

Febo Cincotti

List of Publications by Year in Descending Order

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

203
papers

8,081
citations

56
h-index

85
g-index

220
ext. papers

9,195
ext. citations

3.2
avg, IF

5.25
L-index

#	Paper	IF	Citations
203	Automatic Selection of Control Features for Electroencephalography-Based Brain-Computer Interface Assisted Motor Rehabilitation: The GUIDER Algorithm.. <i>Brain Topography</i> , 2022 , 35, 182	4.3	1
202	Joint Analysis of Eye Blinks and Brain Activity to Investigate Attentional Demand during a Visual Search Task. <i>Brain Sciences</i> , 2021 , 11,	3.4	4
201	SEED-G: Simulated EEG Data Generator for Testing Connectivity Algorithms. <i>Sensors</i> , 2021 , 21,	3.8	5
200	Corticomuscular and Intermuscular Coupling in Simple Hand Movements to Enable a Hybrid Brain-Computer Interface. <i>International Journal of Neural Systems</i> , 2021 , 31, 2150052	6.2	3
199	Beta oscillations during adaptation to inertial and velocity dependent perturbations 2020 ,		1
198	The Promotoer, a brain-computer interface-assisted intervention to promote upper limb functional motor recovery after stroke: a study protocol for a randomized controlled trial to test early and long-term efficacy and to identify determinants of response. <i>BMC Neurology</i> , 2020 , 20, 254	3.1	8
197	Language-Related Brain Potentials in Patients With Disorders of Consciousness: A Follow-up Study to Detect "Covert" Language Disorders. <i>Neurorehabilitation and Neural Repair</i> , 2019 , 33, 513-522	4.7	9
196	Influences of the biofeedback content on robotic post-stroke gait rehabilitation: electromyographic vs joint torque biofeedback. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2019 , 16, 95	5.3	18
195	An All-in-One BCI-Supported Motor Imagery Training Station: Validation in a Real Clinical Setting with Chronic Stroke Patients. <i>Biosystems and Biorobotics</i> , 2019 , 883-887	0.2	
194	Bipolar Filters Improve Usability of Brain-Computer Interface Technology in Post-stroke Motor Rehabilitation. <i>Biosystems and Biorobotics</i> , 2019 , 911-914	0.2	1
193	Adaptive learning in the detection of Movement Related Cortical Potentials improves usability of associative Brain-Computer Interfaces. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2019 , 2019, 3679-3682	0.9	1
192	An EEG index of sensorimotor interhemispheric coupling after unilateral stroke: clinical and neurophysiological study. <i>European Journal of Neuroscience</i> , 2018 , 47, 158-163	3.5	18
191	On the Relationship Between Attention Processing and P300-Based Brain Computer Interface Control in Amyotrophic Lateral Sclerosis. <i>Frontiers in Human Neuroscience</i> , 2018 , 12, 165	3.3	14
190	Interhemispheric Connectivity Characterizes Cortical Reorganization in Motor-Related Networks After Cerebellar Lesions. <i>Cerebellum</i> , 2017 , 16, 358-375	4.3	15
189	Boosting the traditional physiotherapist approach for stroke spasticity using a sensorized ankle foot orthosis: a pilot study. <i>Topics in Stroke Rehabilitation</i> , 2017 , 24, 447-456	2.6	10
188	Community detection: Comparison among clustering algorithms and application to EEG-based brain networks. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2017 , 2017, 3965-3968	0.9	7
187	Evaluation of cervical posture improvement of children with cerebral palsy after physical therapy based on head movements and serious games. <i>BioMedical Engineering OnLine</i> , 2017 , 16, 74	4.1	15

