

# Gabriel Curio

## List of Publications by Year in descending order

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158  
papers

11,783  
citations

47006

47  
h-index

30922

102  
g-index

164  
all docs

164  
docs citations

164  
times ranked

8069  
citing authors

#	ARTICLE	IF	CITATIONS
1	Separating Neural Oscillations from Aperiodic 1/f Activity: Challenges and Recommendations. Neuroinformatics, 2022, 20, 991-1012.	2.8	61
2	Electrophysiological characterization of the hyperdirect pathway and its functional relevance for subthalamic deep brain stimulation. Experimental Neurology, 2022, 352, 114031.	4.1	9
3	Noninvasive neuromagnetic single-trial analysis of human neocortical population spikes. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	12
4	EEG-Based Assessment of Perceived Quality in Complex Natural Images. , 2020, , .		2
5	EEG-Based Assessment of Perceived Realness in Stylized Face Images. , 2020, , .		4
6	Temporal Signatures of Criticality in Human Cortical Excitability as Probed by Early Somatosensory Responses. Journal of Neuroscience, 2020, 40, 6572-6583.	3.6	25
7	Peripheral input and phantom limb pain: A somatosensory event-related potential study. European Journal of Pain, 2020, 24, 1314-1329.	2.8	4
8	Assessing Perceived Image Quality Using Steady-State Visual Evoked Potentials and Spatio-Spectral Decomposition. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 1694-1706.	8.3	25
9	On the Stimulation Frequency in SSVEP-based Image Quality Assessment. , 2018, , .		4
10	Disruption of Boundary Encoding During Sensorimotor Sequence Learning: An MEG Study. Frontiers in Human Neuroscience, 2018, 12, 240.	2.0	0
11	Objective quality assessment of stereoscopic images with vertical disparity using EEG. Journal of Neural Engineering, 2017, 14, 046009.	3.5	24
12	Prediction of seizure outcome improved by fast ripples detected in low-noise intraoperative corticogram. Clinical Neurophysiology, 2017, 128, 1220-1226.	1.5	39
13	Intraoperative subdural low-noise EEG recording of the high frequency oscillation in the somatosensory evoked potential. Clinical Neurophysiology, 2017, 128, 1851-1857.	1.5	21
14	Cingulate and cerebellar beta oscillations are engaged in the acquisition of auditory-motor sequences. Human Brain Mapping, 2017, 38, 5161-5179.	3.6	29
15	26th Annual Computational Neuroscience Meeting (CNS*2017): Part 2. BMC Neuroscience, 2017, 18, .	1.9	7
16	Refractoriness Accounts for Variable Spike Burst Responses in Somatosensory Cortex. ENeuro, 2017, 4, ENEURO.0173-17.2017.	1.9	8
17	The Berlin Brain-Computer Interface: Progress Beyond Communication and Control. Frontiers in Neuroscience, 2016, 10, 530.	2.8	172
18	Unsupervised classification of operator workload from brain signals. Journal of Neural Engineering, 2016, 13, 036008.	3.5	31

