

Christoph S Herrmann

List of Publications by Year in descending order

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Version: 2024-02-01

203
papers

20,642
citations

13332

70
h-index

14012

133
g-index

220
all docs

220
docs citations

220
times ranked

15782
citing authors

#	ARTICLE	IF	CITATIONS
1	Discrete sampling in perception via neuronal oscillationsâ€”Evidence from rhythmic, nonâ€invasive brain stimulation. <i>European Journal of Neuroscience</i> , 2022, 55, 3402-3417.	1.2	13
2	tACS phase-specifically biases brightness perception of flickering light. <i>Brain Stimulation</i> , 2022, 15, 244-253.	0.7	9
3	A checklist for assessing the methodological quality of concurrent tES-fMRI studies (ContES) Tj ETQq1 1 0.784314 rgBT /Overlock 10	5.5	21
4	Entrainment and Spike-Timing Dependent Plasticity â€” A Review of Proposed Mechanisms of Transcranial Alternating Current Stimulation. <i>Frontiers in Systems Neuroscience</i> , 2022, 16, 827353.	1.2	33
5	The Influence of the Modulation Index on Frequency-Modulated Steady-State Visual Evoked Potentials. <i>Frontiers in Human Neuroscience</i> , 2022, 16, 859519.	1.0	1
6	Non-invasive brain stimulation and neuroenhancement. <i>Clinical Neurophysiology Practice</i> , 2022, 7, 146-165.	0.6	51
7	Benchmarking the effects of transcranial temporal interference stimulation (tTIS) in humans. <i>Cortex</i> , 2022, 154, 299-310.	1.1	9
8	Characterizing low-frequency artifacts during transcranial temporal interference stimulation (tTIS). <i>NeuroImage Reports</i> , 2022, 2, 100113.	0.5	0
9	Evidence of Neuroplastic Changes after Transcranial Magnetic, Electric, and Deep Brain Stimulation. <i>Brain Sciences</i> , 2022, 12, 929.	1.1	19
10	Transcranial alternating current stimulation (tACS): from basic mechanisms towards first applications in psychiatry. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2021, 271, 135-156.	1.8	101
11	A special issue on oscillatory dynamics: In memorium of Erol BaÅŸar. <i>International Journal of Psychophysiology</i> , 2021, 159, 71-73.	0.5	2
12	Potential targets for the treatment of ADHD using transcranial electrical current stimulation. <i>Progress in Brain Research</i> , 2021, 264, 151-170.	0.9	4
13	Similar EEG Activity Patterns During Experimentally-Induced Auditory Illusions and Veridical Perceptions. <i>Frontiers in Neuroscience</i> , 2021, 15, 602437.	1.4	6
14	A Comparison of Closed Loop vs. Fixed Frequency tACS on Modulating Brain Oscillations and Visual Detection. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 661432.	1.0	16
15	No Evidence for Entrainment: Endogenous Gamma Oscillations and Rhythmic Flicker Responses Coexist in Visual Cortex. <i>Journal of Neuroscience</i> , 2021, 41, 6684-6698.	1.7	35
16	Hearing Impaired Participants Improve More Under Envelope-Transcranial Alternating Current Stimulation When Signal to Noise Ratio Is High. <i>Neuroscience Insights</i> , 2021, 16, 263310552098885.	0.9	3
17	Interindividual variability of electric fields during transcranial temporal interference stimulation (tTIS). <i>Scientific Reports</i> , 2021, 11, 20357.	1.6	21
18	Transcranial alternating current stimulation modulates auditory temporal resolution in elderly people. <i>European Journal of Neuroscience</i> , 2020, 51, 1328-1338.	1.2	6

