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1. 学術論文(Original Papers)

番号(no.)	著者(authors)	題名(title)	学術誌名(journal)	巻・号(vol, no.)	ページ(pages)	発行年(date)
1	Ling Li, Yili Xia, Beth Jelfs, Jianting Cao and Danilo P. Mandic	Modelling of brain consciousness based on collaborative adaptive filters	Neurocomputing, ELSEVIER,	vol.76, issue 1,	pp. 36-43,	Jan. 2012.
2	Rubin Wang, Zhikang Zhang, Chi K. Tse, Jingyi Qu, Jianting Cao	Neural coding in networks of multi-populations of neural oscillators	Mathematics and Computer in Simulation, ELSEVIER,	MATCOM-3563,	15 pages,	Dec. 2011
3	T.M. Rutkowski, T. Tanaka, A. Cichocki, D. Erickson, and J.Cao, D.P. Mandic	Interactive components extraction from fEEG and fNIRS for affective brain machine interfacing paradigms,	Computers in Human Behavior, ELSEVIER,	Vol.27, issue 5,	pp.1512-1518,	Sept. 2011.
4	Rubin Wang, Zhikang Zhang, Jingyi Qu and Jianting Cao	Phase synchronization motion and neural coding in dynamic transmission of neural information	IEEE Transactions on Neural Networks,	Vol.22, No.7,	pp.1097-1106,	July 2011.
5	Yohei Tomita, Yasue Mitsukura, Toshihisa Tanaka and Jianting Cao	Detection of dozing with high temporal resolution using instantaneous EEG features	Journal of Signal Processing,	Vol. 15, No. 4,	pp. 303-306,	July. 2011.

6	Weigang Sun, Jianting Cao and Rubin Wang	Complex network approach for the brain death determination	Chinese Physics Letters,	Vol.28, No. 6,	pp.1-3,	June 2011.
7	Gen Hori and Jianting Cao,	Selecting EEG components using time series analysis in brain death diagnosis	Cognitive Neurodynamics, Springer,	Vol.5 No.2,	DOI 10.1007/s1157 1-010-9149- 2,	May 2011
8	Qiwei Shi, Juhong Yang, Jianting Cao, Toshihisa Tanaka, Rubin Wang and Huili Zhu	EEG data analysis based on EMD for coma and quasi-brain- death patients	Journal of Experimental & Theoretical Artificial Intelligence, Taylor & Francis,	Vol. 23, No.1	pp.97-110	March 2011
9	K. Yang, J. Cao, R. Wang and H. Zhu	Analyzing EEG of quasi-brain-death based on dynamic approximate entropy measures	Chinese Journal of Biomedical Engineering,	Vol.30, No.1	pp.91-97	Feb. 2011
10	Xiaodan Zhang, Rubin Wang, Zhikang Zhang, Jingyi Qu, Jianting Cao, Xianfa Jiao	Dynamic phase synchronization characteristics of variable high-order coupled neuronal oscillator population	Neurocomputing, ELSEVIER	Vol. 73, Issue 13-15	pp.2665-2670	Aug. 2010
11	Weigang Sun, Rubin Wang and Jianting Cao	Analyzing inner and outer synchronization between two coupled discrete-time network with time delays	Cognitive Neurodynamics, Springer	Vol.4, No.3	pp.225-231	June. 2010

