

Martin Lotze

List of Publications by Year in descending order

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Version: 2024-02-01

190
papers

12,667
citations

34105

52
h-index

27406

106
g-index

293
all docs

293
docs citations

293
times ranked

12921
citing authors

#	ARTICLE	IF	CITATIONS
1	Activation of Cortical and Cerebellar Motor Areas during Executed and Imagined Hand Movements: An fMRI Study. <i>Journal of Cognitive Neuroscience</i> , 1999, 11, 491-501.	2.3	858
2	Deficient Fear Conditioning in Psychopathy. <i>Archives of General Psychiatry</i> , 2005, 62, 799.	12.3	625
3	Motor learning elicited by voluntary drive. <i>Brain</i> , 2003, 126, 866-872.	7.6	555
4	Motor imagery. <i>Journal of Physiology (Paris)</i> , 2006, 99, 386-395.	2.1	472
5	Sensorimotor mapping of the human cerebellum: fMRI evidence of somatotopic organization. <i>Human Brain Mapping</i> , 2001, 13, 55-73.	3.6	436
6	Phantom movements and pain An fMRI study in upper limb amputees. <i>Brain</i> , 2001, 124, 2268-2277.	7.6	382
7	fMRI reveals amygdala activation to human faces in social phobics. <i>NeuroReport</i> , 1998, 9, 1223-1226.	1.2	364
8	Does use of a myoelectric prosthesis prevent cortical reorganization and phantom limb pain?. <i>Nature Neuroscience</i> , 1999, 2, 501-502.	14.8	356
9	Brain circuits involved in emotional learning in antisocial behavior and social phobia in humans. <i>Neuroscience Letters</i> , 2002, 328, 233-236.	2.1	356
10	The Role of Multiple Contralesional Motor Areas for Complex Hand Movements after Internal Capsular Lesion. <i>Journal of Neuroscience</i> , 2006, 26, 6096-6102.	3.6	329
11	Regulation of anterior insular cortex activity using real-time fMRI. <i>NeuroImage</i> , 2007, 35, 1238-1246.	4.2	322
12	The musician's brain: functional imaging of amateurs and professionals during performance and imagery. <i>NeuroImage</i> , 2003, 20, 1817-1829.	4.2	318
13	Brain activity underlying emotional valence and arousal: A response-related fMRI study. <i>Human Brain Mapping</i> , 2004, 23, 200-209.	3.6	277
14	fMRI Evaluation of Somatotopic Representation in Human Primary Motor Cortex. <i>NeuroImage</i> , 2000, 11, 473-481.	4.2	232
15	Role of distorted body image in pain. <i>Current Rheumatology Reports</i> , 2007, 9, 488-496.	4.7	209
16	Evidence for a different role of the ventral and dorsal medial prefrontal cortex for social reactive aggression: An interactive fMRI study. <i>NeuroImage</i> , 2007, 34, 470-478.	4.2	191
17	Cross-modal plasticity of the motor cortex while listening to a rehearsed musical piece. <i>European Journal of Neuroscience</i> , 2006, 24, 955-958.	2.6	190
18	The Truth about Lying: Inhibition of the Anterior Prefrontal Cortex Improves Deceptive Behavior. <i>Cerebral Cortex</i> , 2010, 20, 205-213.	2.9	181