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19	Decomposing alpha and 1/f brain activities reveals their differential associations with cognitive processing speed. <i>NeuroImage</i> , 2020, 205, 116304.	2.1	140
20	Shift in lateralization during illusory self-motion: <scp>EEG</scp> responses to visual flicker at 10ÂHz and frequency-specific modulation by <scp>tACS</scp>. <i>European Journal of Neuroscience</i> , 2020, 51, 1657-1675.	1.2	16
21	Alpha Power and Functional Connectivity in Cognitive Decline: A Systematic Review and Meta-Analysis. <i>Journal of Alzheimer's Disease</i> , 2020, 78, 1047-1088.	1.2	29
22	Lacking Effects of Envelope Transcranial Alternating Current Stimulation Indicate the Need to Revise Envelope Transcranial Alternating Current Stimulation Methods. <i>Neuroscience Insights</i> , 2020, 15, 263310552093662.	0.9	13
23	Hemisphere-specific, differential effects of lateralized, occipital- versus -parietal tACS on endogenous but not exogenous visual-spatial attention. <i>Scientific Reports</i> , 2020, 10, 12270.	1.6	29
24	Signal-Space Projection Suppresses the tACS Artifact in EEG Recordings. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 536070.	1.0	6
25	The Senses of Agency and Ownership in Patients With Borderline Personality Disorder. <i>Frontiers in Psychiatry</i> , 2020, 11, 474.	1.3	13
26	Phase-specific manipulation of rhythmic brain activity by transcranial alternating current stimulation. <i>Brain Stimulation</i> , 2020, 13, 1254-1262.	0.7	36
27	Individual differences in local functional brain connectivity affect TMS effects on behavior. <i>Scientific Reports</i> , 2020, 10, 10422.	1.6	7
28	Vision modulation, plasticity and restoration using non-invasive brain stimulation - An IFCN-sponsored review. <i>Clinical Neurophysiology</i> , 2020, 131, 887-911.	0.7	48
29	Transcranial Alternating Current Stimulation (tACS) as a Tool to Modulate P300 Amplitude in Attention Deficit Hyperactivity Disorder (ADHD): Preliminary Findings. <i>Brain Topography</i> , 2020, 33, 191-207.	0.8	35
30	Modulation of gamma oscillations as a possible therapeutic tool for neuropsychiatric diseases: A review and perspective. <i>International Journal of Psychophysiology</i> , 2020, 152, 15-25.	0.5	35
31	Recovering Brain Dynamics During Concurrent tACS-M/EEG: An Overview of Analysis Approaches and Their Methodological and Interpretational Pitfalls. <i>Brain Topography</i> , 2019, 32, 1013-1019.	0.8	50
32	Challenges of P300 Modulation Using Transcranial Alternating Current Stimulation (tACS). <i>Frontiers in Psychology</i> , 2019, 10, 476.	1.1	21
33	Integrating electric field modeling and neuroimaging to explain inter-individual variability of tACS effects. <i>Nature Communications</i> , 2019, 10, 5427.	5.8	131
34	Noninvasive Brain Stimulation Techniques Can Modulate Cognitive Processing. <i>Organizational Research Methods</i> , 2019, 22, 116-147.	5.6	19
35	Opposite effects of lateralised transcranial alpha versus gamma stimulation on auditory spatial attention. <i>Brain Stimulation</i> , 2018, 11, 752-758.	0.7	64
36	Targeting alpha-band oscillations in a cortical model with amplitude-modulated high-frequency transcranial electric stimulation. <i>NeuroImage</i> , 2018, 173, 3-12.	2.1	54

