Ann-Christine Ehlis

List of Publications by Year
in descending order

189 papers	9,347 citations	38742 50 h-index	53230 85 g-index
196 all docs	196 docs citations	196 times ranked	9289 citing authors

#	Article	IF	Citations
1	Source localization (LORETA) of the error-related-negativity (ERN/Ne) and positivity (Pe). Cognitive Brain Research, 2004, 20, 294-299.	3.0	353
2	Event-related functional near-infrared spectroscopy (fNIRS): Are the measurements reliable?. NeuroImage, 2006, 31, 116-124.	4.2	307
3	Model-based analysis of rapid event-related functional near-infrared spectroscopy (NIRS) data: A parametric validation study. NeuroImage, 2007, 35, 625-634.	4.2	244
4	Application of functional near-infrared spectroscopy in psychiatry. NeuroImage, 2014, 85, 478-488.	4.2	228
5	Consensus paper of the WFSBP Task Force on Biological Markers: Biological Markers in Depression. World Journal of Biological Psychiatry, 2007, 8, 141-174.	2.6	219
6	A neuronal nitric oxide synthase (NOS-I) haplotype associated with schizophrenia modifies prefrontal cortex function. Molecular Psychiatry, 2006, 11, 286-300.	7.9	204
7	Simulation of Near-Infrared Light Absorption Considering Individual Head and Prefrontal Cortex Anatomy: Implications for Optical Neuroimaging. PLoS ONE, 2011, 6, e26377.	2.5	200
8	Consensus on the reporting and experimental design of clinical and cognitive-behavioural neurofeedback studies (CRED-nf checklist). Brain, 2020, 143, 1674-1685.	7.6	188
9	Reduced lateral prefrontal activation in adult patients with attention-deficit/hyperactivity disorder (ADHD) during a working memory task: A functional near-infrared spectroscopy (fNIRS) study. Journal of Psychiatric Research, 2008, 42, 1060-1067.	3.1	179
10	Early stages (P100) of face perception in humans as measured with event-related potentials (ERPs). Journal of Neural Transmission, 2005, 112, 1073-1081.	2.8	175
11	Frontal activation during a verbal-fluency task as measured by near-infrared spectroscopy. Brain Research Bulletin, 2003, 61, 51-56.	3.0	173
12	Altered response control and anterior cingulate function in attention-deficit/hyperactivity disorder boys. Clinical Neurophysiology, 2004, 115, 973-981.	1.5	167
13	Far field potentials from the brain stem after transcutaneous vagus nerve stimulation. Journal of Neural Transmission, 2003, 110, 1437-1443.	2.8	157
14	Functional near-infrared spectroscopy: A long-term reliable tool for measuring brain activity during verbal fluency. NeuroImage, 2008, 43, 147-155.	4.2	156
15	Revise the revised? New dimensions of the neuroanatomical hypothesis of panic disorder. Journal of Neural Transmission, 2013, 120, 3-29.	2.8	147
16	Cerebral oxygenation changes in the prefrontal cortex: Effects of age and gender. Neurobiology of Aging, 2006, 27, 888-894.	3.1	144
17	Influence of Functional Variant of Neuronal Nitric Oxide Synthase on Impulsive Behaviors in Humans. Archives of General Psychiatry, 2009, 66, 41.	12.3	136
18	Integrating Neurobiological Markers of Depression. Archives of General Psychiatry, 2010, 68, 361.	12.3	130

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19	Multi-channel near-infrared spectroscopy detects specific inferior-frontal activation during incongruent Stroop trials. Biological Psychology, 2005, 69, 315-331.	2.2	122
20	Neural response to reward anticipation is modulated by Gray's impulsivity. NeuroImage, 2009, 46, 1148-1153.	4.2	118
21	The neural dynamics of hierarchical Bayesian causal inference in multisensory perception. Nature Communications, 2019, 10, 1907.	12.8	118
22	Cortical activation during two verbal fluency tasks in schizophrenic patients and healthy controls as assessed by multi-channel near-infrared spectroscopy. Psychiatry Research - Neuroimaging, 2007, 156, 1-13.	1.8	114