12	Juhong Yang, Yuki Saito, Jianting Cao, Toshihisa Tanaka and Tsunehiro Takeda	Empirical mode decomposition method for MEG data analysis	Journal of Circuit, Systems, and Computers	Vol. 18, No. 8	1467-1480	Dec. 2009
13	Yohei Tomita, Shin-ichi Ito, Yasue Mitsukura, Naoko Koda, Jinting Cao, and Minoru Fukumi	Objectively psychological evaluation using the EEG	Journal of Signal Processing	Vol. 12, No.6	465-472	Nov. 2008
14	Chen Z, Jianting Cao, Yang Cao, Yue Zhang, Fanji Gu, Guoxian Zhu, Zhen Hong, Bin Wang, Andrzej Cichocki	Qualitative evaluation and quantitative EEG analysis in brain death diagnosis for adults: An empirical study	Cognitive Neurodynamics, Springer	Vol.2, No.3	257-271	Sept. 2008
15	Juhong Yang, Jianting Cao and Yasue Mitsukura	EEG data analysis for coma and quasi brain death patients	Journal of Signal Processing	Vol. 11, No. 6	481-487	Nov. 2007
16	伊藤伸一, 満倉靖恵, 宮村浩子, 斎藤隆文, 福見稔, 曹建庭	前頭前野の脳波を用いた気分一致曲の検出	Journal of Information	Vol.10, No.10	881-887	Oct. 2007
17	Z. Chen, S. Ohara, J. Cao, F. Vialatte, F. A. Lenz, and A. Cichocki	Statistical modeling and analysis of laser-evoked potentials of electrocorticogram recordings from awake humans	Computational Intelligence and Neuroscience, Article ID 10479, doi:10.1155	Volume 2007	24 pages,	May 2007

2. 国際会議論文(Proceedings)

番号(no.)	著者(authors)	題名(title)	会議録名(proceedings)	ページ(pages)	開催地(venue)	開催期間(date)
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1	Gen Hori and Jianting Cao	An application of translation error to brain death diagnosis	Lecture Notes in Computer Science, Springer,	Vol.7062, pp.314-321,		
2	Qibin Zhao, Akinari Onishi, Yu Zhang, Jianting Cao, Liqing Zhang, and Andrzej Cichocki	A novel oddball paradigm for affective BCIs using emotional faces as stimuli	Lecture Notes in Computer Science, Springer,	Vol.7062, pp.279-286,		Nov. 2011.
3	Long Zhang, Cheng Zhang, Hiroshi Higashi, Jianting Cao and Toshihisa Tanaka	Common Spatial Pattern Using Multivariate EMD for EEG Classification	Proc. of 2011 Asia-Pacific Signal and Information Processing Association Annual Summit and Conference (APSIPA ASC 2011),	http://www.apsipa.org/proceedings_2011/pdf/APSIPA273.pdf	Xian, China,	Oct. 2011.
4	Yunchao Yin, Jianting Cao, Qiwei Shi, Danilo P. Mandic, Toshihisa Tanaka a	Analyzing the EEG energy of quasi brain death using MEMD	Proc. of 2011 Asia-Pacific Signal and Information Processing Association Annual Summit and Conference (APSIPA ASC 2011),	http://www.apsipa.org/proceedings_2011/pdf/APSIPA233.pdf	Xian, China,	Oct. 2011
5	Mosabber Uddin Ahmed, Ling Li, Jianting Cao and Danilo P. Mandic	Multivariate multiscale entropy for brain consciousness analysis	Proceedings of the 2011 IEEE Engineering in Medicine and Biology 33th Annual Conference	pp.810-813,	Boston, U.S.A.	Aug. 2011
6	Wei Zhou, Gang Liu, Qiwei Shi, Shilei Cui, Yina Zhou, Huili Zhu, Rubin Wang, and Jianting Cao	Blind Testing of Quasi Brain Deaths Based on Analysis of EEG Energy	Lecture Notes in Artificial Intelligence, Springer,	Vol. 6840, pp. 514-520,		Aug. 2011.