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37	Transcranial alternating current stimulation with speech envelopes modulates speech comprehension. <i>NeuroImage</i> , 2018, 172, 766-774.	2.1	85
38	Optimized auditory transcranial alternating current stimulation improves individual auditory temporal resolution. <i>Brain Stimulation</i> , 2018, 11, 118-124.	0.7	40
39	Facilitated Event-Related Power Modulations during Transcranial Alternating Current Stimulation (tACS) Revealed by Concurrent tACS-MEG. <i>ENeuro</i> , 2018, 5, ENEURO.0069-18.2018.	0.9	31
40	Counteracting the Slowdown of Reaction Times in a Vigilance Experiment With 40-Hz Transcranial Alternating Current Stimulation. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2018, 26, 2053-2061.	2.7	20
41	Non-linear transfer characteristics of stimulation and recording hardware account for spurious low-frequency artifacts during amplitude modulated transcranial alternating current stimulation (AM-tACS). <i>NeuroImage</i> , 2018, 179, 134-143.	2.1	39
42	Absence of Alpha-tACS Aftereffects in Darkness Reveals Importance of Taking Derivations of Stimulation Frequency and Individual Alpha Variability Into Account. <i>Frontiers in Psychology</i> , 2018, 9, 984.	1.1	36
43	Non-invasive Brain Stimulation: A Paradigm Shift in Understanding Brain Oscillations. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 211.	1.0	149
44	Effect of Stimulation Waveform on the Non-linear Entrainment of Cortical Alpha Oscillations. <i>Frontiers in Neuroscience</i> , 2018, 12, 376.	1.4	16
45	Temporal Expectation Modulates the Cortical Dynamics of Short-Term Memory. <i>Journal of Neuroscience</i> , 2018, 38, 7428-7439.	1.7	17
46	Guiding transcranial brain stimulation by EEG/MEG to interact with ongoing brain activity and associated functions: A position paper. <i>Clinical Neurophysiology</i> , 2017, 128, 843-857.	0.7	211
47	What Can Transcranial Alternating Current Stimulation Tell Us About Brain Oscillations?. <i>Current Behavioral Neuroscience Reports</i> , 2017, 4, 128-137.	0.6	35
48	Low intensity transcranial electric stimulation: Safety, ethical, legal regulatory and application guidelines. <i>Clinical Neurophysiology</i> , 2017, 128, 1774-1809.	0.7	783
49	Filling the void – enriching the feature space of successful stopping. <i>Human Brain Mapping</i> , 2017, 38, 1333-1346.	1.9	14
50	Faith and oscillations recovered: On analyzing EEG/MEG signals during tACS. <i>NeuroImage</i> , 2017, 147, 960-963.	2.1	84
51	EEG-Neurofeedback as a Tool to Modulate Cognition and Behavior: A Review Tutorial. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 51.	1.0	184
52	Transcranial Alternating Current Stimulation (tACS) Enhances Mental Rotation Performance during and after Stimulation. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 2.	1.0	146
53	Ten Minutes of $\hat{\pm}$ -tACS and Ambient Illumination Independently Modulate EEG $\hat{\pm}$ -Power. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 257.	1.0	33
54	Tradeoff between User Experience and BCI Classification Accuracy with Frequency Modulated Steady-State Visual Evoked Potentials. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 391.	1.0	28

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55	Transcranial Alternating Current and Random Noise Stimulation: Possible Mechanisms. <i>Neural Plasticity</i> , 2016, 2016, 1-12.	1.0	241
56	Modification of Brain Oscillations via Rhythmic Light Stimulation Provides Evidence for Entrainment but Not for Superposition of Event-Related Responses. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 10.	1.0	187
57	Transcranial Alternating Current Stimulation with Sawtooth Waves: Simultaneous Stimulation and EEG Recording. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 135.	1.0	35
58	Sustained Aftereffect of $\hat{\pm}$ -tACS Lasts Up to 70 min after Stimulation. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 245.	1.0	280
59	Flicker Regularity Is Crucial for Entrainment of Alpha Oscillations. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 503.	1.0	42
60	Encephalography Connectivity on Sources in Male Nonsmokers after Nicotine Administration during the Resting State. <i>Neuropsychobiology</i> , 2016, 74, 48-59.	0.9	1
61	Shaping Intrinsic Neural Oscillations with Periodic Stimulation. <i>Journal of Neuroscience</i> , 2016, 36, 5328-5337.	1.7	131
62	EEG Source Reconstruction in Male Nonsmokers after Nicotine Administration during the Resting State. <i>Neuropsychobiology</i> , 2016, 73, 191-200.	0.9	2
63	Eyes wide shut: Transcranial alternating current stimulation drives alpha rhythm in a state dependent manner. <i>Scientific Reports</i> , 2016, 6, 27138.	1.6	123
64	EEG oscillations: From correlation to causality. <i>International Journal of Psychophysiology</i> , 2016, 103, 12-21.	0.5	345
65	A technical guide to tDCS, and related non-invasive brain stimulation tools. <i>Clinical Neurophysiology</i> , 2016, 127, 1031-1048.	0.7	998
66	Different coupling modes mediate cortical cross-frequency interactions. <i>NeuroImage</i> , 2016, 140, 76-82.	2.1	59
67	BOLD signal effects of transcranial alternating current stimulation (tACS) in the alpha range: A concurrent tACSâ€“fMRI study. <i>NeuroImage</i> , 2016, 140, 118-125.	2.1	81
68	The importance of individual frequencies of endogenous brain oscillations for auditory cognition â€“ A short review. <i>Brain Research</i> , 2016, 1640, 243-250.	1.1	21
69	On the possible role of stimulation duration for after-effects of transcranial alternating current stimulation. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 311.	1.8	83
70	Increase in short-term memory capacity induced by down-regulating individual theta frequency via transcranial alternating current stimulation. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 257.	1.0	156
71	Frequency-modulated steady-state visual evoked potentials: A new stimulation method for brainâ€“computer interfaces. <i>Journal of Neuroscience Methods</i> , 2015, 241, 1-9.	1.3	50
72	Association of Concurrent fNIRS and EEG Signatures in Response to Auditory and Visual Stimuli. <i>Brain Topography</i> , 2015, 28, 710-725.	0.8	75