23	Allelic Variation of Serotonin Transporter Function Modulates the Brain Electrical Response for Error Processing. Neuropsychopharmacology, 2004, 29, 1506-1511.	5.4	111
24	Biomarkers for attention-deficit/hyperactivity disorder (ADHD). A consensus report of the WFSBP task force on biological markers and the World Federation of ADHD. World Journal of Biological Psychiatry, 2012, 13, 379-400.	2.6	108
25	Source Localization of Early Stages of Face Processing. Brain Topography, 2005, 18, 77-85.	1.8	107
26	Prefrontal activation through task requirements of emotional induction measured with NIRS. Biological Psychology, 2003, 64, 255-263.	2.2	105
27	Eventâ€related functional nearâ€infrared spectroscopy (fNIRS) based on craniocerebral correlations: Reproducibility of activation?. Human Brain Mapping, 2007, 28, 733-741.	3.6	99
28	The other-race effect for face perception: an event-related potential study. Journal of Neural Transmission, 2007, 114, 951-957.	2.8	98
29	Diminished prefrontal brain function in adults with psychopathology in childhood related to attention deficit hyperactivity disorder. Psychiatry Research - Neuroimaging, 2005, 138, 157-169.	1.8	91
30	Enhancement of activity of the primary visual cortex during processing of emotional stimuli as measured with event-related functional near-infrared spectroscopy and event-related potentials. Human Brain Mapping, 2008, 29, 28-35.	3.6	91
31	Variability of (functional) hemodynamics as measured with simultaneous fNIRS and fMRI during intertemporal choice. NeuroImage, 2013, 71, 125-134.	4.2	87
32	DTNBP1 (Dysbindin) Gene Variants Modulate Prefrontal Brain Function in Healthy Individuals. Neuropsychopharmacology, 2006, 31, 2002-2010.	5.4	84
33	Optical topography during a Goâ€"NoGo task assessed with multi-channel near-infrared spectroscopy. Behavioural Brain Research, 2005, 160, 135-140.	2.2	82
34	Far field potentials from brain stem after transcutaneous Vagus nerve stimulation: optimization of stimulation and recording parameters. Journal of Neural Transmission, 2009, 116, 1237-1242.	2.8	78
35	Aging-related cortical reorganization of verbal fluency processing: a functional near-infrared spectroscopy study. Neurobiology of Aging, 2013, 34, 439-450.	3.1	77
36	Near-infrared spectroscopy (NIRS) neurofeedback as a treatment for children with attention deficit hyperactivity disorder (ADHD)Ã¢â‚¬â€a pilot study. Frontiers in Human Neuroscience, 2014, 8, 1038.	2.0	75

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37	Tph2 gene variants modulate response control processes in adult ADHD patients and healthy individuals. Molecular Psychiatry, 2009, 14, 1032-1039.	7.9	74
38	Reduced Prefrontal Oxygenation in Alzheimer Disease During Verbal Fluency Tasks. American Journal of Geriatric Psychiatry, 2008, 16, 125-135.	1.2	70
39	Differential prefrontal and frontotemporal oxygenation patterns during phonemic and semantic verbal fluency. Neuropsychologia, 2012, 50, 1565-1569.	1.6	66
40	The Neural Bases of Tinnitus: Lessons from Deafness and Cochlear Implants. Journal of Neuroscience, 2020, 40, 7190-7202.	3.6	65
41	Prefrontal activation patterns of automatic and regulated approachâ€"avoidance reactions â€" A functional near-infrared spectroscopy (fNIRS) study. Cortex, 2013, 49, 131-142.	2.4	64
42	Diminished prefrontal oxygenation with normal and above-average verbal fluency performance in adult ADHD. Journal of Psychiatric Research, 2008, 43, 98-106.	3.1	61
43	Cortical correlates of auditory sensory gating: A simultaneous near-infrared spectroscopy event-related potential study. Neuroscience, 2009, 159, 1032-1043.	2.3	61