7	Yohei Tomita, Yasue Mitsukura, Toshihisa Tanaka and Jianting Cao	Dimension reduction of RCE signal by PCA and LPP for estimation of the sleeping	Lecture Notes in Computer Science, Springer,	Vol.6677, pp.306- 312,		Jun-11
8	Anh Huy Phan, Andrzej Cichocki, Kiyotoshi Matsuoka and Jianting Cao	Novel hierarchical ALS algorithm for nonnegative tensor factorization	2011 IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP2011),	pp. 1984-1987	Czech	May 2011.
9	Yili Xia, Ling Li, Jianting Cao, M. Golz and Danilo P. Mandic	A collaborative filtering approach for quasi-brain-death EEG analysis	2011 IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP2011),	pp. 645-648	Czech	May 2011.
10	Yohei Tomita, Yasue Mitsukura, Toshihisa Tanaka, and Jianting Cao	A doze detection with high temporal resolution using instantaneous EEG features	in Proceedings of 2011 RISP International Workshop on Nonlinear Circuits and Signal Processing (NCSP'11)	pp.443-446	China,	March 2011.
11	Qiwei Shi, Yunchao Yin, Shilei Cui, Yinan Zhou, Huili Zhu*, Jianting Cao and Rubin Wang	Blind experiment based on dynamic approximate entropy measure for quasi- brain-death EEG	IEEE International Symposium on Information Science and Engineering (ISISE 2010)	pp. 240-243	China	Dec. 2010
12	Yohei Tomita Hironobu Fukai Yasue Mitsukura Toshihisa Tanaka and Jianting Cao	Discrimination of the sleeping EEG by the adaptive rhythmic component extraction	the Proceedings of the International Conference on Cognitive Neurondynamics, Springer,	pp.723-728,	China	Dec. 2010.

13	Kun Yang, Qiwei Shi, Jianting Cao, and Rubin Wang	Analyzing EEG of quasi brain death based on approximate entropy measure	the Proceedings of the International Conference on Cognitive Neurondynamics Springer,	pp.729-734,	China	Dec. 2010.
14	Wei Zhou, Qiwei Shi, Shilei Cui, Jianting Cao, Yang Cao, Huili Zhu and Rubin Wang	Blind testing based on ICA for quasi-brain-death EEG	The 6th International Conference on Natural Computation (ICNC' 10), IEEE express,	pp.763-766,	China	Aug, 2010.
15	Qiwei Shi, Wei Zhou, Jianting Cao, Danilo P. Mandic, Toshihisa Tanaka, Tomasz M. R	An Auditory Oddball Based Brain-Computer Interface System Using Multivariate EMD	Lecture Notes in Artificial Intelligence, Springer	Vol. 6216, pp. 140-148		Aug. 2010.
16	Yohei Tomita, Yasue Mitsukura, Toshihisa Tanaka and Jianting Cao	EEG frequency analysis for dozing detection system	2010 IEEE World Congress on Computational Intelligence (IJCNN-2010)	pp.1715-1718	Spain	July 2010.
17	Qiwei Shi, Wei Zhou, Jianting Cao Toshihisa Tanaka, and Rubin Wang	Brain-computer interface system using approximate entropy and EMD techniques	Lecture Notes in Computer Science, Springer,	Vol.6146, pp.204-212,		June. 2010.
18	Qiwei Shi, Jianting Cao, Wei Zhou, Toshihisa Tanaka, and Rubin Wang,	Dynamic extension of approximate entropy measure for brain-death EEG	Lecture Notes in Computer Science, Springer,	Vol.6064, pp.353-359,		June. 2010

19	Juhong Yang, Qiwei Shi, Jianting Cao and Tsunehiro Takeda,	Auditory evoked fields analysis using EMD and ICA	2009 Asia-Pacific Signal and Information Processing Association Annual Summit and Conference	pp.165-169	Japan	Oct. 2009
20	Yohei Tomita, Shin-ichi Ito, Yasue Mitsukura, Toshihisa Tanaka, Jianting Cao	The Extraction of Sleep Quality by using the multi-channel EEG Signal	2009 Asia-Pacific Signal and Information Processing Association Annual Summit and Conference	pp.174-179	Japan	Oct. 2009
21	Yohei Tomita, Yasue Mitsukura, Toshihisa Tanaka and Jianting Cao	Analysis of the EEG during the Sleeping by the Rhythmic Component Extraction	18th IEEE International Symposium on Robot and Human Interactive Communication	pp.1054-1059	Japan	Sep-09
22	Qiwei Shi, Juhong Yang, Jianting Cao, Toshihisa Tanaka, Tomasz M. Rutkowski, Rubin Wang and Huili Zhu	EMD based power spectral pattern analysis for quasi-brain-death EEG	Lecture Notes in Artificial Intelligence, 2009 International Conference on Intelligent Computing	Vol.5755, pp.814-823	Korea	Sep. 2009
23	T. M. Rutkowski, A. Cichocki, T. Tanaka, D.P. Mandic, J. Cao, A. L. Ralescu	Multichannel spectral pattern separation - An EEG processing application	Proceedings of the 2009 IEEE International Conference on Acoustics, Speech, and Signal Processing	pp. 373-376	Taiwan	April, 2009