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73	4-Hz Transcranial Alternating Current Stimulation Phase Modulates Hearing. <i>Brain Stimulation</i> , 2015, 8, 777-783.	0.7	98
74	Auditory rhythms entrain visual processes in the human brain: Evidence from evoked oscillations and event-related potentials. <i>NeuroImage</i> , 2015, 111, 267-276.	2.1	60
75	Auditory temporal resolution is linked to resonance frequency of the auditory cortex. <i>International Journal of Psychophysiology</i> , 2015, 98, 1-7.	0.5	44
76	Friends, not foes: Magnetoencephalography as a tool to uncover brain dynamics during transcranial alternating current stimulation. <i>NeuroImage</i> , 2015, 118, 406-413.	2.1	127
77	Individual musical tempo preference correlates with <scp>EEG</scp> beta rhythm. <i>Psychophysiology</i> , 2015, 52, 600-604.	1.2	45
78	Analyzing the Auditory Scene: Neurophysiologic Evidence of a Dissociation Between Detection of Regularity and Detection of Change. <i>Brain Topography</i> , 2015, 28, 411-422.	0.8	16
79	Stimulus-Response Mappings Shape Inhibition Processes: A Combined EEG-fMRI Study of Contextual Stopping. <i>PLoS ONE</i> , 2014, 9, e96159.	1.1	30
80	Self-regulation of frontal-midline theta facilitates memory updating and mental set shifting. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 420.	1.0	76
81	When holding your horses meets the deer in the headlights: time-frequency characteristics of global and selective stopping under conditions of proactive and reactive control. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 994.	1.0	41
82	Selective Modulation of Interhemispheric Functional Connectivity by HD-tACS Shapes Perception. <i>PLoS Biology</i> , 2014, 12, e1002031.	2.6	247
83	Virtually simulated social pressure influences early visual processing more in low compared to high autonomous participants. <i>Psychophysiology</i> , 2014, 51, 124-135.	1.2	11
84	Brainâ€™ computer interfaces for EEG neurofeedback: Peculiarities and solutions. <i>International Journal of Psychophysiology</i> , 2014, 91, 36-45.	0.5	46
85	Antiphase 40ÂHz Oscillatory Current Stimulation Affects Bistable Motion Perception. <i>Brain Topography</i> , 2014, 27, 158-171.	0.8	167
86	Timeâ€™ Frequency Analysis of Event-Related Potentials: A Brief Tutorial. <i>Brain Topography</i> , 2014, 27, 438-450.	0.8	124
87	Entrainment of Brain Oscillations by Transcranial Alternating Current Stimulation. <i>Current Biology</i> , 2014, 24, 333-339.	1.8	683
88	<scp>EEG</scp> delta oscillations index inhibitory control of contextual novelty to both irrelevant distracters and relevant taskâ€™switch cues. <i>Psychophysiology</i> , 2014, 51, 658-672.	1.2	33
89	Functional and effective connectivity of stopping. <i>NeuroImage</i> , 2014, 94, 120-128.	2.1	28
90	Modulation of frontal-midline theta by neurofeedback. <i>Biological Psychology</i> , 2014, 95, 59-69.	1.1	84