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19	Non-invasive single-trial detection of variable population spike responses in human somatosensory evoked potentials. <i>Clinical Neurophysiology</i> , 2016, 127, 1872-1878.	1.5	8
20	Cortical somatosensory evoked high-frequency (600Hz) oscillations predict absence of severe hypoxic encephalopathy after resuscitation. <i>Clinical Neurophysiology</i> , 2016, 127, 2561-2569.	1.5	21
21	Multiscale temporal neural dynamics predict performance in a complex sensorimotor task. <i>NeuroImage</i> , 2016, 141, 291-303.	4.2	25
22	EEG-based usability assessment of 3D shutter glasses. <i>Journal of Neural Engineering</i> , 2016, 13, 016003.	3.5	9
23	Extracting the neural representation of tone onsets for separate voices of ensemble music using multivariate EEG analysis.. <i>Psychomusicology: Music, Mind and Brain</i> , 2015, 25, 366-379.	0.3	5
24	Multi-Variate EEG Analysis as a Novel Tool to Examine Brain Responses to Naturalistic Music Stimuli. <i>PLoS ONE</i> , 2015, 10, e0141281.	2.5	28
25	Correlates of a single cortical action potential in the epidural EEG. <i>NeuroImage</i> , 2015, 109, 357-367.	4.2	29
26	EEG-based classification of video quality perception using steady state visual evoked potentials (SSVEPs). <i>Journal of Neural Engineering</i> , 2015, 12, 026012.	3.5	46
27	Power-law dynamics in neuronal and behavioral data introduce spurious correlations. <i>Human Brain Mapping</i> , 2015, 36, 2901-2914.	3.6	20
28	Neurophysiological assessment of perceived image quality using steady-state visual evoked potentials. , 2015, , .		8
29	Non-invasive single-trial EEG detection of evoked human neocortical population spikes. <i>NeuroImage</i> , 2015, 105, 13-20.	4.2	18
30	Recording human cortical population spikes non-invasively – An EEG tutorial. <i>Journal of Neuroscience Methods</i> , 2015, 250, 74-84.	2.5	27
31	The 170ms Response to Faces as Measured by MEG (M170) Is Consistently Altered in Congenital Prosopagnosia. <i>PLoS ONE</i> , 2015, 10, e0137624.	2.5	11
32	ECoG high gamma activity reveals distinct cortical representations of lyrics passages, harmonic and timbre-related changes in a rock song. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 798.	2.0	28
33	Neurally informed assessment of perceived natural texture image quality. , 2014, , .		13
34	Electrophysiology-based detection of emergency braking intention in real-world driving. <i>Journal of Neural Engineering</i> , 2014, 11, 056011.	3.5	105
35	Monochromatic Ultra-Slow (~0.1Hz) Oscillations in the human electroencephalogram and their relation to hemodynamics. <i>NeuroImage</i> , 2014, 97, 71-80.	4.2	52
36	Using Electroencephalography to Measure Perceived Video Quality. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2014, 8, 366-376.	10.8	39

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37	Corticomuscular coherence in acute and chronic stroke. <i>Clinical Neurophysiology</i> , 2014, 125, 1182-1191.	1.5	79
38	Decoding cognitive brain states. , 2013, , .		1
39	It is not all about phase: Amplitude dynamics in corticomuscular interactions. <i>NeuroImage</i> , 2013, 64, 496-504.	4.2	25
40	No somatotopy of sensorimotor alpha-oscillation responses to differential finger stimulation. <i>NeuroImage</i> , 2013, 76, 294-303.	4.2	26
41	Single-trial analysis of the neural correlates of speech quality perception. <i>Journal of Neural Engineering</i> , 2013, 10, 056003.	3.5	36
42	Modulation of cortical neural dynamics during thalamic deep brain stimulation in patients with essential tremor. <i>NeuroReport</i> , 2013, 24, 751-756.	1.2	12
43	Too tired for calling? A physiological measure of fatigue caused by bandwidth limitations. , 2012, , .		27
44	Cross-frequency decomposition: A novel technique for studying interactions between neuronal oscillations with different frequencies. <i>Clinical Neurophysiology</i> , 2012, 123, 1353-1360.	1.5	20
45	Are high-frequency (600Hz) oscillations in human somatosensory evoked potentials due to phase-resetting phenomena?. <i>Clinical Neurophysiology</i> , 2012, 123, 2064-2073.	1.5	16
46	Enhanced performance by a hybrid NIRS&EEG brain computer interface. <i>NeuroImage</i> , 2012, 59, 519-529.	4.2	595
47	Perception of low-quality videos analyzed by means of electroencephalography. , 2012, , .		23
48	Analyzing Speech Quality Perception Using Electroencephalography. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2012, 6, 721-731.	10.8	60
49	Toward a Direct Measure of Video Quality Perception Using EEG. <i>IEEE Transactions on Image Processing</i> , 2012, 21, 2619-2629.	9.8	159
50	A Physiological Approach to Determine Video Quality. , 2011, , .		19
51	High-frequency EEG covaries with spike burst patterns detected in cortical neurons. <i>Journal of Neurophysiology</i> , 2011, 105, 2951-2959.	1.8	41
52	EEG potentials predict upcoming emergency brakings during simulated driving. <i>Journal of Neural Engineering</i> , 2011, 8, 056001.	3.5	167
53	A novel method for reliable and fast extraction of neuronal EEG/MEG oscillations on the basis of spatio-spectral decomposition. <i>NeuroImage</i> , 2011, 55, 1528-1535.	4.2	172
54	Optimal imaging of cortico-muscular coherence through a novel regression technique based on multi-channel EEG and un-rectified EMG. <i>NeuroImage</i> , 2011, 57, 1059-1067.	4.2	43