44	Activation during the Trail Making Test measured with functional near-infrared spectroscopy in healthy elderly subjects. NeuroImage, 2014, 85, 583-591.	4.2	60
45	Implicit emotion regulation in the presence of threat: Neural and autonomic correlates. NeuroImage, 2014, 85, 372-379.	4.2	60
46	NIRS-based neurofeedback training in a virtual reality classroom for children with attention-deficit/hyperactivity disorder: study protocol for a randomized controlled trial. Trials, 2017, 18, 41.	1.6	57
47	Prefrontal correlates of approach preferences for alcohol stimuli in alcohol dependence. Addiction Biology, 2014, 19, 497-508.	2.6	56
48	Age effect on far field potentials from the brain stem after transcutaneous vagus nerve stimulation. International Journal of Psychophysiology, 2005, 56, 37-43.	1.0	55
49	Impact of Catechol-O-Methyltransferase on Prefrontal Brain Functioning in Schizophrenia Spectrum Disorders. Neuropsychopharmacology, 2007, 32, 162-170.	5.4	54
50	Reduced prefrontal oxygenation during object and spatial visual working memory in unpolar and bipolar depression. Psychiatry Research - Neuroimaging, 2011, 194, 378-384.	1.8	54
51	Functional brain imaging of walking while talking â€" An fNIRS study. Neuroscience, 2017, 343, 85-93.	2.3	54
52	Neural correlates of the emotional Stroop task in panic disorder patients: AnÂevent-related fMRI study. Journal of Psychiatric Research, 2012, 46, 1627-1634.	3.1	53
53	Inhibitory transcranial magnetic theta burst stimulation attenuates prefrontal cortex oxygenation. Human Brain Mapping, 2013, 34, 150-157.	3.6	53
54	Aberrant functional connectivity in depression as an index of state and trait rumination. Scientific Reports, 2017, 7, 2174.	3.3	53

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55	Cortical excitability in adult patients with attention-deficit/hyperactivity disorder (ADHD). Neuroscience Letters, 2007, 419, 137-141.	2.1	51
56	Near-Infrared Spectroscopy-Based Frontal Lobe Neurofeedback Integrated in Virtual Reality Modulates Brain and Behavior in Highly Impulsive Adults. Frontiers in Human Neuroscience, 2017, 11, 425.	2.0	50
57	Functional Amygdala-Hippocampus Connectivity During Anticipation of Aversive Events is Associated with Gray's Trait â€œSensitivity to Punishmentâ€• Biological Psychiatry, 2010, 68, 459-464.	1.3	49
58	The time course of temporal discrimination: An ERP study. Clinical Neurophysiology, 2010, 121, 43-52.	1.5	49
59	Randomness of resting-state brain oscillations encodes Gray's personality trait. NeuroImage, 2012, 59, 1842-1845.	4.2	49
60	Stress-related dysfunction of the right inferior frontal cortex in high ruminators: An fNIRS study. NeuroImage: Clinical, 2018, 18, 510-517.	2.7	49
61	Watching corresponding gestures facilitates learning with animations by activating human mirror-neurons: An fNIRS study. Learning and Instruction, 2015, 36, 27-37.	3.2	48
62	Near-infrared optical topography to assess activation of the parietal cortex during a visuo-spatial task. Neuropsychologia, 2005, 43, 1713-1720.	1.6	47
63	Neural correlates of performance monitoring in adult patients with attention deficit hyperactivity disorder (ADHD). World Journal of Biological Psychiatry, 2010, 11, 457-464.	2.6	47
64	Altered Parietal Brain Oxygenation in Alzheimer's Disease as Assessed With Near-Infrared Spectroscopy. American Journal of Geriatric Psychiatry, 2010, 18, 433-441.	1.2	47
65	Show me how you walk and I tell you how you feel â€" A functional near-infrared spectroscopy study on emotion perception based on human gait. NeuroImage, 2014, 85, 380-390.	4.2	47
66	Food specific inhibitory control under negative mood in bingeâ€eating disorder: Evidence from a multimethod approach*. International Journal of Eating Disorders, 2018, 51, 112-123.	4.0	47