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91	Illusory contours: a window onto the neurophysiology of constructing perception. Trends in Cognitive Sciences, 2013, 17, 471-481.	4.0	73
92	Electroencephalography of response inhibition tasks: Functional networks and cognitive contributions. International Journal of Psychophysiology, 2013, 87, 217-233.	0.5	536
93	Proactive and reactive sequential effects on selective attention. Brain and Cognition, 2013, 83, 27-33.	0.8	2
94	Boosting brain functions: Improving executive functions with behavioral training, neurostimulation, and neurofeedback. International Journal of Psychophysiology, 2013, 88, 1-16.	0.5	115
95	EEG reveals an early influence of social conformity on visual processing in group pressure situations. Social Neuroscience, 2013, 8, 75-89.	0.7	31
96	The morphology of midcingulate cortex predicts frontal-midline theta neurofeedback success. Frontiers in Human Neuroscience, 2013, 7, 453.	1.0	47
97	Musical expertise affects attention as reflected by auditory-evoked gamma-band activity in human EEG. NeuroReport, 2013, 24, 445-450.	0.6	8
98	Seeing Things That are Not There: Illusions Reveal How Our Brain Constructs What We See. Frontiers for Young Minds, 2013, 1, .	0.8	0
99	Orchestrating neuronal networks: sustained after-effects of transcranial alternating current stimulation depend upon brain states. Frontiers in Human Neuroscience, 2013, 7, 161.	1.0	368
100	Transcranial alternating current stimulation: a review of the underlying mechanisms and modulation of cognitive processes. Frontiers in Human Neuroscience, 2013, 7, 279.	1.0	596
101	Modulation of EEG oscillations via transcranial alternating current stimulation. Biomedizinische Technik, 2012, 57, .	0.9	1
102	Neurophysiological Studies of Auditory Verbal Hallucinations. Schizophrenia Bulletin, 2012, 38, 715-723.	2.3	78
103	Good vibrations: Oscillatory phase shapes perception. NeuroImage, 2012, 63, 771-778.	2.1	259
104	Methods for Simultaneous EEG-fMRI: An Introductory Review. Journal of Neuroscience, 2012, 32, 6053-6060.	1.7	265
105	Finite-Element Model Predicts Current Density Distribution for Clinical Applications of tDCS and tACS. Frontiers in Psychiatry, 2012, 3, 83.	1.3	205
106	Neurofeedback training of the upper alpha frequency band in EEG improves cognitive performance. NeuroImage, 2011, 54, 1427-1431.	2.1	381
107	Gamma in motion: Pattern reversal elicits stronger gamma-band responses than motion. NeuroImage, 2011, 55, 808-817.	2.1	4
108	Neural synchrony and white matter variations in the human brain – Relation between evoked gamma frequency and corpus callosum morphology. International Journal of Psychophysiology, 2011, 79, 49-54.	0.5	22