186	TiD-Introducing and Benchmarking an Event-Delivery System for Brain-Computer Interfaces. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2017 , 25, 2249-2257	4.8	2
185	Transcranial cerebellar direct current stimulation: Effects on brain resting state oscillatory and network activity. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2017 , 4359-4362	0.9	2
184	Interfacing brain with computer to improve communication and rehabilitation after brain damage. <i>Progress in Brain Research</i> , 2016 , 228, 357-87	2.9	21
183	EEG Resting-State Brain Topological Reorganization as a Function of Age. <i>Computational Intelligence and Neuroscience</i> , 2016 , 2016, 6243694	3	15
182	Evaluation of Cervical Posture Improvement of Children with Cerebral Palsy After Physical Therapy with a HCI Based on Head Movements and Serious Videogames. <i>Lecture Notes in Computer Science</i> , 2016 , 495-504	0.9	
181	Interfacing brain and computer in neurorehabilitation 2016 ,		3
180	Assistive device with conventional, alternative, and brain-computer interface inputs to enhance interaction with the environment for people with amyotrophic lateral sclerosis: a feasibility and usability study. <i>Archives of Physical Medicine and Rehabilitation</i> , 2015 , 96, S46-53	2.8	33
179	Hybrid P300-based brain-computer interface to improve usability for people with severe motor disability: electromyographic signals for error correction during a spelling task. <i>Archives of Physical Medicine and Rehabilitation</i> , 2015 , 96, S54-61	2.8	41
178	Proof of principle of a brain-computer interface approach to support poststroke arm rehabilitation in hospitalized patients: design, acceptability, and usability. <i>Archives of Physical Medicine and Rehabilitation</i> , 2015 , 96, S71-8	2.8	68
177	Developing brain-computer interfaces from a user-centered perspective: Assessing the needs of persons with amyotrophic lateral sclerosis, caregivers, and professionals. <i>Applied Ergonomics</i> , 2015 , 50, 139-46	4.2	30
176	. <i>Proceedings of the IEEE</i> , 2015 , 103, 926-943	14.3	98
175	Brain-computer interface boosts motor imagery practice during stroke recovery. <i>Annals of Neurology</i> , 2015 , 77, 851-65	9.4	306
174	P300 latency Jitter occurrence in patients with disorders of consciousness: Toward a better design for Brain Computer Interface applications. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 6178-81	0.9	5
173	Effect of inter-trials variability on the estimation of cortical connectivity by Partial Directed Coherence. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 3791-4	0.9	1
172	Influence of P300 latency jitter on event related potential-based brain-computer interface performance. <i>Journal of Neural Engineering</i> , 2014 , 11, 035008	5	38
171	Self-calibration algorithm in an asynchronous P300-based brain-computer interface. <i>Journal of Neural Engineering</i> , 2014 , 11, 035004	5	17
170	Investigating the effects of a sensorimotor rhythm-based BCI training on the cortical activity elicited by mental imagery. <i>Journal of Neural Engineering</i> , 2014 , 11, 035010	5	19
169	Individual cortical connectivity changes after stroke: a resampling approach to enable statistical assessment at single-subject level. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 2705-8	0.9	1

168	Investigating statistical differences in connectivity patterns properties at single subject level: a new resampling approach. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2014, 2014, 6257-62</i>	0.9	2
167	A new descriptor of neuroelectrical activity during BCI-assisted motor imagery-based training in stroke patients. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2014, 2014, 6786-9</i>	0.9	2
166	Time varying effective connectivity for describing brain network changes induced by a memory rehabilitation treatment. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2014, 2014, 6786-9</i>	0.9	14
165	Towards a multimodal bioelectrical framework for the online mental workload evaluation. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2014, 2014, 3001-4</i>	0.9	23
164	BNCI Horizon 2020 \square Towards a Roadmap for Brain/Neural Computer Interaction. <i>Lecture Notes in Computer Science, 2014, 475-486</i>	0.9	12
163	An EMG Pattern Comparison of Exoskeleton vs. End-Effector Robotic Device for Assisted Walking Training. <i>Biosystems and Biorobotics, 2014, 563-567</i>	0.2	3
162	Aged-related changes in brain activity classification with respect to age by means of graph indexes. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2013, 2013, 4350-3</i>	0.9	4
161	A new statistical approach for the extraction of adjacency matrix from effective connectivity networks. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2013, 2013, 2932-5</i>	0.9	2
160	Multiscale topological properties of functional brain networks during motor imagery after stroke. <i>NeuroImage, 2013, 83, 438-49</i>	7.9	55
159	Asynchronous gaze-independent event-related potential-based brain-computer interface. <i>Artificial Intelligence in Medicine, 2013, 59, 61-9</i>	7.4	26
158	Frontal EEG theta changes assess the training improvements of novices in flight simulation tasks. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2013, 2013, 6619-22</i>	0.9	33
157	The effect of normalization of Partial Directed Coherence on the statistical assessment of connectivity patterns: a simulation study. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2013, 2013, 4314-8</i>	0.9	1
156	On ERPs detection in disorders of consciousness rehabilitation. <i>Frontiers in Human Neuroscience, 2013, 7, 775</i>	3.3	62
155	Attention and P300-based BCI performance in people with amyotrophic lateral sclerosis. <i>Frontiers in Human Neuroscience, 2013, 7, 732</i>	3.3	80
154	Hybrid Brain-Computer Interaction for Functional Motor Recovery after Stroke. <i>Biosystems and Biorobotics, 2013, 1275-1279</i>	0.2	2
153	Randomized Controlled Trial to Evaluate a BCI-Supported Task-Specific Training for Hand Motor Recovery after Stroke. <i>Biosystems and Biorobotics, 2013, 501-505</i>	0.2	3
152	Understanding Cerebral Activations during the Observation of Marketing Stimuli: A Neuroelectrical Perspective. <i>Communications in Computer and Information Science, 2013, 273-281</i>	0.3	
151	My-World-in-My-Tablet: An Architecture for People with Physical Impairment. <i>Lecture Notes in Computer Science, 2013, 637-647</i>	0.9	1