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55	Event-related desynchronization of sensorimotor EEG rhythms in hemiparetic patients with acute stroke. <i>Neuroscience Letters</i> , 2011, 488, 17-21.	2.1	63
56	Effect of complete stimulus predictability on P3 and N2 components. <i>NeuroReport</i> , 2011, 22, 459-463.	1.2	4
57	Covert movements trigger repetition suppression of electroencephalography in sensorimotor cortex. <i>NeuroReport</i> , 2011, 22, 141-145.	1.2	8
58	Are brain currents detectable by means of low-field NMR? A phantom study. <i>Magnetic Resonance Imaging</i> , 2011, 29, 1365-1373.	1.8	24
59	Visual stimuli evoke rapid activation (120ms) of sensorimotor cortex for overt but not for covert movements. <i>Brain Research</i> , 2011, 1368, 185-195.	2.2	12
60	Revealing the neural response to imperceptible peripheral flicker with machine learning. , 2011, 2011, 3692-5.		10
61	Towards the influence of vibration on evaluation of speech utterances in mobile devices. , 2011, , .		0
62	Non-invasive simultaneous recording of neuronal and vascular signals in subacute ischemic stroke. <i>Biomedizinische Technik</i> , 2011, 56, 85-90.	0.8	10
63	Simultaneous measurements of somatosensory evoked AC and near-DC MEG signals. <i>Biomedizinische Technik</i> , 2011, 56, 91-97.	0.8	6
64	Magnetoencephalography discriminates modality-specific infraslow signals less than 0.1â€‰Hz. <i>NeuroReport</i> , 2010, 21, 196-200.	1.2	14
65	Speed effects of deep brain stimulation for Parkinson's disease. <i>Movement Disorders</i> , 2010, 25, 2762-2768.	3.9	8
66	The Berlin Brainâ€“Computer Interface: Non-Medical Uses of BCI Technology. <i>Frontiers in Neuroscience</i> , 2010, 4, 198.	2.8	277
67	Using ERPs for assessing the (sub) conscious perception of noise. , 2010, 2010, 2690-3.		33
68	On the feasibility of neurocurrent imaging by low-field nuclear magnetic resonance. <i>Applied Physics Letters</i> , 2010, 96, 233701.	3.3	26
69	Role of Neuronal Synchrony in the Generation of Evoked EEG/MEG Responses. <i>Journal of Neurophysiology</i> , 2010, 104, 3557-3567.	1.8	32
70	Neurophysiological predictor of SMR-based BCI performance. <i>NeuroImage</i> , 2010, 51, 1303-1309.	4.2	576
71	Non-zero mean and asymmetry of neuronal oscillations have different implications for evoked responses. <i>Clinical Neurophysiology</i> , 2010, 121, 186-193.	1.5	33
72	Non-zero mean of oscillations as a mechanism for the generation of evoked responses. <i>Clinical Neurophysiology</i> , 2010, 121, 1149-1150.	1.5	4