67	Cortical hemodynamic changes during the Trier Social Stress Test: An fNIRS study. NeuroImage, 2018, 171, 107-115.	4.2	45
68	The neural correlates of mental arithmetic in adolescents: a longitudinal fNIRS study. Behavioral and Brain Functions, 2018, 14, 5.	3.3	45
69	N1 and N2 ERPs reflect the regulation of automatic approach tendencies to positive stimuli. Neuroscience Research, 2013, 75, 239-249.	1.9	44
70	Task-dependent and polarity-specific effects of prefrontal transcranial direct current stimulation on cortical activation during word fluency. NeuroImage, 2016, 140, 134-140.	4.2	41
71	Reduction but no shift in brain activation after arithmetic learning in children: A simultaneous fNIRS-EEG study. Scientific Reports, 2018, 8, 1707.	3.3	41
72	Non-invasive measurement of vagus activity in the brainstem â€" a methodological progress towards earlier diagnosis of dementias?. Journal of Neural Transmission, 2007, 114, 613-619.	2.8	40

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73	Predictors of neurofeedback training outcome: A systematic review. NeuroImage: Clinical, 2020, 27, 102301.	2.7	40
74	Influence of muscle activity on brain oxygenation during verbal fluency assessed with functional near-infrared spectroscopy. Neuroscience, 2010, 171, 434-442.	2.3	39
75	Event-Related Visual versus Blocked Motor Task: Detection of Specific Cortical Activation Patterns with Functional Near-Infrared Spectroscopy. Neuropsychobiology, 2006, 53, 77-82.	1.9	38
76	A functional promoter polymorphism of neuronal nitric oxide synthase moderates prefrontal functioning in schizophrenia. International Journal of Neuropsychopharmacology, 2011, 14, 887-897.	2.1	38
77	Brain activation in frontotemporal and Alzheimerâ€™s dementia: a functional near-infrared spectroscopy study. Alzheimer's Research and Therapy, 2016, 8, 56.	6.2	38
78	State-dependent altered connectivity in late-life depression: aÂfunctional near-infrared spectroscopy study. Neurobiology of Aging, 2016, 39, 57-68.	3.1	38
79	Panic disorder and a possible treatment approach by means of high-frequency rTMS: A case report. World Journal of Biological Psychiatry, 2009, 10, 991-997.	2.6	37
80	Dopamine Transporter (SLC6A3) Genotype Impacts Neurophysiological Correlates of Cognitive Response Control in an Adult Sample of Patients with ADHD. Neuropsychopharmacology, 2010, 35, 2193-2202.	5.4	37
81	Influence of a Latrophilin 3 (LPHN3) risk haplotype on event-related potential measures of cognitive response control in attention-deficit hyperactivity disorder (ADHD). European Neuropsychopharmacology, 2013, 23, 458-468.	0.7	35
82	Beyond the N400: Complementary access to early neural correlates of novel metaphor comprehension using combined electrophysiological and haemodynamic measurements. Cortex, 2014, 53, 45-59.	2.4	35
83	Neurofeedback as a nonpharmacological treatment for adults with attention-deficit/hyperactivity disorder (ADHD): study protocol for a randomized controlled trial. Trials, 2015, 16, 174.	1.6	35
84	Alleged Approach-Avoidance Conflict for Food Stimuli in Binge Eating Disorder. PLoS ONE, 2016, 11, e0152271.	2.5	35
85	Working Memory and Response Inhibition as One Integral Phenotype of Adult ADHD? A Behavioral and Imaging Correlational Investigation. Journal of Attention Disorders, 2013, 17, 470-482.	2.6	34
86	COMT Ã— DRD4 Epistasis Impacts Prefrontal Cortex Function Underlying Response Control. Cerebral Cortex, 2013, 23, 1453-1462.	2.9	34
87	The Temporal Muscle of the Head Can Cause Artifacts in Optical Imaging Studies with Functional Near-Infrared Spectroscopy. Frontiers in Human Neuroscience, 2017, 11, 456.	2.0	34
88	D4 receptor gene variation modulates activation of prefrontal cortex during working memory. European Journal of Neuroscience, 2007, 26, 2713-2718.	2.6	33
