
287	Silent and continuous fMRI scanning differentially modulate activation in an auditory language comprehension task. <i>Human Brain Mapping</i> , <b>2008</b> , 29, 46-56	5.9	51
286	Spectro-temporal processing during speech perception involves left posterior auditory cortex. <i>NeuroReport</i> , <b>2005</b> , 16, 1985-9	1.7	51
285	Effect of Aging on ERP Components of Cognitive Control. <i>Frontiers in Aging Neuroscience</i> , <b>2016</b> , 8, 69	5.3	50
284	Normal intrasyllabic anatomical asymmetry in children with developmental language disorder. <i>Neuropsychologia</i> , <b>1998</b> , 36, 849-55	3.2	49
283	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> , <b>1999</b> , 128, 332-42	2.3	49
282	Diminished whole-brain but enhanced peri-sylvian connectivity in absolute pitch musicians. <i>Journal of Cognitive Neuroscience</i> , <b>2012</b> , 24, 1447-61	3.1	48
281	First clinical trial of tomographic neurofeedback in attention-deficit/hyperactivity disorder: evaluation of voluntary cortical control. <i>Clinical Neurophysiology</i> , <b>2012</b> , 123, 1989-2005	4.3	47
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126	A three stage model of awareness: formulation and initial experimental support. <i>NeuroReport</i> , <b>1998</b> , 9, 1787-92	1.7	11
125	Electrophysiological Correlates of Absolute Pitch in a Passive Auditory Oddball Paradigm: a Direct Replication Attempt. <i>ENeuro</i> , <b>2018</b> , 5,	3.9	11
124	Zur deutschen Adaptation der Neuropsychological Assessment Battery (NAB). <i>Zeitschrift für Neuropsychologie = Journal of Neuropsychology</i> , <b>2013</b> , 24, 217-227	0.5	11
123	Brain aging and psychometric intelligence: a longitudinal study. <i>Brain Structure and Function</i> , <b>2020</b> , 225, 519-536	4	11
122	Driving Simulator Training Is Associated with Reduced Inhibitory Workload in Older Drivers. <i>Geriatrics (Switzerland)</i> , <b>2016</b> , 1,	2.2	11
121	Detection of independent functional networks during music listening using electroencephalogram and sLORETA-ICA. <i>NeuroReport</i> , <b>2016</b> , 27, 455-61	1.7	11
120	Functional reorganization of neural networks involved in emotion regulation following trauma therapy for complex trauma disorders. <i>NeuroImage: Clinical</i> , <b>2019</b> , 23, 101807	5.3	10
119	The neural underpinnings of music listening under different attention conditions. <i>NeuroReport</i> , <b>2018</b> , 29, 594-604	1.7	10
118	Negative bias of processing ambiguously cued emotional stimuli. <i>NeuroReport</i> , <b>2010</b> , 21, 601-5	1.7	10
117	Strength of Structural and Functional Frontostriatal Connectivity Predicts Self-Control in the Healthy Elderly. <i>Frontiers in Aging Neuroscience</i> , <b>2016</b> , 8, 307	5.3	10

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111	Inverse relationship between brain size and callosal connectivity. <i>Die Naturwissenschaften</i> , <b>1996</b> , 83, 221	2	9
110	Different facial EMG-reactions of extraverts and introverts to pictures with positive, negative and neutral valence. <i>Personality and Individual Differences</i> , <b>1993</b> , 14, 113-118	3.3	9
109	Hirnforschung: sinnvolle Ergänzung oder Berflüssiges Anhängsel der Psychologie?. <i>Psychologische Rundschau</i> , <b>2010</b> , 61, 191-198	0.6	9
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107	A reevaluation of the electrophysiological correlates of absolute pitch and relative pitch: No evidence for an absolute pitch-specific negativity. <i>International Journal of Psychophysiology</i> , <b>2019</b> , 137, 21-31	2.9	8
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104	Top-down signal transmission and global hyperconnectivity in auditory-visual synesthesia: Evidence from a functional EEG resting-state study. <i>Human Brain Mapping</i> , <b>2018</b> , 39, 522-531	5.9	8
103	Emotion introspection and regulation in depression. <i>Psychiatry Research - Neuroimaging</i> , <b>2018</b> , 277, 7-13	2.9	8
102	The brain of synesthetes. <i>Rendiconti Lincei</i> , <b>2014</b> , 25, 309-316	1.7	8
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94	Wie viel Biologie braucht die Psychologie?. <i>Psychologische Rundschau</i> , <b>2010</b> , 61, 173-174	0.6	8