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19	Novel findings from 2,838 Adult Brains on Sex Differences in Gray Matter Brain Volume. Scientific Reports, 2019, 9, 1671.	3.3	180
20	The Brain of Opera Singers: Experience-Dependent Changes in Functional Activation. Cerebral Cortex, 2010, 20, 1144-1152.	2.9	159
21	Overt and imagined singing of an Italian aria. NeuroImage, 2007, 36, 889-900.	4.2	148
22	Activation of human language processing brain regions after the presentation of random letter strings demonstrated with event-related functional magnetic resonance imaging. Neuroscience Letters, 1999, 270, 13-16.	2.1	146
23	Primary Somatosensory Cortex Function in Complex Regional Pain Syndrome: A Systematic Review and Meta-Analysis. Journal of Pain, 2013, 14, 1001-1018.	1.4	141
24	Current Smoking and Reduced Gray Matter Volume—a Voxel-Based Morphometry Study. Neuropsychopharmacology, 2014, 39, 2594-2600.	5.4	138
25	Increased dorsolateral prefrontal cortex activation in obese children during observation of food stimuli. International Journal of Obesity, 2010, 34, 94-104.	3.4	135
26	Coordinate-based meta-analysis of experimentally induced and chronic persistent neuropathic pain. NeuroImage, 2011, 58, 1070-1080.	4.2	125
27	Neural correlates of creative writing: An fMRI Study. Human Brain Mapping, 2013, 34, 1088-1101.	3.6	121
28	Differential cerebral activation during observation of expressive gestures and motor acts. Neuropsychologia, 2006, 44, 1787-1795.	1.6	114
29	Chronic Back Pain Is Associated With Decreased Prefrontal and Anterior Insular Gray Matter: Results From a Population-Based Cohort Study. Journal of Pain, 2016, 17, 111-118.	1.4	109
30	Disinhibition of the contralateral motor cortex by low-frequency rTMS. NeuroReport, 2003, 14, 609-612.	1.2	108
31	Brain activation and defensive response mobilization during sustained exposure to phobia-related and other affective pictures in spider phobia. Psychophysiology, 2008, 45, 205-215.	2.4	107
32	Volition and Imagery in Neurorehabilitation. Cognitive and Behavioral Neurology, 2006, 19, 135-140.	0.9	97
33	Exploration of the Neural Correlates of Ticklish Laughter by Functional Magnetic Resonance Imaging. Cerebral Cortex, 2013, 23, 1280-1289.	2.9	97
34	NMDA-receptor antagonist and morphine decrease CRPS-pain and cerebral pain representation. Pain, 2010, 151, 69-76.	4.2	91
35	Segregation of visceral and somatosensory afferents: An fMRI and cytoarchitectonic mapping study. NeuroImage, 2006, 31, 1004-1014.	4.2	90
36	The representation of articulation in the primary sensorimotor cortex. NeuroReport, 2000, 11, 2985-2989.	1.2	88

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37	Cerebral Activation during Anal and Rectal Stimulation. <i>NeuroImage</i> , 2001, 14, 1027-1034.	4.2	85
38	Contralesional Motor Cortex Activation Depends on Ipsilesional Corticospinal Tract Integrity in Well-Recovered Subcortical Stroke Patients. <i>Neurorehabilitation and Neural Repair</i> , 2012, 26, 594-603.	2.9	83
39	Active avoidance and attentive freezing in the face of approaching threat. <i>NeuroImage</i> , 2017, 158, 196-204.	4.2	81
40	Aberrant social and cerebral responding in a competitive reaction time paradigm in criminal psychopaths. <i>NeuroImage</i> , 2010, 49, 3365-3372.	4.2	78
41	Primary Motor Cortex Function in Complex Regional Pain Syndrome: A Systematic Review and Meta-Analysis. <i>Journal of Pain</i> , 2013, 14, 1270-1288.	1.4	76
42	Comparison of representational maps using functional magnetic resonance imaging and transcranial magnetic stimulation. <i>Clinical Neurophysiology</i> , 2003, 114, 306-312.	1.5	74
43	Combination of TMS and fMRI reveals a specific pattern of reorganization in M1 in patients after complete spinal cord injury. <i>Restorative Neurology and Neuroscience</i> , 2006, 24, 97-107.	0.7	74
44	The role of prefrontal cortex in visuo-spatial planning: a repetitive TMS study. <i>Experimental Brain Research</i> , 2006, 171, 411-415.	1.5	73
45	Brain activation during anticipation of interoceptive threat. <i>NeuroImage</i> , 2012, 61, 857-865.	4.2	72
46	Parietal somatosensory association cortex mediates affective blindsight. <i>Nature Neuroscience</i> , 2004, 7, 339-340.	14.8	67
47	Interhemispheric somatosensory differences in chronic pain reflect abnormality of the <i>Healthy</i> side. <i>Human Brain Mapping</i> , 2015, 36, 508-518.	3.6	67
48	Prefrontal function associated with impaired emotion recognition in patients with multiple sclerosis. <i>Behavioural Brain Research</i> , 2009, 205, 280-285.	2.2	65
49	Prolonged Gaseous Hypothermia Prevents the Upregulation of Phagocytosis-Specific Protein Annexin 1 and Causes Low-Amplitude EEG Activity in the Aged Rat Brain after Cerebral Ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 1632-1642.	4.3	59
50	Using motor imagery practice for improving motor performance – A review. <i>Brain and Cognition</i> , 2021, 150, 105705.	1.8	59
51	Daily Rhythm of Temporal Resolution in the Auditory System. <i>Cortex</i> , 1999, 35, 89-100.	2.4	57
52	Alexithymia and brain gray matter volumes in a general population sample. <i>Human Brain Mapping</i> , 2014, 35, 5932-5945.	3.6	57
53	Graded Motor Imagery and the Impact on Pain Processing in a Case of CRPS. <i>Clinical Journal of Pain</i> , 2013, 29, 276-279.	1.9	56
54	Fear-potentiated startle processing in humans: Parallel fMRI and orbicularis EMG assessment during cue conditioning and extinction. <i>International Journal of Psychophysiology</i> , 2015, 98, 535-545.	1.0	56