89	Altered frontal brain oxygenation in detoxified alcohol dependent patients with unaffected verbal fluency performance. Psychiatry Research - Neuroimaging, 2007, 156, 129-138.	1.8	33
90	The effect of ADHD symptoms on performance monitoring in a non-clinical population. Psychiatry Research, 2009, 169, 144-148.	3.3	32

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91	Forgiveness and cognitive control â€“ Provoking revenge via theta-burst-stimulation of the DLPFC. NeuroImage, 2018, 183, 769-775.	4.2	32
92	Do students learn better when seated close to the teacher? A virtual classroom study considering individual levels of inattention and hyperactivity-impulsivity. Learning and Instruction, 2019, 61, 138-147.	3.2	32
93	Influence of a genetic variant of the neuronal growth associated protein Stathmin 1 on cognitive and affective control processes: An eventâ€related potential study. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2011, 156, 291-302.	1.7	31
94	Does rTMS Alter Neurocognitive Functioning in Patients with Panic Disorder/Agoraphobia? An fNIRS-Based Investigation of Prefrontal Activation during a Cognitive Task and Its Modulation via Sham-Controlled rTMS. BioMed Research International, 2014, 2014, 1-12.	1.9	31
95	Nearâ€Infrared Spectroscopy as a New Tool for Neurofeedback Training: Applications in Psychiatry and Methodological Considerations. Japanese Psychological Research, 2018, 60, 225-241.	1.1	31
96	Neural correlates of spontaneous panic attacks. Journal of Neural Transmission, 2011, 118, 263-269.	2.8	30
97	A novel approach to probabilistic biomarkerâ€based classification using functional nearâ€infrared spectroscopy. Human Brain Mapping, 2013, 34, 1102-1114.	3.6	30
98	Near-Infrared Spectroscopy based Neurofeedback of Prefrontal Cortex Activity: A Proof-of-Concept Study. Frontiers in Human Neuroscience, 2016, 10, 633.	2.0	30
99	Increased arithmetic complexity is associated with domain-general but not domain-specific magnitude processing in children: A simultaneous fNIRS-EEG study. Cognitive, Affective and Behavioral Neuroscience, 2017, 17, 724-736.	2.0	30
100	The neural correlates of arithmetic difficulty depend on mathematical ability: evidence from combined fNIRS and ERP. Brain Structure and Function, 2018, 223, 2561-2574.	2.3	30
101	Neural correlates of performance monitoring in adult patients with attention deficit hyperactivity disorder (ADHD). World Journal of Biological Psychiatry, 2010, 11, 1-8.	2.6	30
102	Brain activation in elderly people with and without dementia: Influences of gender and medication. World Journal of Biological Psychiatry, 2007, 8, 23-29.	2.6	29
103	Neurobiological and clinical effects of fNIRS-controlled rTMS in patients with panic disorder/agoraphobia during cognitive-behavioural therapy. NeuroImage: Clinical, 2017, 16, 668-677.	2.7	29
104	Changes in cortical blood oxygenation during arithmetical tasks measured by near-infrared spectroscopy. Journal of Neural Transmission, 2009, 116, 267-273.	2.8	28
105	Arithmetic tasks in different formats and their influence on behavior and brain oxygenation as assessed with near-infrared spectroscopy (NIRS): a study involving primary and secondary school children. Journal of Neural Transmission, 2009, 116, 1689-1700.	2.8	28
106	Neuropeptide S receptor gene: Fear-specific modulations of prefrontal activation. NeuroImage, 2013, 66, 353-360.	4.2	28
107	Functional near Infrared Spectroscopy in Psychiatry: A Critical Review. Journal of Near Infrared Spectroscopy, 2012, 20, 93-105.	1.5	27
108	Replication of the correlation between natural mood states and working memory-related prefrontal activity measured by near-infrared spectroscopy in a German sample. Frontiers in Human Neuroscience, 2014, 8, 37.	2.0	27