24	Yohei Tomita, Shin-Ichi Ito, Yasue Mitsukura, Toshihisa Tanaka, Jianting Cao	Rhythmic component extraction for sleeping electroencephalogram analysis	in Proceedings of 2009 RISP International Workshop on Nonlinear Circuits and Signal Processing	pp.443-446	USA	Mar-09
25	T.M. Rutkowski, A. Cichocki, T. Tanaka, D. P. Mandic, and J. Cao	Multichannel spectral pattern separation – a nonlinear approach to EEG signals from interferences separation in frequency domain	in Proceedings of 2009 RISP International Workshop on Nonlinear Circuits and Signal Processing	pp. 439-442	USA	Mar-09
26	Junko Murakami, Shin-Ichi Ito, Yasue Mitsukura, Jianting Cao, Minoru Fukumi, Taketoshi Suzuki	Classification of the vision correction by the EEG	in Proceedings of 2009 RISP International Workshop on Nonlinear Circuits and Signal Processing	pp. 435-438	USA	Mar-09
27	Zhaoshui He, Andrzej Cichocki, Rafal Zdunek and Jianting Cao	CG-M-FOCUSS and its Application to Distributed Compressed Sensing	Lecture Notes in Computer Science, Springer	pp.237-245	China	Sep-08
28	Jianting Cao and Zhe Chen	ICA and Complexity Measures of EEG Analysis in Brain Death Determination	Advances in Cognitive Neurodynamics ICCN 2007.ISBN: 978-1-4020-8386-0, Springer	pp.669-704	China	Jun-08
29	Yuki Saito, Toshihisa Tanaka, Jianting Cao, and Danilo P. Mandic	Quasi-Brain-Death EEG Data Analysis by Empirical Mode Decomposition	Advances in Cognitive Neurodynamics ICCN 2007.ISBN: 978-1-4020-8386-0, Springer	pp.837-842	China	Jun-08

30	Yohei Tomita, Shin-ichi Ito, Yasue Mitsukura, Naoko Koda, Jianting Cao, Minoru Fukumi	Benefits of the Animal Assisted Therapy -- Comparison the EEG features	in Proceedings of 2008 RISP International Workshop on Nonlinear Circuits and Signal Processing	pp. 299-302	USA	March 2008
31	Junko Murakami, Shin-ichi Ito, Yasue Mitsukura, Jianting Cao and Minoru Fukumi	Detection of the human-activity using the FCM	2007 International Conference on Control, Automation and Systems	pp. 1883-1886	Korea	Oct-07
32	Shin-ichi Ito, Yasue Mitsukura, Minoru Fukumi and Jianting Cao	Detecting method of music to match the user's mood in prefrontal cortex EEG activity using the GA	2007 International Conference on Control, Automation and Systems	pp. 2142-2145	Korea	Oct-07
33	Zha Chen and Jianting Cao	An empirical quantitative EEG analysis for evaluating clinical brain death	Processings of the 2007 IEEE Engineering in Medicine and Biology 29th Annual Conference	pp.3880-3883	France	Aug-07
34	Juhong Yang, Yoshio Konno and Jianting Cao	Analysis of Real-Measured EEG Data from Coma and Brain-Death Patients	in Proceedings of 2007 RISP International Workshop on Nonlinear Circuits and Signal Processing (NCSP'07)	pp.385-388	China	Mar-07
35	Mo Chen, Tomasz M. Rutkowski, Beth Jelfsy, George Souretisy, Jianting Cao and Danilo Mandic	Assessment of Nonlinearity in Brain Electrical Activity: A DVV Approach	in Proceedings of 2007 RISP International Workshop on Nonlinear Circuits and Signal Processing (NCSP'07)	pp.461-464	China	Mar-07