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55	Transcutaneous auricular vagal nerve stimulation (taVNS) might be a mechanism behind the analgesic effects of auricular acupuncture. <i>Brain Stimulation</i> , 2017, 10, 1042-1044.	1.6	54
56	The <sc>ENIGMA</sc> Stroke Recovery Working Group: Big data neuroimaging to study brain-behavior relationships after stroke. <i>Human Brain Mapping</i> , 2022, 43, 129-148.	3.6	54
57	Reorganization in the primary motor cortex after spinal cord injury - A functional Magnetic Resonance (fMRI) study. <i>Restorative Neurology and Neuroscience</i> , 1999, 14, 183-7.	0.7	53
58	Impact of personality on the cerebral processing of emotional prosody. <i>NeuroImage</i> , 2011, 58, 259-268.	4.2	51
59	Theoretical Considerations for Chronic Pain Rehabilitation. <i>Physical Therapy</i> , 2015, 95, 1316-1320.	2.4	50
60	Reduced Ventrolateral fMRI Response during Observation of Emotional Gestures Related to the Degree of Dopaminergic Impairment in Parkinson Disease. <i>Journal of Cognitive Neuroscience</i> , 2009, 21, 1321-1331.	2.3	48
61	Professional training in creative writing is associated with enhanced fronto-striatal activity in a literary text continuation task. <i>NeuroImage</i> , 2014, 100, 15-23.	4.2	48
62	Comparison of a 32-channel with a 12-channel head coil: Are there relevant improvements for functional imaging?. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 173-183.	3.4	47
63	Voxel-based morphometry in opera singers: Increased gray-matter volume in right somatosensory and auditory cortices. <i>NeuroImage</i> , 2016, 133, 477-483.	4.2	47
64	The functional connectivity between amygdala and extrastriate visual cortex activity during emotional picture processing depends on stimulus novelty. <i>Biological Psychology</i> , 2011, 86, 203-209.	2.2	46
65	Kinesthetic imagery of musical performance. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 280.	2.0	45
66	Brain imaging correlates of recovered swallowing after dysphagic stroke: A fMRI and DWI study. <i>NeuroImage: Clinical</i> , 2016, 12, 1013-1021.	2.7	43
67	Brain activation during spatial updating and attentive tracking of moving targets. <i>Brain and Cognition</i> , 2012, 78, 105-113.	1.8	41
68	Motor imagery training: Kinesthetic imagery strategy and inferior parietal fMRI activation. <i>Human Brain Mapping</i> , 2018, 39, 1805-1813.	3.6	41
69	Encoding and recall of finger sequences in experienced pianists compared with musically naïve controls: A combined behavioral and functional imaging study. <i>NeuroImage</i> , 2013, 64, 379-387.	4.2	39
70	Review on biomarkers in the resting-state networks of chronic pain patients. <i>Brain and Cognition</i> , 2019, 131, 4-9.	1.8	39
71	Task-Dependent Interaction between Parietal and Contralateral Primary Motor Cortex during Explicit versus Implicit Motor Imagery. <i>PLoS ONE</i> , 2012, 7, e37850.	2.5	39
72	Sequential evolution of cortical activity and effective connectivity of swallowing using fMRI. <i>Human Brain Mapping</i> , 2014, 35, 5962-5973.	3.6	38