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73	Miniaturized electroencephalographic scalp electrode for optimal wearing comfort. <i>Clinical Neurophysiology</i> , 2010, 121, 1007-1014.	1.5	37
74	Novel applications of BCI technology: Psychophysiological optimization of working conditions in industry. , 2010, , .		23
75	Differential Infraslow (<math>\leq 0.1\text{ Hz}</math>) Cortical Activations in the Affected and Unaffected Hemispheres From Patients With Subacute Stroke Demonstrated by Noninvasive DC-Magnetoencephalography. <i>Stroke</i> , 2009, 40, 1683-1686.	2.0	14
76	Now You'll Feel It, Now You Won't: EEG Rhythms Predict the Effectiveness of Perceptual Masking. <i>Journal of Cognitive Neuroscience</i> , 2009, 21, 2407-2419.	2.3	85
77	A Generalized Framework for Quantifying the Dynamics of EEG Event-Related Desynchronization. <i>PLoS Computational Biology</i> , 2009, 5, e1000453.	3.2	31
78	Bridging scales: from cortical single-neuron bursting to macroscopic high-frequency EEG. <i>BMC Neuroscience</i> , 2009, 10, .	1.9	0
79	Predicting BCI performance to study BCI illiteracy. <i>BMC Neuroscience</i> , 2009, 10, .	1.9	81
80	Thalamo-cortical processing of near-threshold somatosensory stimuli in humans. <i>European Journal of Neuroscience</i> , 2009, 30, 1815-1822.	2.6	15
81	Ultrahigh-frequency EEG during fMRI: Pushing the limits of imaging-artifact correction. <i>NeuroImage</i> , 2009, 48, 94-108.	4.2	64
82	Detecting Mental States by Machine Learning Techniques: The Berlin Brain-Computer Interface. <i>The Frontiers Collection</i> , 2009, , 113-135.	0.2	5
83	Machine learning for real-time single-trial EEG-analysis: From brain-computer interfacing to mental state monitoring. <i>Journal of Neuroscience Methods</i> , 2008, 167, 82-90.	2.5	413
84	The Berlin Brain-Computer Interface: Accurate performance from first-session in BCI-naive subjects. <i>IEEE Transactions on Biomedical Engineering</i> , 2008, 55, 2452-2462.	4.2	286
85	Quasi-movements: A novel motor-cognitive phenomenon. <i>Neuropsychologia</i> , 2008, 46, 727-742.	1.6	95
86	Extraction of SSVEP signals of a capacitive EEG helmet for Human Machine Interface. , 2008, 2008, 4495-8.		29
87	The Human Thalamus Processes Syntactic and Semantic Language Violations. <i>Neuron</i> , 2008, 59, 695-707.	8.1	132
88	Dynamics of cortical neurovascular coupling analyzed by simultaneous DC-magnetoencephalography and time-resolved near-infrared spectroscopy. <i>NeuroImage</i> , 2008, 39, 979-986.	4.2	52
89	High-frequency (600 Hz) population spikes in human EEG delineate thalamic and cortical fMRI activation sites. <i>NeuroImage</i> , 2008, 42, 483-490.	4.2	40
90	Spatial Attention Related SEP Amplitude Modulations Covary with BOLD Signal in S1-A Simultaneous EEG-fMRI Study. <i>Cerebral Cortex</i> , 2008, 18, 2686-2700.	2.9	118