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88	The spatiotemporal characteristics of elementary audiovisual speech and music processing in musically untrained subjects. <i>International Journal of Psychophysiology</i> , <b>2012</b> , 83, 259-68	2.9	7
87	Virtual environments increase participation of children with cerebral palsy in robot-aided treadmill training <b>2008</b> ,		7
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85	Hemispheric priming affects right-ear advantage in dichotic listening. <i>International Journal of Neuroscience</i> , <b>1994</b> , 74, 71-7	2	7
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80	Differential EMG biofeedback for children with ADHD: a control method for neurofeedback training with a case illustration. <i>Applied Psychophysiology Biofeedback</i> , <b>2013</b> , 38, 109-19	3.4	6
79	Musical expertise affects attention as reflected by auditory-evoked gamma-band activity in human EEG. <i>NeuroReport</i> , <b>2013</b> , 24, 445-50	1.7	6
78	Mechanical perturbation of jaw movements during speech: effects on articulation and phonation. <i>Perceptual and Motor Skills</i> , <b>1995</b> , 80, 1108-12	2.2	6
77	Weak correlations between body height and several brain metrics in healthy elderly subjects. <i>European Journal of Neuroscience</i> , <b>2019</b> , 50, 3578-3589	3.5	5
76	Facial emotion recognition deficits in children with and without attention deficit hyperactivity disorder: a behavioral and neurophysiological approach. <i>NeuroReport</i> , <b>2017</b> , 28, 917-921	1.7	5
75	Timing and stiffness in speech motor control of stuttering and nonstuttering adults. <i>Journal of Fluency Disorders</i> , <b>1997</b> , 22, 309-321	2.3	5
74	The transfer of a timing pattern to the untrained human hand investigated with functional magnetic resonance imaging. <i>Neuroscience Letters</i> , <b>2001</b> , 301, 45-8	3.3	5
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72	Resting-state electroencephalogram in learning-disabled children: power and connectivity analyses. <i>NeuroReport</i> , <b>2019</b> , 30, 95-101	1.7	5
71	Functional Neuroanatomy of Mental Rotation Performance <b>2007</b> , 183-207		5
70	The Influence of Pre-stimulus EEG Activity on Reaction Time During a Verbal Sternberg Task is Related to Musical Expertise. <i>Brain Topography</i> , <b>2016</b> , 29, 67-81	4.3	4
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67	Neurocardiology: the brain-heart connection in Takotsubo syndrome. <i>European Heart Journal</i> , <b>2019</b> , 40, 3062-3063	9.5	4
66	Fast finger extensions are slower in stutterers than in nonstutterers. <i>Perceptual and Motor Skills</i> , <b>1995</b> , 80, 1103-7	2.2	4
65	Do ear advantage scores obtained in a consonant-vowel recall test vary with respect to the required response condition?. <i>Neuropsychologia</i> , <b>1993</b> , 31, 499-501	3.2	4
64	Pain Influences Several Levels of Attention. <i>Zeitschrift Für Neuropsychologie = Journal of Neuropsychology</i> , <b>2005</b> , 16, 235-242	0.5	4
63	Wieviel Neurotist in der neuropsychologischen Diagnostik von Aufmerksamkeit?. <i>Zeitschrift Für Neuropsychologie = Journal of Neuropsychology</i> , <b>2008</b> , 19, 91-95	0.5	4

62	Expertise in Video Gaming and Driving Skills. <i>Zeitschrift Für Neuropsychologie = Journal of Neuropsychology</i> , <b>2011</b> , 22, 279-284	0.5	4
61	From cognition to action <b>2006</b> , 25-38		4
60	Neuropsychologie in der Psychiatrie. <i>Zeitschrift Fur Psychiatrie, Psychologie Und Psychotherapie</i> , <b>2011</b> , 59, 91-93	0.3	4
59	Klinische Kinderneuropsychologie. <i>Zeitschrift Für Neuropsychologie = Journal of Neuropsychology</i> , <b>2011</b> , 22, 73-74	0.5	4
58	Decline Variability of Cortical and Subcortical Regions in Aging: A Longitudinal Study. <i>Frontiers in Human Neuroscience</i> , <b>2020</b> , 14, 363	3.3	4
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55	What is special about the brains of musicians?. <i>NeuroReport</i> , <b>2002</b> , 13, 741-2	1.7	3
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53	Performance of three freely available methods for extracting white matter hyperintensities: FreeSurfer, UBO Detector and BIANCA		3
52	Takotsubo syndrome: How the broken heart deals with negative emotions. <i>NeuroImage: Clinical</i> , <b>2020</b> , 25, 102124	5.3	3