36	Huabin Tang and Jianting Cao	EEG Measurement and Analysis for the Drowse Task	in Proceedings of 2007 RISP International Workshop on Nonlinear Circuits and Signal Processing (NCSP'07)	pp.301-304	China	Mar-07
37	Junko Murakami, Shin-ichi Ito, Yasue Mitsukura , Jianting Cao and Minoru Fukumi	Classification of Conditions by the EEG	in Proceedings of 2007 RISP International Workshop on Nonlinear Circuits and Signal Processing (NCSP'07)	pp.271-300	China	Mar-07
38	Eriko Yokomatsu, Shin-ichi Ito, Yasue Mitsukura, Jianting Cao, and Minoru Fukumi	Preference Acquisition by Using Olfactory Stimulus and EEG	in Proceedings of 2007 RISP International Workshop on Nonlinear Circuits and Signal Processing (NCSP'07)	pp.381-384	China	Mar-07
39	Jianting Cao	Analysis of the quasi-brain-death EEG data based on a robust ICA approach	Lecture Notes in Artificial Intelligence, Springer-Verlag, ISBN 3-540-465421	Vol. 4253, No. 3, pp.1240-1247	UK	Oct. 2006
40	Jianting Cao, Liangyu Zhao and Andrzej Cichocki	Visualization of dynamic brain activities based on the single-trial MEG and EEG data analysis	Advances in Neural Networks, Lecture Notes in Computer Science, Springer-Verlag, Berlin ISSN0302-9473	Vol. 3973. pp.531-540,	China	June, 2006

41	Jianting Cao, Liangyu Zhao, Huashi Jin, Zhen Hong, Guoxian Zhu, Yue Zhang, Yang Cao and Fanji Gu	Flat EEG data analysis in the determination of brain death	in Proceedings of 2006 RISP International Workshop on Nonlinear Circuits and Signal Processing,	pp. 191-194	USA	Mar. 2006
42	Yoshio Konno, Jianting Cao and Mamoru Tanaka	Multiuser Detection based on a Robust Approach of Principal- Factor Method with Determination of the Number of Sources	2005 IEEE International Symposium on Communications and Information Technology	pp. 147-150	China	Oct. 2005
43	Yoshio Konno, Jianting Cao and Mamoru Tanaka	A Robust Spatio- Temporal Processing for Multipath Environments with an Antenna Array	The 5th WSEAS International Conference on SIGNAL, SPEECH and IMAGE PROCESSING	pp. 22-27	Greece.	Aug-05
45	Liangyu Zhao, Jianting Cao, Tetsuya Hoya and Andrzej Cichocki	Analysis of Single- Trial EEG Data Using a Combined Robust Pre-Whitening Technique and ICA Approach	in Proceedings of 2005 IEEE International Workshop on VLSI Design and Video Technology, IEEE Catalog Number: 05EX1030, ISBN: 0- 7803-9005-9,	pp.238-242	China	May-05

3. 著書・解説(Books and Reviews)