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91	The Human Thalamus is Crucially Involved in Executive Control Operations. <i>Journal of Cognitive Neuroscience</i> , 2008, 20, 1903-1914.	2.3	34
92	The Berlin Brain-Computer Interface. <i>Lecture Notes in Computer Science</i> , 2008, , 79-101.	1.3	16
93	Recording of focal direct current (DC) changes in the human cerebral cortex using refined non-invasive DC-EEG methodology. <i>Biomedizinische Technik</i> , 2007, 52, 102-105.	0.8	1
94	Human High Frequency Somatosensory Evoked Potential Components Are Refractory to Circadian Modulations of Tonic Alertness. <i>Journal of Clinical Neurophysiology</i> , 2007, 24, 27-30.	1.7	4
95	Combined MEG and EEG methodology for non-invasive recording of infraslow activity in the human cortex. <i>Clinical Neurophysiology</i> , 2007, 118, 2774-2780.	1.5	25
96	MEG/EEG sources of the 170-ms response to faces are co-localized in the fusiform gyrus. <i>NeuroImage</i> , 2007, 35, 1495-1501.	4.2	223
97	Identifying mutual information transfer in the brain with differential-algebraic modeling: Evidence for fast oscillatory coupling between cortical somatosensory areas 3b and 1. <i>NeuroImage</i> , 2007, 37, 130-136.	4.2	28
98	The non-invasive Berlin Brain-Computer Interface: Fast acquisition of effective performance in untrained subjects. <i>NeuroImage</i> , 2007, 37, 539-550.	4.2	790
99	Berlin Brain-Computer Interface- The HCI communication channel for discovery. <i>International Journal of Human Computer Studies</i> , 2007, 65, 460-477.	5.6	56
100	Task-related differential dynamics of EEG alpha- and beta-band synchronization in cortico-basal motor structures. <i>European Journal of Neuroscience</i> , 2007, 25, 1604-1615.	2.6	115
101	A novel mechanism for evoked responses in the human brain. <i>European Journal of Neuroscience</i> , 2007, 25, 3146-3154.	2.6	123
102	The Berlin Brain-Computer Interface (BBCI) - towards a new communication channel for online control in gaming applications. <i>Multimedia Tools and Applications</i> , 2007, 33, 73-90.	3.9	167
103	Tonic neuronal activation during simple and complex finger movements analyzed by DC-magnetoencephalography. <i>Neuroscience Letters</i> , 2006, 394, 42-47.	2.1	9
104	Now you feel it-now you don't: ERP correlates of somatosensory awareness. <i>Psychophysiology</i> , 2006, 43, 31-40.	2.4	128
105	Enhancing the Signal-to-Noise Ratio of ICA-Based Extracted ERPs. <i>IEEE Transactions on Biomedical Engineering</i> , 2006, 53, 601-607.	4.2	71
106	Combined Optimization of Spatial and Temporal Filters for Improving Brain-Computer Interfacing. <i>IEEE Transactions on Biomedical Engineering</i> , 2006, 53, 2274-2281.	4.2	318
107	The Berlin brain-computer interface: EEG-based communication without subject training. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2006, 14, 147-152.	4.9	264
108	Mental chronometry of target detection: human thalamus leads cortex. <i>Brain</i> , 2006, 129, 923-931.	7.6	48