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109	Reliability of the emotional Stroop task: An investigation of patients with panic disorder. Journal of Psychiatric Research, 2012, 46, 1243-1248.	3.1	26
110	The Modulation of Error Processing in the Medial Frontal Cortex by Transcranial Direct Current Stimulation. Neuroscience Journal, 2013, 2013, 1-10.	2.5	25
111	<i><scp>SLC</scp>2A3</i> singleâ€nucleotide polymorphism and duplication influence cognitive processing and populationâ€specific risk for attentionâ€deficit/hyperactivity disorder. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2017, 58, 798-809.	5.2	25
112	Meditation and the brain â€“ Neuronal correlates of mindfulness as assessed with near-infrared spectroscopy. Psychiatry Research - Neuroimaging, 2018, 271, 24-33.	1.8	24
113	Feasibility of NIRS-based neurofeedback training in social anxiety disorder: behavioral and neural correlates. Journal of Neural Transmission, 2019, 126, 1175-1185.	2.8	24
114	Diminished prefrontal cortex activation in patients with binge eating disorder associates with trait impulsivity and improves after impulsivity-focused treatment based on a randomized controlled IMPULS trial. NeuroImage: Clinical, 2021, 30, 102679.	2.7	24
115	Monitoring of Internal and External Error Signals. Journal of Psychophysiology, 2005, 19, 263-269.	0.7	23
116	DTNBP1 (dysbindin) gene variants modulate prefrontal brain function in schizophrenic patients â€“ support for the glutamate hypothesis of schizophrenias. Genes, Brain and Behavior, 2010, 9, 489-497.	2.2	23
117	Math Anxiety in Combination With Low Visuospatial Memory Impairs Math Learning in Children. Frontiers in Psychology, 2019, 10, 89.	2.1	22
118	Prefrontal functional connectivity measured with nearâ€infrared spectroscopy during smoking cue exposure. Addiction Biology, 2017, 22, 513-522.	2.6	21
119	Age and Vascular Burden Determinants of Cortical Hemodynamics Underlying Verbal Fluency. PLoS ONE, 2015, 10, e0138863.	2.5	21
120	EMG biofeedback training in adult attention-deficit/hyperactivity disorder: An active (control) training?. Behavioural Brain Research, 2017, 329, 58-66.	2.2	20
121	Optical Topography with Near-Infrared Spectroscopy During a Verbal-Fluency Task. Journal of Psychophysiology, 2005, 19, 100-105.	0.7	20
122	Evidence of fNIRS-Based Prefrontal Cortex Hypoactivity in Obesity and Binge-Eating Disorder. Brain Sciences, 2021, 11, 19.	2.3	20
123	Haemodynamic and electrophysiological markers of pragmatic language comprehension in schizophrenia. World Journal of Biological Psychiatry, 2015, 16, 398-410.	2.6	19
124	Disrupted prefrontal functional connectivity during post-stress adaption in high ruminators. Scientific Reports, 2018, 8, 15588.	3.3	18
125	Individual Differences in Math Ability Determine Neurocognitive Processing of Arithmetic Complexity: A Combined fNIRS-EEG Study. Frontiers in Human Neuroscience, 2019, 13, 227.	2.0	18
126	Interoceptive awareness in patients with attention-deficit/hyperactivity disorder (ADHD). ADHD Attention Deficit and Hyperactivity Disorders, 2019, 11, 395-401.	1.7	18

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127	Neurophysiological correlates of the attention training technique: A component study. NeuroImage: Clinical, 2018, 19, 1018-1024.	2.7	17
128	Vagus nerve somatosensory evoked potentials in Parkinsonâ€™s disease. Journal of Neurology, 2011, 258, 2276-2277.	3.6	16
129	The impact of task relevance and degree of distraction on stimulus processing. BMC Neuroscience, 2013, 14, 107.	1.9	16
130	Excessive bodybuilding as pathology? A first neurophysiological classification. World Journal of Biological Psychiatry, 2019, 20, 626-636.	2.6	16