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73	Functional MRI of cerebral activation during encoding and retrieval of words. , 1999, 8, 157-169.		37
74	Inter-individual differences in heart rate variability are associated with inter-individual differences in mind-reading. Scientific Reports, 2017, 7, 11557.	3.3	36
75	Cortical thickness and resting-state cardiac function across the lifespan: A cross-sectional pooled mega-analysis. Psychophysiology, 2021, 58, e13688.	2.4	33
76	A large, curated, open-source stroke neuroimaging dataset to improve lesion segmentation algorithms. Scientific Data, 2022, 9, .	5.3	33
77	A long-term intensive behavioral treatment study in patients with persistent vegetative state or minimally conscious state. Journal of Rehabilitation Medicine, 2011, 43, 230-236.	1.1	32
78	I Can't Keep Your Face and Voice Out of My Head: Neural Correlates of an Attentional Bias Toward Nonverbal Emotional Cues. Cerebral Cortex, 2014, 24, 1460-1473.	2.9	32
79	MRI brain lesion patterns in patients in anoxia-induced vegetative state. Journal of the Neurological Sciences, 2007, 260, 65-70.	0.6	31
80	The brain's relevance detection network operates independently of stimulus modality. Behavioural Brain Research, 2010, 210, 16-23.	2.2	30
81	Instrument specific brain activation in sensorimotor and auditory representation in musicians. NeuroImage, 2013, 74, 37-44.	4.2	30
82	Successful therapy for temporomandibular pain alters anterior insula and cerebellar representations of occlusion. Cephalalgia, 2013, 33, 1248-1257.	3.9	29
83	Neural correlates of verbal creativity: differences in resting-state functional connectivity associated with expertise in creative writing. Frontiers in Human Neuroscience, 2014, 8, 516.	2.0	29
84	From visual to motor strategies: Training in mental rotation of hands. NeuroImage, 2018, 167, 247-255.	4.2	29
85	Non-effective increase of fMRI-activation for motor performance in elder individuals. Behavioural Brain Research, 2011, 223, 280-286.	2.2	28
86	Automated Detection of Amyloid- β -Related Cortical and Subcortical Signal Changes in a Transgenic Model of Alzheimer's Disease using High-Field MRI. Journal of Alzheimer's Disease, 2011, 23, 221-237.	2.6	28
87	Neuroimaging Patterns Associated with Motor Control in Traumatic Brain Injury. Neurorehabilitation and Neural Repair, 2006, 20, 14-23.	2.9	27
88	Changes in cortical, cerebellar and basal ganglia representation after comprehensive long term unilateral hand motor training. Behavioural Brain Research, 2015, 278, 393-403.	2.2	27
89	Genetic, psychosocial and clinical factors associated with hippocampal volume in the general population. Translational Psychiatry, 2014, 4, e465-e465.	4.8	26
90	They Are Laughing at Me: Cerebral Mediation of Cognitive Biases in Social Anxiety. PLoS ONE, 2014, 9, e99815.	2.5	26