番号(no.)	著者(authors)	書名(title)	出版社(publisher)	発行年(date)	備考(remarks)
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1	Ling Li, Yuki Saito, David Looney, Jianting Cao, Toshihisa Tanaka and Danilo P. Mandic:	<i>EVOLVING INTELLIGENT SYSTEMS: Methodology and Applications,</i> Chapters 10: Data fusion via fission for the analysis of brain death	Springer	April 4, 2010.	pp.279-320
2	Jiangting Cao and Zhe Chen	<i>Signal Processing Techniques for Knowledge Extraction and Information Fusion</i> Chapters 15: Advanced EEG Signal Processing in Brain Death Diagnosis	Springer	2008	pp.275-297
3	Ling Li, Yuki Saito, David Looney, Jianting Cao, Toshihisa Tanaka and Danilo P.Mandic	<i>EVOLVING INTELLIGENT SYSTEMS: Methodology and Applications</i> Chapters 10: Data fusion via fission for the analysis of brain death''	Springer	2008	pp.279-320

翻訳書の場合はここに原著者と原
題をかつこで記入

ここに単著・共著の
別、分担ページを記入

4. 特許(Patents)

番号(no.)	発明者名(inventor)	発明名称(invention)	出願／公開／登録番号	出願／公開／登録年
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5. 学術講演・研究発表(Lectures)

番号(no.)	著者(authors)	題名(title)	講演集名(preprints)	ページ(pages)	開催地(venue)	開催年(date)
1	Qiwei Shi, Jianting Cao, and Toshihisa Tanaka:	EMD technique for a motor imagery based BCI System	Proceedings of 24th Digital Signal Processing Symposium	pp.408-411	Japan	Nov. 2009.
2	杨琨, 宋哲, 曹建庭, 王如彬,	疑似脳死患者脳電信号的近似熵分析	中国力学学会学术大会論文集	pp.130-138	中国	Aug. 2009.
3	Jianting CAO	Brain-death Determination Based On EEG Approach	中国力学学会学术大会論文集	pp.1-4	中国	Aug. 2009.
4	富田 洋平 深井 寛 修 満倉 靖恵 田中 聡久 曹 建庭	PCA とLPP を用いた睡眠脳波の律動成分の解析	電気学会 電子・情報・システム部門大会	pp.762-765	日本	2009
5	Juhong Yang, Yuki Saito, Jianting Cao, and Toshihisa Tanaka	Analysis of the Real-Measured MEG Phantom Data and EEG Quasi-Brain-Death Data Using EMD Method	Proceedings of 23th Digital Signal Processing Symposium,	pp.46-51	日本	Nov. 2008
6	斉藤佑樹, 田中聡久, 曹建庭, マンディッチ・ダニーロ	ヒルベルト-ホワンスペクトルによる準脳死患者の多チャンネル脳波解析	第22回デジタル信号処理シンポジウム講演論文集,	pp.155-160	日本	Nov.2007
7	楊桔紅, 曹建庭, 満倉靖恵	独立成分分析法による準脳死患者の脳波解析	第22回デジタル信号処理シンポジウム講演論文集	pp.369-373	日本	Nov. 2007.

8	富田洋平,伊藤伸一, 満倉靖恵,甲田菜穂 子,曹建庭	脳波を用いたアニマル セラピー効果の検証	第22回デジタル信号 処理シンポジウム講演 論文集	pp.194-198	日本	Nov. 2007.
9	斉藤佑樹 田中聡 久 曹建庭	経験的モード分解を 用いた準脳死患者の 脳波解析	2007年電子情報通信 学会春季全国大会講 演論文集	p.194	日本	March 2007.
10	金化石・曹建庭・ 武田常広	Analysis of Single- Trial MEG Phantom Data	第44回日本生体医工 学会大会, Vol. 43, ISSN 1347-443,	p.400	日本	Apr. 2005
11	Liangyu Zhao, Jianting Cao, Tetsuya Hoya and Andrzej Cichocki	Analysis of Dynamical Visual Evoked Potential EEG Data Using ICA Approach	第44回日本生体医工 学会大会, Vol 43, ISSN 1347-443,	p.428	日本	Apr. 2005

6. 報告(Reports)

番号(no.)	著者(authors)	題名(title)	報告書名(report)	巻・号(vol, no.)	ページ(pages)	発行年(date)
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7. 紀要(Bulletin)

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