131	Functionally disconnected: A look at how study design influences neurofeedback data and mechanisms in attention-deficit/hyperactivity disorder. PLoS ONE, 2018, 13, e0200931.	2.5	15
132	Beneficial effect of atypical antipsychotics on prefrontal brain function in acute psychotic disorders. European Archives of Psychiatry and Clinical Neuroscience, 2005, 255, 299-307.	3.2	14
133	Auricular vagus somatosensory evoked potentials in vascular dementia. Journal of Neural Transmission, 2009, 116, 473-477.	2.8	14
134	Dual Tasking for the Differentiation between Depression and Mild Cognitive Impairment. Frontiers in Aging Neuroscience, 2016, 8, 235.	3.4	14
135	Identification of neurophysiological biotypes in attention deficit hyperactivity disorder. Psychiatry and Clinical Neurosciences, 2018, 72, 836-848.	1.8	14
136	Oscillatory EEG Changes During Arithmetic Learning in Children. Developmental Neuropsychology, 2019, 44, 325-338.	1.4	14
137	Amplitude of low frequency fluctuations (ALFF) of spontaneous and induced rumination in major depression: An fNIRS study. Scientific Reports, 2020, 10, 21520.	3.3	14
138	Performance monitoring and post-error adjustments in adults with attention-deficit/hyperactivity disorder: an EEG analysis. Journal of Psychiatry and Neuroscience, 2018, 43, 396-406.	2.4	14
139	Influence of Different Stimulation Parameters on the Somatosensory Evoked Potentials of the Nervus Vagusâ€"How Varied Stimulation Parameters Affect VSEP. Journal of Clinical Neurophysiology, 2014, 31, 143-148.	1.7	13
140	Emotional Distraction and Bodily Reaction: Modulation of Autonomous Responses by Anodal tDCS to the Prefrontal Cortex. Frontiers in Cellular Neuroscience, 2015, 9, 482.	3.7	13
141	Improvement of Prefrontal Brain Function in Endogenous Psychoses Under Atypical Antipsychotic Treatment. Neuropsychopharmacology, 2007, 32, 1669-1677.	5.4	12
142	Vagus Somatosensory Evoked Potentials Â– A Possibility for Diagnostic Improvement in Patients with Mild Cognitive Impairment. Dementia and Geriatric Cognitive Disorders, 2012, 33, 289-296.	1.5	12
143	Hypofrontality in schizophrenic patients and its relevance for the choice of antipsychotic medication: An event-related potential study. World Journal of Biological Psychiatry, 2012, 13, 188-199.	2.6	12
144	Controlled attention allocation mediates the relation between goal-oriented pursuit and approachâ€“avoidance reactions to negative stimuli. Biological Psychology, 2012, 91, 312-320.	2.2	12

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145	Reducing auditory verbal hallucinations by means of fNIRS neurofeedback â€“ A case study with a paranoid schizophrenic patient. Schizophrenia Research, 2019, 204, 401-403.	2.0	12
146	Effects of cholinesterase inhibitor on brain activation in Alzheimerâ€™s patients measured with functional near-infrared spectroscopy. Psychopharmacology, 2015, 232, 4383-4391.	3.1	11
147	The Positive Brain â€“ Resting State Functional Connectivity in Highly Vital and Flourishing Individuals. Frontiers in Human Neuroscience, 2018, 12, 540.	2.0	11
148	Neuronal correlates of spider phobia in a combined fNIRS-EEG study. Scientific Reports, 2020, 10, 12597.	3.3	11
149	A randomized-controlled neurofeedback trial in adult attention-deficit/hyperactivity disorder. Scientific Reports, 2021, 11, 16873.	3.3	11
150	NIRS in motionÃ¢â‚¬â€•unraveling the neurocognitive underpinnings of embodied numerical cognition. Frontiers in Psychology, 2014, 5, 743.	2.1	10
151	Disinhibited Revenge â€“ An fNIRS Study on Forgiveness and Cognitive Control. Frontiers in Behavioral Neuroscience, 2019, 13, 223.	2.0	10
152	Cortical oxygenation during exposure therapy â€“ in situ fNIRS measurements in arachnophobia. NeuroImage: Clinical, 2020, 26, 102219.	2.7	10