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91	MRI Biomarkers for Hand-Motor Outcome Prediction and Therapy Monitoring following Stroke. <i>Neural Plasticity</i> , 2016, 2016, 1-12.	2.2	25
92	When seeing outweighs feeling: a role for prefrontal cortex in passive control of negative affect in blindsight. <i>Brain</i> , 2009, 132, 3021-3031.	7.6	24
93	Differentiation of cerebral representation of occlusion and swallowing with fMRI. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 304, G847-G854.	3.4	24
94	Structural alterations in white-matter tracts connecting (para-)limbic and prefrontal brain regions in borderline personality disorder. <i>Psychological Medicine</i> , 2015, 45, 3171-3180.	4.5	24
95	Preliminary findings of cerebral responses on transcutaneous vagal nerve stimulation on experimental heat pain. <i>Brain Imaging and Behavior</i> , 2017, 11, 30-37.	2.1	24
96	Structural Alterations in the Corpus Callosum Are Associated with Suicidal Behavior in Women with Borderline Personality Disorder. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 196.	2.0	24
97	Reorganization in the primary motor cortex after spinal cord injury - A functional Magnetic Resonance (fMRI) study. <i>Restorative Neurology and Neuroscience</i> , 1999, 14, 183-187.	0.7	24
98	High-resolution fMRI investigations of the fingertip somatotopy and variability in BA3b and BA1 of the primary somatosensory cortex. <i>Neuroscience</i> , 2016, 339, 667-677.	2.3	22
99	Cognitive Expertise: An ALE Meta-Analysis. <i>Human Brain Mapping</i> , 2016, 37, 262-272.	3.6	22
100	Effects of Combining 2 Weeks of Passive Sensory Stimulation with Active Hand Motor Training in Healthy Adults. <i>PLoS ONE</i> , 2014, 9, e84402.	2.5	22
101	Neurobiological correlates of emotional intelligence in voice and face perception networks. <i>Social Cognitive and Affective Neuroscience</i> , 2018, 13, 233-244.	3.0	20
102	Cerebral plasticity as the basis for upper limb recovery following brain damage. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 99, 49-58.	6.1	20
103	Parcellation of motor cortex-associated regions in the human corpus callosum on the basis of Human Connectome Project data. <i>Brain Structure and Function</i> , 2019, 224, 1447-1455.	2.3	20
104	fMRI-activation during drawing a naturalistic or sketchy portrait. <i>Behavioural Brain Research</i> , 2012, 233, 209-216.	2.2	19
105	The cerebral representation of temporomandibular joint occlusion and its alternation by occlusal splints. <i>Human Brain Mapping</i> , 2012, 33, 2984-2993.	3.6	19
106	Increased ventral premotor cortex recruitment after arm training in an fMRI study with subacute stroke patients. <i>Behavioural Brain Research</i> , 2016, 308, 152-159.	2.2	19
107	Investigations on maladaptive plasticity in the sensorimotor cortex of unilateral upper limb CRPS I patients. <i>Restorative Neurology and Neuroscience</i> , 2019, 37, 143-153.	0.7	19
108	Effect of CBT on Biased Semantic Network in Panic Disorder: A Multicenter fMRI Study Using Semantic Priming. <i>American Journal of Psychiatry</i> , 2020, 177, 254-264.	7.2	19

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109	Graded motor imagery modifies movement pain, cortical excitability and sensorimotor function in complex regional pain syndrome. <i>Brain Communications</i> , 2021, 3, fcab216.	3.3	19
110	The association of health-related quality of life and cerebral gray matter volume in the context of aging: A voxel-based morphometry study with a general population sample. <i>NeuroImage</i> , 2019, 191, 470-480.	4.2	18
111	Insular cortex activity and the evocation of laughter. <i>Journal of Comparative Neurology</i> , 2016, 524, 1608-1615.	1.6	17
112	Arm Ability Training (AAT) Promotes Dexterity Recovery After a Stroke—a Review of Its Design, Clinical Effectiveness, and the Neurobiology of the Actions. <i>Frontiers in Neurology</i> , 2018, 9, 1082.	2.4	17
113	Sex-specific association of poor sleep quality with gray matter volume. <i>Sleep</i> , 2020, 43, .	1.1	17
114	Fronto-parietal involvement in chronic stroke motor performance when corticospinal tract integrity is compromised. <i>NeuroImage: Clinical</i> , 2021, 29, 102558.	2.7	17
115	Daily rhythm of vigilance assessed by temporal resolution of the visual system. <i>Vision Research</i> , 2000, 40, 3467-3473.	1.4	16
116	Functional relevance of ipsilateral motor activation in congenital hemiparesis as tested by fMRI-navigated TMS. <i>Experimental Neurology</i> , 2009, 217, 440-443.	4.1	16
117	Instrumental methods in the diagnostics of locked-in syndrome. <i>Restorative Neurology and Neuroscience</i> , 2013, 31, 25-40.	0.7	16
118	Morphological and behavioral characterization of adult mice deficient for SrGAP3. <i>Cell and Tissue Research</i> , 2016, 366, 1-11.	2.9	16
119	Neural correlates of individual differences in anxiety sensitivity: an fMRI study using semantic priming. <i>Social Cognitive and Affective Neuroscience</i> , 2016, 11, 1245-1254.	3.0	16
120	Impairments in Walking Ability, Dexterity, and Cognitive Function in Multiple Sclerosis Are Associated with Different Regional Cerebellar Gray Matter Loss. <i>Cerebellum</i> , 2017, 16, 945-950.	2.5	16
121	Mechanisms of change: Effects of repetitive exposure to feared stimuli on the brain's fear network. <i>Psychophysiology</i> , 2012, 49, 1319-1329.	2.4	15
122	Comparison of Parameter Threshold Combinations for Diffusion Tensor Tractography in Chronic Stroke Patients and Healthy Subjects. <i>PLoS ONE</i> , 2014, 9, e98211.	2.5	15
123	Neural representation of swallowing is retained with age. A functional neuroimaging study validated by classical and Bayesian inference. <i>Behavioural Brain Research</i> , 2015, 286, 308-317.	2.2	15
124	Verum and sham acupuncture exert distinct cerebral activation in pain processing areas: a crossover fMRI investigation in healthy volunteers. <i>Brain Imaging and Behavior</i> , 2015, 9, 236-244.	2.1	15
125	The role of global and regional gray matter volume decrease in multiple sclerosis. <i>Journal of Neurology</i> , 2016, 263, 1137-1145.	3.6	15
126	Symmetry of fMRI activation in the primary sensorimotor cortex during unilateral chewing. <i>Clinical Oral Investigations</i> , 2017, 21, 967-973.	3.0	15