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109	Algorithms for on-line differentiation of neuroelectric activities. , 2006, Suppl, 6525.		0
110	Spatio-Spectral Filters for Improving the Classification of Single Trial EEG. IEEE Transactions on Biomedical Engineering, 2005, 52, 1541-1548.	4.2	519
111	Binary On-line Classification Based on Temporally Integrated Information. , 2005, , 216-223.		1
112	Spatiotemporal correlation of neuronal activity and cerebral blood flow of the motor cortex: Non-invasive measurement of DC-EEG and near-infrared spectroscopy in humans during a motor task. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, S367-S367.	4.3	0
113	Looking for faces: Attention modulates early occipitotemporal object processing. Psychophysiology, 2004, 41, 350-360.	2.4	44
114	Electrophysiological evidence for altered early cerebral somatosensory signal processing in schizophrenia. Psychophysiology, 2004, 41, 361-366.	2.4	22
115	The BCI Competition 2003: Progress and Perspectives in Detection and Discrimination of EEG Single Trials. IEEE Transactions on Biomedical Engineering, 2004, 51, 1044-1051.	4.2	535
116	Brain-Computer Communication and Slow Cortical Potentials. IEEE Transactions on Biomedical Engineering, 2004, 51, 1011-1018.	4.2	110
117	BCI Competition 2003â€”Data Set III: Probabilistic Modeling of Sensorimotor&lt;math>\mu&gt;Rhythms for Classification of Imaginary Hand Movements. IEEE Transactions on Biomedical Engineering, 2004, 51, 1077-1080.	4.2	186
118	Boosting Bit Rates in Noninvasive EEG Single-Trial Classifications by Feature Combination and Multiclass Paradigms. IEEE Transactions on Biomedical Engineering, 2004, 51, 993-1002.	4.2	506
119	Non-invasive magnetic detection of human injury currents. Clinical Neurophysiology, 2004, 115, 1027-1032.	1.5	7
120	Short-term ( $\sim 600$ ms) prediction of perturbation dynamics for 10- and 20-Hz MEG rhythms in human primary sensorimotor hand cortices. NeuroImage, 2004, 22, 387-393.	4.2	10
121	Neurovascular coupling analyzed non-invasively in the human brain. NeuroReport, 2004, 15, 63-66.	1.2	43
122	EEG oscillations at 600 Hz are macroscopic markers for cortical spike bursts. Journal of Physiology, 2003, 550, 529-534.	2.9	128
123	Boosting bit rates and error detection for the classification of fast-paced motor commands based on single-trial EEG analysis. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2003, 11, 127-131.	4.9	178
124	Functional dissociation of a subcortical and cortical component of high-frequency oscillations in human somatosensory evoked potentials by motor interference. Neuroscience Letters, 2003, 350, 97-100.	2.1	35
125	Imperceptible Stimuli and Sensory Processing Impediment. Science, 2003, 299, 1864-1864.	12.6	86
126	The eloquence of silent cortex: analysis of afferent input to deafferented cortex in arm amputees. NeuroReport, 2003, 14, 409-412.	1.2	28



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127	Patterns of Disturbed Impulse Propagation in Multiple Sclerosis Identified by Low and High Frequency Somatosensory Evoked Potential Components. <i>Journal of Clinical Neurophysiology</i> , 2003, 20, 283-290.	1.7	23
128	Event-related fMRI of the somatosensory system using electrical finger stimulation. <i>NeuroReport</i> , 2002, 13, 365-369.	1.2	64
129	Intrathalamic non-propagating generators of high-frequency (1000 Hz) somatosensory evoked potential (SEP) bursts recorded subcortically in man. <i>Clinical Neurophysiology</i> , 2002, 113, 1001-1005.	1.5	41
130	Cardiac artifact subspace identification and elimination in cognitive MEG data using time-delayed decorrelation. <i>IEEE Transactions on Biomedical Engineering</i> , 2002, 49, 345-354.	4.2	45
131	Dissociation of human thalamic and cortical SEP gating as revealed by intrathalamic recordings under muscle relaxation. <i>Brain Research</i> , 2002, 958, 146-151.	2.2	21
132	Single Trial Detection of EEG Error Potentials: A Tool for Increasing BCI Transmission Rates. <i>Lecture Notes in Computer Science</i> , 2002, , 1137-1143.	1.3	27
133	Independent short-term variability of spike-like (600 Hz) and postsynaptic (N20) cerebral SEP components. <i>NeuroReport</i> , 2001, 12, 349-352.	1.2	26
134	Non-invasive single-trial monitoring of human movement-related brain activation based on DC-magnetoencephalography. <i>NeuroReport</i> , 2001, 12, 1689-1692.	1.2	27
135	Reply to ChÃ©ron and Dan. <i>NeuroReport</i> , 2001, 12, A52.	1.2	0
136	Differential gating of slow postsynaptic and high-frequency spike-like components in human somatosensory evoked potentials under isometric motor interference. <i>Brain Research</i> , 2001, 922, 95-103.	2.2	26
137	Perturbative analytical solutions of the magnetic forward problem for realistic volume conductors. <i>Journal of Applied Physics</i> , 2001, 89, 2360-2369.	2.5	20
138	Double-pulse stimulation dissociates intrathalamic and cortical high-frequency (>400 Hz) SEP components in man. <i>NeuroReport</i> , 2000, 11, 1295-1299.	1.2	31
139	Propofol narcosis dissociates human intrathalamic and cortical high-frequency (> 400 Hz) SEP components. <i>NeuroReport</i> , 2000, 11, 2607-2610.	1.2	38
140	Linking 600-Hz â€œSpikelikeâ€•EEG/MEG Wavelets (â€œBurstsâ€•) to Cellular Substrates. <i>Journal of Clinical Neurophysiology</i> , 2000, 17, 377-396.	1.7	168
141	Speaking modifies voice-evoked activity in the human auditory cortex. , 2000, 9, 183-191.		284
142	The influence of lorazepam on somatosensory-evoked fast frequency (600 Hz) activity in MEG. <i>Brain Research</i> , 2000, 874, 10-14.	2.2	55
143	Thalamic and cortical high-frequency (600 Hz) somatosensory-evoked potential (SEP) components are modulated by slight arousal changes in awake subjects. <i>Experimental Brain Research</i> , 2000, 133, 506-513.	1.5	67
144	Hyperventilation-induced human cerebral magnetic fields non-invasively monitored by multichannel â€œdirect currentâ€™ magnetoencephalography. <i>Neuroscience Letters</i> , 2000, 287, 227-230.	2.1	12