153	Insights from a laboratory and naturalistic investigation on stress, rumination and frontal brain functioning in MDD: An fNIRS study. Neurobiology of Stress, 2021, 15, 100344.	4.0	10
154	Evidence for unaltered brain electrical topography during prefrontal response control in cycloid psychoses. International Journal of Psychophysiology, 2005, 55, 165-178.	1.0	9
155	Quetiapine and flupentixol differentially improve anterior cingulate cortex function in schizophrenia patients: an event-related potential study. International Journal of Neuropsychopharmacology, 2013, 16, 1911-1925.	2.1	9
156	<i>KCNJ6</i> variants modulate rewardâ€•related brain processes and impact executive functions in attentionâ€•deficit/hyperactivity disorder. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2020, 183, 247-257.	1.7	9
157	Neural correlates of mindful emotion regulation in high and low ruminators. Scientific Reports, 2020, 10, 15617.	3.3	9
158	Frontal brain activity in individuals at risk for schizophrenic psychosis and bipolar disorder during the emotional Stroop task â€“ an fNIRS study. NeuroImage: Clinical, 2020, 26, 102232.	2.7	9
159	Comparison of speed versus complexity effects on the hemodynamic response of the trail making test in block designs. Neurophotonics, 2018, 5, 1.	3.3	9
160	Reduced prefrontal response control in patients with schizophrenias: a subgroup analysis. Journal of Neural Transmission, 2005, 112, 969-977.	2.8	8
161	Imaging genetics in adult attention-deficit/hyperactivity disorder (ADHD): a way towards pathophysiological understanding?. Borderline Personality Disorder and Emotion Dysregulation, 2014, 1, 6.	2.6	8
162	The relation of SMI and the VSEP in a risk sample for neurodegenerative disorders. Journal of Neural Transmission, 2015, 122, 1167-1174.	2.8	8

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163	Cue Reactivity Essentials: Event-Related Potentials During Identification of Visual Alcoholic Stimuli in Social Drinkers. Journal of Studies on Alcohol and Drugs, 2018, 79, 137-147.	1.0	8
164	The influence of gestures and visuospatial ability during learning about movements with dynamic visualizations â€“ An fNIRS study. Computers in Human Behavior, 2022, 129, 107151.	8.5	8
165	Altered functioning of the cingulate gyrus in two cases of chromosome 22q11 deletion syndrome. Psychiatry Research - Neuroimaging, 2004, 132, 273-278.	1.8	7
166	Reduced NoGo-anteriorisation during continuous performance test in deletion syndrome 22q11.2. Journal of Psychiatric Research, 2010, 44, 768-774.	3.1	7
167	The neural circuits of number and letter copying: an fNIRS study. Experimental Brain Research, 2018, 236, 1129-1138.	1.5	7
168	Actionâ€Monitoring Alterations as Indicators of Predictive Deficits in Schizophrenia. Topics in Cognitive Science, 2021, 13, 142-163.	1.9	7
169	A Common CDH13 Variant Is Associated with Low Agreeableness and Neural Responses to Working Memory Tasks in ADHD. Genes, 2021, 12, 1356.	2.4	7
170	Electrophysiological evidence of a typical cognitive distortion in bipolar disorder. Cortex, 2015, 66, 103-114.	2.4	6
171	Abnormally reduced frontal cortex activity during Trail-Making-Test in prodromal parkinson's diseaseâ€“a fNIRS study. Neurobiology of Aging, 2021, 105, 148-158.	3.1	6
172	Genetic Variation in <i>MAOA</i> Modulates Prefrontal Cortical Regulation of Approach-Avoidance Reactions. Neuropsychobiology, 2013, 67, 168-180.	1.9	5
173	Training causes activation increase in temporo-parietal and parietal regions in children with mathematical disabilities. Brain Structure and Function, 2022, 227, 1757-1771.	2.3	5
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