

Febo Cincotti

List of Publications by Citations

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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	Combining Brain-Computer Interfaces and Assistive Technologies: State-of-the-Art and Challenges. <i>Frontiers in Neuroscience</i> , 2010 , 4,	5.1	336
202	Estimation of the cortical functional connectivity with the multimodal integration of high-resolution EEG and fMRI data by directed transfer function. <i>NeuroImage</i> , 2005 , 24, 118-31	7.9	311
201	Brain-computer interface boosts motor imagery practice during stroke recovery. <i>Annals of Neurology</i> , 2015 , 77, 851-65	9.4	306
200	Comparison of different cortical connectivity estimators for high-resolution EEG recordings. <i>Human Brain Mapping</i> , 2007 , 28, 143-57	5.9	277
199	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
198	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
197	Non-invasive brain-computer interface system: towards its application as assistive technology. <i>Brain Research Bulletin</i> , 2008 , 75, 796-803	3.9	197
196	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
195	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
194	Tracking the time-varying cortical connectivity patterns by adaptive multivariate estimators. <i>IEEE Transactions on Biomedical Engineering</i> , 2008 , 55, 902-13	5	133
193	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
192	Neuroelectrical hyperscanning measures simultaneous brain activity in humans. <i>Brain Topography</i> , 2010 , 23, 243-56	4.3	122
191	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
190	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
189	Sensorimotor rhythm-based brain-computer interface training: the impact on motor cortical responsiveness. <i>Journal of Neural Engineering</i> , 2011 , 8, 025020	5	115
188	Cortical functional connectivity networks in normal and spinal cord injured patients: Evaluation by graph analysis. <i>Human Brain Mapping</i> , 2007 , 28, 1334-46	5.9	112
187	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

186	Assessing cortical functional connectivity by partial directed coherence: simulations and application to real data. <i>IEEE Transactions on Biomedical Engineering</i> , 2006 , 53, 1802-12	5	103
185	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
184	Tools for Brain-Computer Interaction: A General Concept for a Hybrid BCI. <i>Frontiers in Neuroinformatics</i> , 2011 , 5, 30	3.9	101
183	Sub-second "temporal attention" modulates alpha rhythms. A high-resolution EEG study. <i>Cognitive Brain Research</i> , 2004 , 19, 259-68		99
182	. <i>Proceedings of the IEEE</i> , 2015 , 103, 926-943	14.3	98
181	Vibrotactile feedback for brain-computer interface operation. <i>Computational Intelligence and Neuroscience</i> , 2007 , 2007, 48937	3	98
180	Assessing cortical functional connectivity by linear inverse estimation and directed transfer function: simulations and application to real data. <i>Clinical Neurophysiology</i> , 2005 , 116, 920-32	4.3	98
179	Eye-gaze independent EEG-based brain-computer interfaces for communication. <i>Journal of Neural Engineering</i> , 2012 , 9, 045001	5	95
178	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
177	On the use of EEG or MEG brain imaging tools in neuromarketing research. <i>Computational Intelligence and Neuroscience</i> , 2011 , 2011, 643489	3	92
176	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
175	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</i> , 2004 , 22, 1457-70	3.3	83
174	High-resolution EEG techniques for brain-computer interface applications. <i>Journal of Neuroscience Methods</i> , 2008 , 167, 31-42	3	82
173	Attention and P300-based BCI performance in people with amyotrophic lateral sclerosis. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 732	3.3	80
172	Neural basis for brain responses to TV commercials: a high-resolution EEG study. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2008 , 16, 522-31	4.8	77
171	Hypermethods for EEG hyperscanning. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2006 , 2006, 3666-9		76
170	Current trends in hardware and software for brain-computer interfaces (BCIs). <i>Journal of Neural Engineering</i> , 2011 , 8, 025001	5	75
169	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

168	P300-based brain-computer interface for environmental control: an asynchronous approach. <i>Journal of Neural Engineering</i> , 2011 , 8, 025025	5	74
167	Imaging functional brain connectivity patterns from high-resolution EEG and fMRI via graph theory. <i>Psychophysiology</i> , 2007 , 44, 880-93	4.1	74
166	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
165	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
164	Multimodal integration of EEG, MEG and fMRI data for the solution of the neuroimage puzzle. <i>Magnetic Resonance Imaging</i> , 2004 , 22, 1471-6	3.3	71
163	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
162	Movement-related electroencephalographic reactivity in Alzheimer disease. <i>NeuroImage</i> , 2000 , 12, 139-46	4.9	71
161	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
160	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
159	Relevant EEG features for the classification of spontaneous motor-related tasks. <i>Biological Cybernetics</i> , 2002 , 86, 89-95	2.8	67
158	Imaging the Social Brain by Simultaneous Hyperscanning During Subject Interaction. <i>IEEE Intelligent Systems</i> , 2011 , 26, 38-45	4.2	65
157	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
156	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
155	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
154	On ERPs detection in disorders of consciousness rehabilitation. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 775	3.3	62
153	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
152	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
151	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