51	Working Memory Training Effects on White Matter Integrity in Young and Older Adults. <i>Frontiers in Human Neuroscience</i> , <b>2021</b> , 15, 605213	3.3	3
50	A neurostructural biomarker of dissociative amnesia: a hippocampal study in dissociative identity disorder. <i>Psychological Medicine</i> , <b>2021</b> , 1-9	6.9	3
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46	The Timing of Neurophysiological Events in Synesthesia <b>2013</b> ,		2
45	Processing of self-initiated speech-sounds is different in musicians. <i>Frontiers in Human Neuroscience</i> , <b>2013</b> , 7, 41	3.3	2

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40	Motor Training-Induced Neuroplasticity. <i>GeroPsych: the Journal of Gerontopsychology and Geriatric Psychiatry</i> , <b>2012</b> , 25, 189-197	1	2
39	Heterogeneity of EEG resting-state brain networks in absolute pitch. <i>International Journal of Psychophysiology</i> , <b>2020</b> , 157, 11-22	2.9	2
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37	Resting-state functional connectivity in patients with a complex PTSD or complex dissociative disorder before and after inpatient trauma treatment. <i>Brain and Behavior</i> , <b>2021</b> , 11, e02200	3.4	2
36	Auditory aversion in absolute pitch possessors. <i>Cortex</i> , <b>2021</b> , 135, 285-297	3.8	2
35	Performance of three freely available methods for extracting white matter hyperintensities: FreeSurfer, UBO Detector, and BIANCA. <i>Human Brain Mapping</i> , <b>2021</b> ,	5.9	2
34	Gibt es eine (Neuro)-Psychologie des Massenmörders?. <i>Zeitschrift für Neuropsychologie = Journal of Neuropsychology</i> , <b>2008</b> , 19, 41-45	0.5	1
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32	Duration of phonation under changing stress conditions in stuttering and non-stuttering adults. <i>Clinical Linguistics and Phonetics</i> , <b>1996</b> , 10, 225-234	1.4	1
31	Clinical correlates and prognostic impact of neurologic disorders in Takotsubo syndrome. <i>Scientific Reports</i> , <b>2021</b> , 11, 23555	4.9	1
30	Neuroanatomy of the Parietal Cortex <b>2007</b> , 135-145		1
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19	Generalizing Longitudinal Age Effects on Brain Structure - A Two-Study Comparison Approach. <i>Frontiers in Human Neuroscience</i> , <b>2021</b> , 15, 635687	3.3	0
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13	P.2.d.013 Differential noradrenergic and serotonergic modulation of the neural correlates of the processing of emotional pictures. <i>European Neuropsychopharmacology</i> , <b>2010</b> , 20, S397-S398	1.2	
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10	Kommentare zu B. Röder und F. Röder: Kompensatorische Plastizität bei blinden Menschen. <i>Zeitschrift für Neuropsychologie = Journal of Neuropsychology</i> , <b>2004</b> , 15, 268-269	0.5	
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8 Die Wirkungen von Computerspielen auf das Fahrverhalten **2015**, 239-254

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| 7 | Jücke, L. & Petermann, F. (Hrsg.). (2010). Wie viel Biologie braucht die Psychologie [Themenheft]. <i>Psychologische Rundschau</i> , 61 (4). <i>Psychologische Rundschau</i> , <b>2011</b> , 62, 121-123   | 0.6 |
| 6 | Kommentar zu dem Fallbericht von Wolfgang Kringler <i>Klinisch-neuropsychologischer Fallbericht: A. T. B.</i> <i>Zeitschrift für Neuropsychologie = Journal of Neuropsychology</i> , <b>2012</b> , 23, 247-249   | 0.5 |
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| 4 | Object-Location Memory Training in Older Adults Leads to Greater Deactivation of the Dorsal Default Mode Network. <i>Frontiers in Human Neuroscience</i> , <b>2021</b> , 15, 623766  | 3.3 |
| 3 | Longitudinal Analysis of Self-Reported Symptoms, Behavioral Measures, and Event-Related Potential Components of a Cued Go/NoGo Task in Adults With Attention-Deficit/Hyperactivity Disorder and Controls.. <i>Frontiers in Human Neuroscience</i> , <b>2022</b> , 16, 767789 | 3.3 |
| 2 | Inverse Relationship Between Brain Size and Callosal Connectivity. <i>Die Naturwissenschaften</i> , <b>1996</b> , 83, 221-221  | 2   |
| 1 | A Longitudinal Resting-state Functional Connectivity Analysis on Trauma Exposure and Post-traumatic Stress Symptoms in Older Individuals. <i>NeuroImage: Clinical</i> , <b>2022</b> , 103052   | 5.3 |