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127	Enhancement of motor learning by focal intermittent theta burst stimulation (iTBS) of either the primary motor (M1) or somatosensory area (S1) in healthy human subjects. <i>Restorative Neurology and Neuroscience</i> , 2018, 36, 117-130.	0.7	15
128	Brain imaging of chill reactions to pleasant and unpleasant sounds. <i>Behavioural Brain Research</i> , 2020, 380, 112417.	2.2	15
129	Modifications in fMRI Representation of Mental Rotation Following a 6 Week Graded Motor Imagery Training in Chronic CRPS Patients. <i>Journal of Pain</i> , 2021, 22, 680-691.	1.4	15
130	Modulation of slow cortical potentials by transcranial magnetic stimulation in humans. <i>Neuroscience Letters</i> , 2002, 324, 205-208.	2.1	14
131	Acupuncture reveals no specific effect on primary auditory cortex: a functional magnetic resonance imaging study. <i>NeuroReport</i> , 2009, 20, 116-120.	1.2	14
132	Prolonged motor skill learning – a combined behavioural training and theta burst TMS study. <i>Restorative Neurology and Neuroscience</i> , 2012, 30, 213-224.	0.7	14
133	Connectivity-Based Predictions of Hand Motor Outcome for Patients at the Subacute Stage After Stroke. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 101.	2.0	14
134	Priming Hand Motor Training with Repetitive Stimulation of the Fingertips; Performance Gain and Functional Imaging of Training Effects. <i>Brain Stimulation</i> , 2017, 10, 139-146.	1.6	14
135	Intermittent theta burst stimulation over right somatosensory larynx cortex enhances vocal pitch-regulation in nonsingers. <i>Human Brain Mapping</i> , 2019, 40, 2174-2187.	3.6	14
136	Physically active life style is associated with increased grey matter brain volume in a medial parieto-frontal network. <i>Behavioural Brain Research</i> , 2019, 359, 215-222.	2.2	14
137	Differences in Neuronal Representation of Mental Rotation in Patients With Complex Regional Pain Syndrome and Healthy Controls. <i>Journal of Pain</i> , 2019, 20, 898-907.	1.4	14
138	Changes in cortical activation in craniomandibular disorders during splint therapy – A single subject fMRI study. <i>Annals of Anatomy</i> , 2012, 194, 212-215.	1.9	13
139	Inhibition of the primary sensorimotor cortex by topical anesthesia of the forearm in patients with complex regional pain syndrome. <i>Pain</i> , 2015, 156, 2556-2561.	4.2	13
140	Voxel-based morphometry in creative writers: Grey matter increase in a prefronto-thalamic-cerebellar network. <i>European Journal of Neuroscience</i> , 2018, 48, 1647-1653.	2.6	13
141	Effects of centric mandibular splint therapy on orofacial pain and cerebral activation patterns. <i>Clinical Oral Investigations</i> , 2020, 24, 2005-2013.	3.0	13
142	Income is associated with hippocampal/amygdala and education with cingulate cortex grey matter volume. <i>Scientific Reports</i> , 2020, 10, 18786.	3.3	13
143	Chapter 34 Effects of repetitive transcranial magnetic stimulation (rTMS) on slow cortical potentials (SCP). <i>Supplements To Clinical Neurophysiology</i> , 2003, 56, 331-337.	2.1	12
144	Contribution of the primary motor cortex to motor imagery. , 2010, , 31-46.		12