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145	Perturbative analytical solutions of the electric forward problem for realistic volume conductors. <i>Journal of Applied Physics</i> , 1999, 86, 2800-2811.	2.5	12
146	Magnetometry of injury currents from human nerve and muscle specimens using Superconducting Quantum Interferences Devices. <i>Neuroscience Letters</i> , 1999, 262, 163-166.	2.1	22
147	Non-invasive long-term recordings of cortical "direct current" (DC) activity in humans using magnetoencephalography. <i>Neuroscience Letters</i> , 1999, 273, 159-162.	2.1	29
148	Multiple generators of 600 Hz wavelets in human SEP unmasked by varying stimulus rates. <i>NeuroReport</i> , 1999, 10, 1625-1629.	1.2	59
149	Spatiotemporal characteristics of human intrathalamic high-frequency (> 400 Hz) SEP components. <i>NeuroReport</i> , 1999, 10, 3627-3631.	1.2	51
150	High-frequency (600 Hz) SEP activities originating in the subcortical and cortical human somatosensory system. <i>Electroencephalography and Clinical Neurophysiology - Evoked Potentials</i> , 1998, 108, 182-189.	2.0	147
151	Differential recruitment of high frequency wavelets (600 Hz) and primary cortical response (N20) in human median nerve somatosensory evoked potentials. <i>Neuroscience Letters</i> , 1998, 256, 101-104.	2.1	37
152	Somatotopic source arrangement of 600 Hz oscillatory magnetic fields at the human primary somatosensory hand cortex. <i>Neuroscience Letters</i> , 1997, 234, 131-134.	2.1	96
153	Localization of evoked neuromagnetic 600 Hz activity in the cerebral somatosensory system. <i>Electroencephalography and Clinical Neurophysiology</i> , 1994, 91, 483-487.	0.3	245
154	Non-invasive neuromagnetic monitoring of nerve and muscle injury currents. <i>Electroencephalography and Clinical Neurophysiology - Evoked Potentials</i> , 1993, 89, 154-160.	2.0	18
155	Plexus-Magnetoneurographie mittels eines Multikanal-Gradiometers. <i>Biomedizinische Technik</i> , 1992, 37, 152-153.	0.8	2
156	NACHWEIS EVOZIRTER SUMMENAKTIONSFELDER (SAF) DES PLEXUS BRACHIALIS MITTELS EINES NEUEN 37-KANAL MAGNETOMETERS. <i>Biomedizinische Technik</i> , 1991, 36, 151-152.	0.8	1
157	Morphological alterations of the degenerated lumbar disc following chemonucleolysis with chymopapain. <i>Journal of Neurosurgery</i> , 1984, 60, 518-522.	1.6	26
158	Intradiscal pressure-volume response: a methodological contribution to chemonucleolysis. <i>Journal of Neurosurgery</i> , 1984, 60, 1029-1032.	1.6	25