150	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</i> , 2005 , 52, 757-68	5	59
149	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
148	Human cortical responses during one-bit short-term memory. A high-resolution EEG study on delayed choice reaction time tasks. <i>Clinical Neurophysiology</i> , 2004 , 115, 161-70	4.3	57
147	A covert attention P300-based brain-computer interface: Geospell. <i>Ergonomics</i> , 2012 , 55, 538-51	2.9	56
146	Multiscale topological properties of functional brain networks during motor imagery after stroke. <i>NeuroImage</i> , 2013 , 83, 438-49	7.9	55
145	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
144	High resolution EEG hyperscanning during a card game. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007 , 2007, 4957-60		53
143	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
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	Multimodal integration of EEG and MEG data: a simulation study with variable signal-to-noise ratio and number of sensors. <i>Human Brain Mapping</i> , 2004 , 22, 52-62	5.9	45
140	Human cortical rhythms during visual delayed choice reaction time tasks. A high-resolution EEG study on normal aging. <i>Behavioural Brain Research</i> , 2004 , 153, 261-71	3.4	45
139	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
138	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
137	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</i> , 2007 , 2007, 4953-6		39
136	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
135	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
134	Brain network analysis from high-resolution EEG recordings by the application of theoretical graph indexes. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2008 , 16, 442-52	4.8	38
133	Cortical network dynamics during foot movements. <i>Neuroinformatics</i> , 2008 , 6, 23-34	3.2	38

132	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</i> , 2008 , 41, 224014	2	34
131	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
130	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</i> , 2013 , 2013, 6619-22	0.9	33
129	Extracting information from cortical connectivity patterns estimated from high resolution EEG recordings: a theoretical graph approach. <i>Brain Topography</i> , 2007 , 19, 125-36	4.3	33
128	Attentional processes and cognitive performance during expectancy of painful galvanic stimulations: a high-resolution EEG study. <i>Behavioural Brain Research</i> , 2004 , 152, 137-47	3.4	32
127	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
126	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
125	A graph-theoretical approach in brain functional networks. Possible implications in EEG studies. <i>Nonlinear Biomedical Physics</i> , 2010 , 4 Suppl 1, S8		29
124	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
123	Asynchronous gaze-independent event-related potential-based brain-computer interface. <i>Artificial Intelligence in Medicine</i> , 2013 , 59, 61-9	7.4	26
122	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
121	Structure of the cortical networks during successful memory encoding in TV commercials. <i>Clinical Neurophysiology</i> , 2008 , 119, 2231-7	4.3	25
120	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</i> , 2014 , 2014, 3001-4	0.9	23
119	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
118	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
117	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</i> , 2011 , 2011, 2338-41	0.9	23
116	Estimate of causality between independent cortical spatial patterns during movement volition in spinal cord injured patients. <i>Brain Topography</i> , 2007 , 19, 107-23	4.3	23
115	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

114	Motor cortical responsiveness to attempted movements in tetraplegia: evidence from neuroelectrical imaging. <i>Clinical Neurophysiology</i> , 2009 , 120, 181-9	4.3	22
113	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
112	Human alpha rhythms during visual delayed choice reaction time tasks: a magnetoencephalography study. <i>Human Brain Mapping</i> , 2005 , 24, 184-92	5.9	22
111	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
110	Motor-related cortical dynamics to intact movements in tetraplegics as revealed by high-resolution EEG. <i>Human Brain Mapping</i> , 2006 , 27, 510-9	5.9	21
109	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
108	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
107	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</i> , 2010 , 2010, 1734-7	0.9	19
106			19
105	Human Cortical Electroencephalography (EEG) Rhythms during the Observation of Simple Aimless Movements: A High-Resolution EEG Study 2002 , 17, 559-559		19
104	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
103	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
102	Self-calibration algorithm in an asynchronous P300-based brain-computer interface. <i>Journal of Neural Engineering</i> , 2014 , 11, 035004	5	17
101	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
100	Interhemispheric Connectivity Characterizes Cortical Reorganization in Motor-Related Networks After Cerebellar Lesions. <i>Cerebellum</i> , 2017 , 16, 358-375	4.3	15
99	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
98	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</i> , 2010 , 2010, 2814-7	0.9	15
97	EEG Resting-State Brain Topological Reorganization as a Function of Age. <i>Computational Intelligence and Neuroscience</i> , 2016 , 2016, 6243694	3	15