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109	Altered evoked gamma-band responses as a neurophysiological marker of schizophrenia?. International Journal of Psychophysiology, 2011, 79, 25-31.	0.5	35
110	EEG gamma-band responses reflect human behavior: An overview. International Journal of Psychophysiology, 2011, 79, 1-2.	0.5	7
111	Non-invasive alternating current stimulation improves vision in optic neuropathy. Restorative Neurology and Neuroscience, 2011, 29, 493-505.	0.4	100
112	Sex differences in cognitive control are associated with midcingulate and callosal morphology. Brain Structure and Function, 2011, 215, 225-235.	1.2	53
113	Excitability changes induced in the human auditory cortex by transcranial direct current stimulation: direct electrophysiological evidence. Experimental Brain Research, 2011, 215, 135-140.	0.7	87
114	Transcranial direct current stimulation of the prefrontal cortex modulates working memory performance: combined behavioural and electrophysiological evidence. BMC Neuroscience, 2011, 12, 2.	0.8	349
115	Auditory Event-Related Response in Visual Cortex Modulates Subsequent Visual Responses in Humans. Journal of Neuroscience, 2011, 31, 7729-7736.	1.7	64
116	ERP effects of change localization, change identification, and change blindness. NeuroReport, 2010, 21, 371-375.	0.6	26
117	Resonance phenomena in the human auditory cortex: individual resonance frequencies of the cerebral cortex determine electrophysiological responses. Experimental Brain Research, 2010, 203, 629-635.	0.7	51
118	Human gamma-band activity: A review on cognitive and behavioral correlates and network models. Neuroscience and Biobehavioral Reviews, 2010, 34, 981-992.	2.9	247
119	Altered evoked gamma-band responses reveal impaired early visual processing in ADHD children. Neuropsychologia, 2010, 48, 1985-1993.	0.7	40
120	Transcranial Alternating Current Stimulation Enhances Individual Alpha Activity in Human EEG. PLoS ONE, 2010, 5, e13766.	1.1	665
121	Electrophysiological Evidence for Different Types of Change Detection and Change Blindness. Journal of Cognitive Neuroscience, 2010, 22, 1852-1869.	1.1	59
122	Inter- and intra-individual covariations of hemodynamic and oscillatory gamma responses in the human cortex. Frontiers in Human Neuroscience, 2009, 3, 8.	1.0	32
123	PyMVPA: a unifying approach to the analysis of neuroscientific data. Frontiers in Neuroinformatics, 2009, 3, 3.	1.3	98
124	Prerequisites for integrating unsupervised and reinforcement learning in a single network of spiking neurons. , 2009, , .		3
125	Impairments of Gestalt perception in the intact hemifield of hemianopic patients are reflected in gamma-band EEG activity. Neuropsychologia, 2009, 47, 556-568.	0.7	42
126	Electrophysiological correlates of semantic processing during encoding of neutral and emotional pictures in patients with ADHD. Neuropsychologia, 2009, 47, 1873-1882.	0.7	17

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127	Spike-timing-dependent plasticity leads to gamma band responses in a neural network. <i>Biological Cybernetics</i> , 2009, 101, 227-240.	0.6	9
128	Pre-attentive Spectro-temporal Feature Processing in the Human Auditory System. <i>Brain Topography</i> , 2009, 22, 97-108.	0.8	27
129	Die Verwendung ereigniskorrelierter Potentiale in der Sprachverarbeitung: Beispiele zu Untersuchungen mit hirngesunden und hirngeschädigten Probanden. <i>Neurophysiologie-Labor</i> , 2009, 31, 36-46.	0.0	1
130	Multi-objective parameter estimation of biologically plausible neural networks in different behavior stages. , 2009, , .		3
131	Early gamma-band responses reflect anticipatory top-down modulation in the auditory cortex. <i>NeuroImage</i> , 2009, 47, 651-658.	2.1	39
132	Cognitive Adequacy in Brain-Like Intelligence. <i>Lecture Notes in Computer Science</i> , 2009, , 314-327.	1.0	3
133	A Biologically Plausible Winner-Takes-All Architecture. <i>Lecture Notes in Computer Science</i> , 2009, , 315-326.	1.0	1
134	Simultaneous EEG and fMRI of the Human Auditory System. , 2009, , 385-399.		0
135	BOLD Response and EEG Gamma Oscillations. , 2009, , 465-483.		0
136	Modes of memory: Early electrophysiological markers of repetition suppression and recognition enhancement predict behavioral performance. <i>Psychophysiology</i> , 2008, 45, 25-35.	1.2	8
137	Anticipation of natural stimuli modulates EEG dynamics: physiology and simulation. <i>Cognitive Neurodynamics</i> , 2008, 2, 89-100.	2.3	13
138	Gamma oscillations in gerbil auditory cortex during a target-discrimination task reflect matches with short-term memory. <i>Brain Research</i> , 2008, 1220, 70-80.	1.1	55
139	Human EEG very high frequency oscillations reflect the number of matches with a template in auditory short-term memory. <i>Brain Research</i> , 2008, 1220, 81-92.	1.1	37
140	Auditory memory: A comparison between humans and starlings. <i>Brain Research</i> , 2008, 1220, 33-46.	1.1	12
141	Enhanced gamma-band activity in ADHD patients lacks correlation with memory performance found in healthy children. <i>Brain Research</i> , 2008, 1235, 117-132.	1.1	57
142	Simultaneous recording of EEG and BOLD responses: A historical perspective. <i>International Journal of Psychophysiology</i> , 2008, 67, 161-168.	0.5	80
143	Sound level dependence of auditory evoked potentials: Simultaneous EEG recording and low-noise fMRI. <i>International Journal of Psychophysiology</i> , 2008, 67, 235-241.	0.5	28
144	Editorial. <i>International Journal of Psychophysiology</i> , 2008, 67, 159-160.	0.5	7