150	Evaluation of the performances of different P300 based brain-computer interfaces by means of the efficiency metric. <i>Journal of Neuroscience Methods</i> , 2012 , 203, 361-8	3	13
149	EEG-based Brain-Computer Interface to support post-stroke motor rehabilitation of the upper limb. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2012 , 2012, 4112-5	0.9	55
148	A comparison of classification techniques for a gaze-independent P300-based brain-computer interface. <i>Journal of Neural Engineering</i> , 2012 , 9, 045012	5	27
147	A covert attention P300-based brain-computer interface: Geospell. <i>Ergonomics</i> , 2012 , 55, 538-51	2.9	56
146	Eye-gaze independent EEG-based brain-computer interfaces for communication. <i>Journal of Neural Engineering</i> , 2012 , 9, 045001	5	95
145	REDUNDANCY IN FUNCTIONAL BRAIN CONNECTIVITY FROM EEG RECORDINGS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012 , 22, 1250158	2	7
144	Cortical activity and functional hyperconnectivity by simultaneous EEG recordings from interacting couples of professional pilots. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2012 , 2012, 4752-5	0.9	25
143	Community structure in large-scale cortical networks during motor acts. <i>Chaos, Solitons and Fractals</i> , 2012 , 45, 603-610	9.3	8
142	How the statistical validation of functional connectivity patterns can prevent erroneous definition of small-world properties of a brain connectivity network. <i>Computational and Mathematical Methods in Medicine</i> , 2012 , 2012, 130985	2.8	46
141	Control or no-control? Reducing the gap between brain-computer interface and classical input devices. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2012 , 2012, 1815-8	0.9	2
140	The added value of the electrical neuroimaging for the evaluation of marketing stimuli. <i>Bulletin of the Polish Academy of Sciences: Technical Sciences</i> , 2012 , 60, 419-426		7
139	Describing relevant indices from the resting state electrophysiological networks. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2012 , 2012, 2547-50	0.9	8
138	Smart homes to improve the quality of life for all. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2011 , 2011, 1777-80	0.9	8
137	P300-based brain-computer interface for environmental control: an asynchronous approach. <i>Journal of Neural Engineering</i> , 2011 , 8, 025025	5	74
136	On the use of EEG or MEG brain imaging tools in neuromarketing research. <i>Computational Intelligence and Neuroscience</i> , 2011 , 2011, 643489	3	92
135	Out of the frying pan into the fire--the P300-based BCI faces real-world challenges. <i>Progress in Brain Research</i> , 2011 , 194, 27-46	2.9	72
134	Multiple pathways analysis of brain functional networks from EEG signals: an application to real data. <i>Brain Topography</i> , 2011 , 23, 344-54	4.3	23
133	Spectral EEG frontal asymmetries correlate with the experienced pleasantness of TV commercial advertisements. <i>Medical and Biological Engineering and Computing</i> , 2011 , 49, 579-83	3.1	139