96	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
95	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</i> , 2014 , 2014, 6786-9	0.9	14
94	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
93	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
92	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
91	The estimation of cortical activity for brain-computer interface: applications in a domotic context. <i>Computational Intelligence and Neuroscience</i> , 2007 , 91651	3	12
90	BNCI Horizon 2020 □Towards a Roadmap for Brain/Neural Computer Interaction. <i>Lecture Notes in Computer Science</i> , 2014 , 475-486	0.9	12
89	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
88	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
87	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
86	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	0.9	9
85	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</i> , 2009 , 2009, 57-60	0.9	9
84	Estimation of the cortical connectivity patterns during the intention of limb movements. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 2006 , 25, 32-8		9
83	BCI meeting 2005--workshop on technology: hardware and software. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2006 , 14, 128-31	4.8	9
82	Time-Varying Cortical Connectivity Estimation from Noninvasive, High-Resolution EEG Recordings. <i>Journal of Psychophysiology</i> , 2010 , 24, 83-90	1	9
81	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
80	Community structure in large-scale cortical networks during motor acts. <i>Chaos, Solitons and Fractals</i> , 2012 , 45, 603-610	9.3	8
79	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

78	Advanced brain computer interface for communication and control 2010 ,		8
77	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
76	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
75	A multimode navigation system for an assistive robotics project. <i>Autonomous Robots</i> , 2008 , 25, 383-404	3	8
74	Neuroelectrical source imaging of mu rhythm control for BCI applications. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2006 , 2006, 980-3		8
73	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
72	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
71	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
70	An Embedded Middleware Platform for Pervasive and Immersive Environments for-All 2009 ,		7
69	Modern electrophysiological methods for brain-computer interfaces. <i>Computational Intelligence and Neuroscience</i> , 2007 , 2007, 56986	3	7
68	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</i> , 2007 , 2007, 4739-42		7
67	Development of a multimode navigation system for an assistive robotics project. <i>Proceedings - IEEE International Conference on Robotics and Automation</i> , 2007 ,		6
66	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</i> , 2006 , 2006, 2446-9		6
65	fMRI Priors for the Linear Inverse Estimation of EEG Cortical Sources. <i>Electromagnetics</i> , 2001 , 21, 579-592	8	6
64	Shall I Move My Right or My Left Hand?. <i>Journal of Psychophysiology</i> , 2003 , 17, 69-86	1	6
63	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
62	Brain-Operated Assistive Devices: the ASPICE Project		5
61	Multimodal Imaging from Neuroelectromagnetic and Functional Magnetic Resonance Recordings. <i>Bioelectric Engineering</i> , 2004 , 251-280		5

60	SEED-G: Simulated EEG Data Generator for Testing Connectivity Algorithms. <i>Sensors</i> , 2021 , 21,	3.8	5
59	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</i> , 2013 , 2013, 4350-3	0.9	4
58	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</i> , 2010 , 2010, 2902-5	0.9	4
57	Fractional-calculus diffusion equation. <i>Nonlinear Biomedical Physics</i> , 2010 , 4, 3		4
56	Autoregressive spectral analysis in Brain Computer Interface context. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2006 , 2006, 3736-9		4
55	Brain connectivity structure in spinal cord injured: evaluation by graph analysis. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2006 , 2006, 988-91		4
54	Brain-Computer Interfaces for Assessment and Communication in Disorders of Consciousness. <i>Advances in Bioinformatics and Biomedical Engineering Book Series</i> , 181-214	0.4	4
53	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
52	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
51	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</i> , 2006 , 2006, 3676-9		3
50	Frontoparietal cortical networks revealed by Structural Equation modeling and high resolution EEG during a short term memory task		3
49	An EMG Pattern Comparison of Exoskeleton vs. End-Effector Robotic Device for Assisted Walking Training. <i>Biosystems and Biorobotics</i> , 2014 , 563-567	0.2	3
48	Randomized Controlled Trial to Evaluate a BCI-Supported Task-Specific Training for Hand Motor Recovery after Stroke. <i>Biosystems and Biorobotics</i> , 2013 , 501-505	0.2	3
47	Interfacing brain and computer in neurorehabilitation 2016 ,		3
46	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
45	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</i> , 2013 , 2013, 2932-5	0.9	2
44	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
43	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 , 2017, 4252-4262	0.9	2

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