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145	Automated analysis protocol for high resolution BOLD-fMRI mapping of the fingertip somatotopy in brodmann area 3b. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, 479-486.	3.4	12
146	SrGAP3 knockout mice display enlarged lateral ventricles and specific cilia disturbances of ependymal cells in the third ventricle. <i>Cell and Tissue Research</i> , 2015, 361, 645-650.	2.9	11
147	SHIP-MR and Radiology: 12 Years of Whole-Body Magnetic Resonance Imaging in a Single Center. <i>Healthcare (Switzerland)</i> , 2022, 10, 33.	2.0	11
148	Usage of the middle finger shapes reorganization of the primary somatosensory cortex in patients with index finger amputation. <i>Restorative Neurology and Neuroscience</i> , 2014, 32, 507-515.	0.7	10
149	Laughter is in the air: involvement of key nodes of the emotional motor system in the anticipation of tickling. <i>Social Cognitive and Affective Neuroscience</i> , 2019, 14, 837-847.	3.0	10
150	Tuned to voices and faces: Cerebral responses linked to social anxiety. <i>NeuroImage</i> , 2019, 197, 450-456.	4.2	10
151	Neural substrates of long-term item and source memory for emotional associates: An fMRI study. <i>Neuropsychologia</i> , 2020, 147, 107561.	1.6	10
152	Tactile acuity of fingertips and hand representation size in human Area 3b and Area 1 of the primary somatosensory cortex. <i>NeuroImage</i> , 2021, 232, 117912.	4.2	10
153	An exploration into the cortical reorganisation of the healthy hand in upper-limb complex regional pain syndrome. <i>Scandinavian Journal of Pain</i> , 2016, 13, 18-24.	1.3	9
154	Effects of inhibitory theta burst TMS to different brain sites involved in visuospatial attention – a combined neuronavigated cTBS and behavioural study. <i>Restorative Neurology and Neuroscience</i> , 2016, 34, 271-285.	0.7	9
155	Changes in Interhemispheric Motor Connectivity Across the Lifespan: A Combined TMS and DTI Study. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 12.	3.4	9
156	Neural Correlates of Attachment Representation in Patients With Borderline Personality Disorder Using a Personalized Functional Magnet Resonance Imaging Task. <i>Frontiers in Human Neuroscience</i> , 2022, 16, 810417.	2.0	9
157	Post-mortem magnetic resonance microscopy (MRM) of the murine brain at 7 Tesla results in a gain of resolution as compared to in vivo MRM. <i>Frontiers in Neuroanatomy</i> , 2014, 8, 47.	1.7	8
158	The neural computation of human prosocial choices in complex motivational states. <i>NeuroImage</i> , 2022, 247, 118827.	4.2	8
159	Chronic Stroke Sensorimotor Impairment Is Related to Smaller Hippocampal Volumes: An ENIGMA Analysis. <i>Journal of the American Heart Association</i> , 2022, 11, e025109.	3.7	8
160	Processing of a simple aversive conditioned stimulus in a divided visual field paradigm: an fMRI study. <i>Experimental Brain Research</i> , 2005, 162, 213-219.	1.5	7
161	Changes in motor cortex excitability for the trained and non-trained hand after long-term unilateral motor training. <i>Neuroscience Letters</i> , 2017, 647, 117-121.	2.1	7
162	Association of decrease in insula fMRI activation with changes in trait anxiety in patients with craniomandibular disorder (CMD). <i>Behavioural Brain Research</i> , 2020, 379, 112327.	2.2	7

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163	The modulating impact of cigarette smoking on brain structure in panic disorder: a voxel-based morphometry study. <i>Social Cognitive and Affective Neuroscience</i> , 2020, 15, 849-859.	3.0	7
164	Smaller spared subcortical nuclei are associated with worse post-stroke sensorimotor outcomes in 28 cohorts worldwide. <i>Brain Communications</i> , 2021, 3, fcab254.	3.3	7
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