132	Imaging the Social Brain by Simultaneous Hyperscanning During Subject Interaction. <i>IEEE Intelligent Systems</i> , 2011 , 26, 38-45	4.2	65
131	Workload measurement in a communication application operated through a P300-based brain-computer interface. <i>Journal of Neural Engineering</i> , 2011 , 8, 025028	5	62
130	Multimodal Integration of EEG, MEG, and Functional MRI in the Study Of Human Brain Activity 2011 , 153-167		2
129	Current trends in hardware and software for brain-computer interfaces (BCIs). <i>Journal of Neural Engineering</i> , 2011 , 8, 025001	5	75
128	Sensorimotor rhythm-based brain-computer interface training: the impact on motor cortical responsiveness. <i>Journal of Neural Engineering</i> , 2011 , 8, 025020	5	115
127	Study of the functional hyperconnectivity between couples of pilots during flight simulation: an EEG hyperscanning study. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2011, 2011, 2322-11</i>	0.9	23
126	Methods for the EEG hyperscanning. Simultaneous recordings from multiple subjects during social interaction 2011 ,		2
125	Tools for Brain-Computer Interaction: A General Concept for a Hybrid BCI. <i>Frontiers in Neuroinformatics</i> , 2011 , 5, 30	3.9	101
124	Asynchronous P300-based brain-computer interface to control a virtual environment: initial tests on end users. <i>Clinical EEG and Neuroscience</i> , 2011 , 42, 219-24	2.3	63
123	EEG analysis of the brain activity during the observation of commercial, political, or public service announcements. <i>Computational Intelligence and Neuroscience</i> , 2010 , 985867	3	12
122	Large-scale cortical networks estimated from scalp EEG signals during performance of goal-directed motor tasks. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2010, 2010, 1729-11</i>	0.9	1
121	Neuropolitics: EEG spectral maps related to a political vote based on the first impression of the candidate's face. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2010, 2010, 5</i>	0.9	4
120	Advanced brain computer interface for communication and control 2010 ,		8
119	Simultaneous estimation of cortical activity during social interactions by using EEG hyperscannings. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2010, 2010, 2814-7</i>	0.9	15
118	Imaging the social brain: multi-subjects EEG recordings during the "Chicken's game". <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2010, 2010, 1734-7</i>	0.9	19
117	Combining Brain-Computer Interfaces and Assistive Technologies: State-of-the-Art and Challenges. <i>Frontiers in Neuroscience</i> , 2010 , 4,	5.1	336
116	Changes in brain activity during the observation of TV commercials by using EEG, GSR and HR measurements. <i>Brain Topography</i> , 2010 , 23, 165-79	4.3	116
115	Neuroelectrical hyperscanning measures simultaneous brain activity in humans. <i>Brain Topography</i> , 2010 , 23, 243-56	4.3	122