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145	Early correlates of visual awareness in the human brain: Time and place from event-related brain potentials. <i>Journal of Vision</i> , 2008, 8, 21.	0.1	32
146	Time Pressure Modulates Electrophysiological Correlates of Early Visual Processing. <i>PLoS ONE</i> , 2008, 3, e1675.	1.1	15
147	Simulating Evoked Gamma Oscillations of Human EEG in a Network of Spiking Neurons Reveals an Early Mechanism of Memory Matching. <i>AIP Conference Proceedings</i> , 2007, , .	0.3	3
148	DRD4 and DAT1 Polymorphisms Modulate Human Gamma Band Responses. <i>Cerebral Cortex</i> , 2007, 17, 1007-1019.	1.6	105
149	Event-related potential repetition effects at encoding predict memory performance at test. <i>NeuroReport</i> , 2007, 18, 1905-1909.	0.6	7
150	Gamma amplitudes are coupled to theta phase in human EEG during visual perception. <i>International Journal of Psychophysiology</i> , 2007, 64, 24-30.	0.5	193
151	What's that sound? Matches with auditory long-term memory induce gamma activity in human EEG. <i>International Journal of Psychophysiology</i> , 2007, 64, 31-38.	0.5	54
152	The best of both worlds: Phase-reset of human EEG alpha activity and additive power contribute to ERP generation. <i>International Journal of Psychophysiology</i> , 2007, 65, 58-68.	0.5	88
153	Stimulus intensity affects early sensory processing: Sound intensity modulates auditory evoked gamma-band activity in human EEG. <i>International Journal of Psychophysiology</i> , 2007, 65, 152-161.	0.5	62
154	Stimulus intensity affects early sensory processing: Visual contrast modulates evoked gamma-band activity in human EEG. <i>International Journal of Psychophysiology</i> , 2007, 66, 28-36.	0.5	52
155	Analysis of a choice-reaction task yields a new interpretation of Libet's experiments. <i>International Journal of Psychophysiology</i> , 2007, 67, 151-7.	0.5	23
156	Prestimulus EEG alpha activity reflects prestimulus top-down processing. <i>Neuroscience Letters</i> , 2007, 422, 131-135.	1.0	64
157	Evoked $\hat{\Gamma}^3$ oscillations in human scalp EEG are testâ€™retest reliable. <i>Clinical Neurophysiology</i> , 2007, 118, 221-227.	0.7	49
158	Early electrophysiological markers of visual awareness in the human brain. <i>NeuroImage</i> , 2007, 37, 1329-1337.	2.1	14
159	Prestimulus oscillations predict visual perception performance between and within subjects. <i>NeuroImage</i> , 2007, 37, 1465-1473.	2.1	613
160	From perception to action: phase-locked gamma oscillations correlate with reaction times in a speeded response task. <i>BMC Neuroscience</i> , 2007, 8, 27.	0.8	36
161	EEG oscillations in the gamma and alpha range respond differently to spatial frequency. <i>Vision Research</i> , 2007, 47, 2086-2098.	0.7	42
162	Good times for multisensory integration: Effects of the precision of temporal synchrony as revealed by gamma-band oscillations. <i>Neuropsychologia</i> , 2007, 45, 561-571.	0.7	172

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163	Parallel Factor Analysis as an exploratory tool for wavelet transformed event-related EEG. <i>NeuroImage</i> , 2006, 29, 938-947.	2.1	224
164	Time-frequency analysis of target detection reveals an early interface between bottom-up and top-down processes in the gamma-band. <i>NeuroImage</i> , 2006, 29, 1106-1116.	2.1	67
165	A cross-laboratory study of event-related gamma activity in a standard object recognition paradigm. <i>NeuroImage</i> , 2006, 33, 1169-1177.	2.1	93
166	In search of a program generator to implement generic transformations for high-performance computing. <i>Science of Computer Programming</i> , 2006, 62, 25-46.	1.5	35
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