114	The issue of multiple univariate comparisons in the context of neuroelectric brain mapping: an application in a neuromarketing experiment. <i>Journal of Neuroscience Methods</i> , 2010 , 191, 283-9	3	30
113	Fractional-calculus diffusion equation. <i>Nonlinear Biomedical Physics</i> , 2010 , 4, 3		4
112	Patterns of cortical activity during the observation of Public Service Announcements and commercial advertisings. <i>Nonlinear Biomedical Physics</i> , 2010 , 4 Suppl 1, S3		3
111	A graph-theoretical approach in brain functional networks. Possible implications in EEG studies. <i>Nonlinear Biomedical Physics</i> , 2010 , 4 Suppl 1, S8		29
110	Defecting or not defecting: how to "read" human behavior during cooperative games by EEG measurements. <i>PLoS ONE</i> , 2010 , 5, e14187	3.7	125
109	Time-Varying Cortical Connectivity Estimation from Noninvasive, High-Resolution EEG Recordings. <i>Journal of Psychophysiology</i> , 2010 , 24, 83-90	1	9
108	Study of the time-varying cortical connectivity changes during the attempt of foot movements by spinal cord injured and healthy subjects. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2009 , 2009, 2208-11	0.9	2
107	Estimation of the cortical activity from simultaneous multi-subject recordings during the prisoner's dilemma. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2009 , 2009, 1937-9	0.9	17
106	Smart Homes for All: Collaborating Services in a for-All Architecture for Domotics. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2009 , 56-69	0.2	1
105	Analysis of the connection redundancy in functional networks from high-resolution EEG: a preliminary study. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2009 , 2009, 2204-7	0.9	0
104	CLUSTER STRUCTURE OF FUNCTIONAL NETWORKS ESTIMATED FROM HIGH-RESOLUTION EEG DATA. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2009 , 19, 665-676		9
103	The track of brain activity during the observation of TV commercials with the high-resolution EEG technology. <i>Computational Intelligence and Neuroscience</i> , 2009 , 652078	3	20
102	On the use of brain-computer interfaces outside scientific laboratories toward an application in domotic environments. <i>International Review of Neurobiology</i> , 2009 , 86, 133-46	4.4	8
101	Brain activity during the memorization of visual scenes from TV commercials: an application of high resolution EEG and steady state somatosensory evoked potentials technologies. <i>Journal of Physiology (Paris)</i> , 2009 , 103, 333-41		22
100	Estimation of effective and functional cortical connectivity from neuroelectric and hemodynamic recordings. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2009 , 17, 224-33	4.8	23
99	Evaluation of the brain network organization from EEG signals: a preliminary evidence in stroke patient. <i>Anatomical Record</i> , 2009 , 292, 2023-31	2.1	59
98	Motor cortical responsiveness to attempted movements in tetraplegia: evidence from neuroelectrical imaging. <i>Clinical Neurophysiology</i> , 2009 , 120, 181-9	4.3	22
97	An Embedded Middleware Platform for Pervasive and Immersive Environments for-All 2009 ,		7

96	The study of brain activity during the observation of commercial advertising by using high resolution EEG techniques. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2009, 2009, 57-60</i>	0.9	9
95	Interacting with the Environment through Non-invasive Brain-Computer Interfaces. <i>Lecture Notes in Computer Science, 2009, 483-492</i>	0.9	2
94	Tracking the time-varying cortical connectivity patterns by adaptive multivariate estimators. <i>IEEE Transactions on Biomedical Engineering, 2008, 55, 902-13</i>	5	133
93	Brain network analysis from high-resolution EEG recordings by the application of theoretical graph indexes. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2008, 16, 442-52</i>	4.8	38
92	Neural basis for brain responses to TV commercials: a high-resolution EEG study. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2008, 16, 522-31</i>	4.8	77
91	Non-invasive brain-computer interface system: towards its application as assistive technology. <i>Brain Research Bulletin, 2008, 75, 796-803</i>	3.9	197
90	Structure of the cortical networks during successful memory encoding in TV commercials. <i>Clinical Neurophysiology, 2008, 119, 2231-7</i>	4.3	25
89	Persistent patterns of interconnection in time-varying cortical networks estimated from high-resolution EEG recordings in humans during a simple motor act. <i>Journal of Physics A: Mathematical and Theoretical, 2008, 41, 224014</i>	2	34
88	Study of the time-varying cortical connectivity during the attempt of a foot movement by Spinal Cord Injured patients. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2008, 2008, 4551-4</i>	0.9	
87	High-resolution EEG techniques for brain-computer interface applications. <i>Journal of Neuroscience Methods, 2008, 167, 31-42</i>	3	82
86	Cortical network dynamics during foot movements. <i>Neuroinformatics, 2008, 6, 23-34</i>	3.2	38
85	A multimode navigation system for an assistive robotics project. <i>Autonomous Robots, 2008, 25, 383-404</i>	3	8
84	The estimation of cortical activity for brain-computer interface: applications in a domotic context. <i>Computational Intelligence and Neuroscience, 2007, 91651</i>	3	12
83	Comparison of different cortical connectivity estimators for high-resolution EEG recordings. <i>Human Brain Mapping, 2007, 28, 143-57</i>	5.9	277
82	Cortical functional connectivity networks in normal and spinal cord injured patients: Evaluation by graph analysis. <i>Human Brain Mapping, 2007, 28, 1334-46</i>	5.9	112
81	Imaging functional brain connectivity patterns from high-resolution EEG and fMRI via graph theory. <i>Psychophysiology, 2007, 44, 880-93</i>	4.1	74
80	Estimate of causality between independent cortical spatial patterns during movement volition in spinal cord injured patients. <i>Brain Topography, 2007, 19, 107-23</i>	4.3	23
79	Extracting information from cortical connectivity patterns estimated from high resolution EEG recordings: a theoretical graph approach. <i>Brain Topography, 2007, 19, 125-36</i>	4.3	33

78	Features extraction from time-varying cortical networks adopting a theoretical graph approach. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007</i> , 2007, 5198-201		
77	Vibrotactile feedback for brain-computer interface operation. <i>Computational Intelligence and Neuroscience, 2007</i> , 2007, 48937	3	98
76	Modern electrophysiological methods for brain-computer interfaces. <i>Computational Intelligence and Neuroscience, 2007</i> , 2007, 56986	3	7
75	Time-varying cortical connectivity by adaptive multivariate estimators applied to a combined foot-lips movement. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007</i> , 2007, 4402-5		2
74	Preliminary experimentation on vibrotactile feedback in the context of mu-rhythm based BCI. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007</i> , 2007, 4739-42		7
73	Development of a multimode navigation system for an assistive robotics project. <i>Proceedings - IEEE International Conference on Robotics and Automation, 2007</i> ,		6
72	Non-invasive brain-computer interface system to operate assistive devices. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007</i> , 2007, 2532-5		2
71	Cortical activity and connectivity of human brain during the prisoner's dilemma: an EEG hyperscanning study. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007</i> , 2007, 4953-6		39
70	High resolution EEG hyperscanning during a card game. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007</i> , 2007, 4957-60		53
69	Estimation of the cortical connectivity patterns during the intention of limb movements. <i>IEEE Engineering in Medicine and Biology Magazine, 2006</i> , 25, 32-8		9
68	Assessing cortical functional connectivity by partial directed coherence: simulations and application to real data. <i>IEEE Transactions on Biomedical Engineering, 2006</i> , 53, 1802-12	5	103
67	BCI meeting 2005--workshop on technology: hardware and software. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2006</i> , 14, 128-31	4.8	9
66	Motor-related cortical dynamics to intact movements in tetraplegics as revealed by high-resolution EEG. <i>Human Brain Mapping, 2006</i> , 27, 510-9	5.9	21
65	Cortical connectivity patterns during imagination of limb movements in normal subjects and in a spinal cord injured patient. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006</i> , 2006, 996-9		
64	Removal of ocular artifacts for high resolution EEG studies: a simulation study. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006</i> , 2006, 976-9		2
63	The ASPICE project 2006,		2
62	Neuroelectrical source imaging of mu rhythm control for BCI applications. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006</i> , 2006, 980-3		8
61	Autoregressive spectral analysis in Brain Computer Interface context. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006</i> , 2006, 3736-9		4

60	Neural basis for the brain responses to the marketing messages: an high resolution EEG study. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006</i> , 2006, 3676-9		3
59	Hypermethods for EEG hyperscanning. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006</i> , 2006, 3666-9		76
58	Estimation of the time-varying cortical connectivity patterns by the adaptive multivariate estimators in high resolution EEG studies. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006</i> , 2006, 2446-9		6
57	Brain connectivity structure in spinal cord injured: evaluation by graph analysis. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006</i> , 2006, 988-91		4
56	Assessing cortical functional connectivity by linear inverse estimation and directed transfer function: simulations and application to real data. <i>Clinical Neurophysiology, 2005</i> , 116, 920-32	4-3	98
55	Estimation of the cortical functional connectivity with the multimodal integration of high-resolution EEG and fMRI data by directed transfer function. <i>NeuroImage, 2005</i> , 24, 118-31	7-9	311
54	Estimation of the cortical connectivity by high-resolution EEG and structural equation modeling: simulations and application to finger tapping data. <i>IEEE Transactions on Biomedical Engineering, 2005</i> , 52, 757-68	5	59
53	Human alpha rhythms during visual delayed choice reaction time tasks: a magnetoencephalography study. <i>Human Brain Mapping, 2005</i> , 24, 184-92	5-9	22
52	Laboratory of functional neuroelectrical imaging and brain-computer interfacing at Fondazione Santa Lucia. <i>Cognitive Processing, 2005</i> , 6, 75-83	1-5	
51	Improved estimation of human cortical activity and connectivity with the multimodal integration of neuroelectric and hemodynamic data. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2005</i> , 2005, 5888-91		1
50	Multimodal integration of EEG and functional magnetic resonance recordings. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2004</i> , 2004, 5311-4		1
49	Sub-second "temporal attention" modulates alpha rhythms. A high-resolution EEG study. <i>Cognitive Brain Research, 2004</i> , 19, 259-68		99
48	Multimodal integration of EEG and MEG data: a simulation study with variable signal-to-noise ratio and number of sensors. <i>Human Brain Mapping, 2004</i> , 22, 52-62	5-9	45
47	Estimation of the effective and functional human cortical connectivity with structural equation modeling and directed transfer function applied to high-resolution EEG. <i>Magnetic Resonance Imaging, 2004</i> , 22, 1457-70	3-3	83
46	Multimodal integration of EEG, MEG and fMRI data for the solution of the neuroimage puzzle. <i>Magnetic Resonance Imaging, 2004</i> , 22, 1471-6	3-3	71
45	Human cortical responses during one-bit short-term memory. A high-resolution EEG study on delayed choice reaction time tasks. <i>Clinical Neurophysiology, 2004</i> , 115, 161-70	4-3	57
44	Attentional processes and cognitive performance during expectancy of painful galvanic stimulations: a high-resolution EEG study. <i>Behavioural Brain Research, 2004</i> , 152, 137-47	3-4	32
43	Human cortical rhythms during visual delayed choice reaction time tasks. A high-resolution EEG study on normal aging. <i>Behavioural Brain Research, 2004</i> , 153, 261-71	3-4	45

42	Solving the Neuroimaging puzzle with the multimodal integration of EEG and functional magnetic resonance recordings. <i>International Congress Series</i> , 2004 , 1270, 38-43		
41	Estimation of the cortical connectivity during a finger-tapping movement with multimodal integration of EEG and fMRI recordings. <i>International Congress Series</i> , 2004 , 1270, 126-129		2
40	Multimodal Imaging from Neuroelectromagnetic and Functional Magnetic Resonance Recordings. <i>Bioelectric Engineering</i> , 2004 , 251-280		5
39	Human cortical EEG rhythms during long-term episodic memory task. A high-resolution EEG study of the HERA model. <i>NeuroImage</i> , 2004 , 21, 1576-84	7.9	58
38	Functional frontoparietal connectivity during short-term memory as revealed by high-resolution EEG coherence analysis. <i>Behavioral Neuroscience</i> , 2004 , 118, 687-97	2.1	73
37	Coupling between "hand" primary sensorimotor cortex and lower limb muscles after ulnar nerve surgical transfer in paraplegia. <i>Behavioral Neuroscience</i> , 2004 , 118, 214-22	2.1	22
36	Alpha event-related desynchronization preceding a go/no-go task: a high-resolution EEG study. <i>Neuropsychology</i> , 2004 , 18, 719-28	3.8	40
35	Solving the neuroimaging puzzle: the multimodal integration of neuroelectromagnetic and functional magnetic resonance recordings. <i>Supplements To Clinical Neurophysiology</i> , 2004 , 57, 450-7		2
34	Anticipatory cortical responses during the expectancy of a predictable painful stimulation. A high-resolution electroencephalography study. <i>European Journal of Neuroscience</i> , 2003 , 18, 1692-700	3.5	75
33	Quantitative EEG and dynamic susceptibility contrast MRI in Alzheimer's disease: a correlative study. <i>Clinical Neurophysiology</i> , 2003 , 114, 1210-6	4.3	59
32	Multimodal integration of high-resolution EEG and functional magnetic resonance imaging data: a simulation study. <i>NeuroImage</i> , 2003 , 19, 1-15	7.9	104
31	Transient human cortical responses during the observation of simple finger movements: a high-resolution EEG study. <i>Human Brain Mapping</i> , 2003 , 20, 148-57	5.9	14
30	The use of EEG modifications due to motor imagery for brain-computer interfaces. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2003 , 11, 131-3	4.8	48
29	Computerized processing of EEG-EOG-EMG artifacts for multi-centric studies in EEG oscillations and event-related potentials. <i>International Journal of Psychophysiology</i> , 2003 , 47, 199-216	2.9	202
28	Developing wearable bio-feedback systems: a general-purpose platform. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2003 , 11, 117-9	4.8	10
27	Shall I Move My Right or My Left Hand?. <i>Journal of Psychophysiology</i> , 2003 , 17, 69-86	1	6
26	Human brain oscillatory activity phase-locked to painful electrical stimulations: a multi-channel EEG study. <i>Human Brain Mapping</i> , 2002 , 15, 112-23	5.9	64
25	Relevant EEG features for the classification of spontaneous motor-related tasks. <i>Biological Cybernetics</i> , 2002 , 86, 89-95	2.8	67

24	Chapter 55 High resolution EEG of sensorimotor brain functions: mapping ERPs or mu ERD?. <i>Supplements To Clinical Neurophysiology</i> , 2002 , 54, 365-371		1
23	Chapter 42 Quantitative EEG: modeling time, space, and phase of brain oscillatory activity. <i>Supplements To Clinical Neurophysiology</i> , 2002 , 284-288		1
22	A local neural classifier for the recognition of EEG patterns associated to mental tasks. <i>IEEE Transactions on Neural Networks</i> , 2002 , 13, 678-86		118
21	Human Cortical Electroencephalography (EEG) Rhythms during the Observation of Simple Aimless Movements: A High-Resolution EEG Study. <i>NeuroImage</i> , 2002 , 17, 559-572	7.9	172
20	High-resolution EEG: modeling time, space and phase of SEPs following upper limb stimulation. <i>International Congress Series</i> , 2002 , 1232, 243-246		0
19	Human Cortical Electroencephalography (EEG) Rhythms during the Observation of Simple Aimless Movements: A High-Resolution EEG Study 2002 , 17, 559-559		19
18	Human cortical electroencephalography (EEG) rhythms during the observation of simple aimless movements: a high-resolution EEG study. <i>NeuroImage</i> , 2002 , 17, 559-72	7.9	71
17	Recognition of imagined hand movements with low resolution surface Laplacian and linear classifiers. <i>Medical Engineering and Physics</i> , 2001 , 23, 323-8	2.4	39
16	Mapping of early and late human somatosensory evoked brain potentials to phasic galvanic painful stimulation. <i>Human Brain Mapping</i> , 2001 , 12, 168-79	5.9	65
15	Linear inverse source estimate of combined EEG and MEG data related to voluntary movements. <i>Human Brain Mapping</i> , 2001 , 14, 197-209	5.9	87
14	Spatial enhancement of EEG data by surface Laplacian estimation: the use of magnetic resonance imaging-based head models. <i>Clinical Neurophysiology</i> , 2001 , 112, 724-7	4.3	95
13	fMRI Priors for the Linear Inverse Estimation of EEG Cortical Sources. <i>Electromagnetics</i> , 2001 , 21, 579-592.8		6
12	High-resolution electro-encephalogram: source estimates of Laplacian-transformed somatosensory-evoked potentials using a realistic subject head model constructed from magnetic resonance images. <i>Medical and Biological Engineering and Computing</i> , 2000 , 38, 512-9	3.1	71
11	Movement-related electroencephalographic reactivity in Alzheimer disease. <i>NeuroImage</i> , 2000 , 12, 139-469		71
10	Linear classification of low-resolution EEG patterns produced by imagined hand movements. <i>IEEE Transactions on Rehabilitation Engineering: A Publication of the IEEE Engineering in Medicine and Biology Society</i> , 2000 , 8, 186-8		102
9	Human movement-related potentials vs desynchronization of EEG alpha rhythm: a high-resolution EEG study. <i>NeuroImage</i> , 1999 , 10, 658-65	7.9	265
8	Brain-Operated Assistive Devices: the ASPICE Project		5
7	High-Resolution EEG and Estimation of Cortical Activity for Brain-Computer Interface Applications		193-199

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