BRAIN PRODUCTS
Solutions for neurophysiological research

BCI-related Publications using Brain Products Hard-/Software

1. Acqualagna, L. and B. Blankertz
   Gaze-independent BCI-spelling using rapid serial visual presentation (RSVP)
   Clinical neurophysiology : official journal of the International Federation of Clinical Neurophysiology, 2013. null
   http://www.ncbi.nlm.nih.gov/pubmed/23466266

2. Acqualagna, L., et al. (2013).
   Chroma Speller: Isotropic visual stimuli for truly gaze-independent spelling.
   Neural Engineering (NER), 2013 6th International IEEE/EMBS Conference on, IEEE: 1041-1044.
   http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6696115

3. Ahn, M., et al. (2013).
   Gamma band activity associated with BCI performance: simultaneous MEG/EEG study.
   Frontiers in human neuroscience 7.
   http://www.ncbi.nlm.nih.gov/pubmed/24367322

4. Akram, F., et al. (2015).
   An efficient word typing P300-BCI system using a modified T9 interface and random forest classifier.
   Computers in biology and medicine 56: 30-36.
   http://www.ncbi.nlm.nih.gov/pubmed/25464346

5. Akram, F., et al. (2014).
   A P300-based brain computer interface system for words typing.
   Computers in biology and medicine 45: 118-125.
   http://www.ncbi.nlm.nih.gov/pubmed/24480171

6. Akram, F., et al. (2013).
   A novel P300-based BCI system for words typing.
   Brain-Computer Interface (BCI), 2013 International Winter Workshop on, IEEE: 24-25.
   http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6506617

7. An, X., et al. (2014).
   Exploring combinations of auditory and visual stimuli for gaze-independent brain-computer interfaces.
   PloS one 9: e111070.
   http://www.ncbi.nlm.nih.gov/pubmed/25350547

8. An, X., et al. (2014).
   Optimizing visual-to-auditory delay for multimodal BCI speller.
   Engineering in Medicine and Biology Society (EMBC), 2014 36th Annual International Conference of the IEEE, IEEE: 1226-1229.
   http://www.ncbi.nlm.nih.gov/pubmed/25570186

9. Andermann, M., et al.
   Brain state-triggered stimulus delivery: An efficient tool for probing ongoing brain activity
   Open journal of neuroscience, 2012. 2
   http://www.ncbi.nlm.nih.gov/pubmed/23275858

BRAIN PRODUCTS
Solutions for neurophysiological research

BCI-related Publications using Brain Products Hard-/Software

10.   Bauer, R., et al. (2015).
      Bridging the gap between motor imagery and motor execution with a brain–robot interface.
      Neuroimage 108: 319-327.
      http://www.ncbi.nlm.nih.gov/pubmed/25527239

11.   Bauer, R. and A. Gharabaghi (2015).
      Estimating cognitive load during self-regulation of brain activity and neurofeedback with therapeutic brain-computer interfaces.
      Frontiers in behavioral neuroscience 9.
      http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4329795/

12.   Blankertz, B., et al.
      The non-invasive Berlin Brain-Computer Interface:
      fast acquisition of effective performance in untrained subjects
      NeuroImage, 2007. 37: p. 539-50
      http://www.ncbi.nlm.nih.gov/pubmed/17475513

13.   Blankertz, B., et al.
      The Berlin brain-computer interface: EEG-based communication without subject training
      IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2006. 14: p. 147-152
      http://www.ncbi.nlm.nih.gov/pubmed/16792281

14.   Blankertz, B., et al.
      The Berlin Brain-Computer Interface: accurate performance from first-session in BCI-naïve subjects
      IEEE transactions on bio-medical engineering, 2008. 55: p. 2452-62
      http://www.ncbi.nlm.nih.gov/pubmed/18838371

15.   Blankertz, B., et al.
      Neurophysiological predictor of SMR-based BCI performance
      NeuroImage, 2010. 51: p. 1303-9
      http://www.ncbi.nlm.nih.gov/pubmed/20303409

16.   Bleichner, M. G., et al. (2015).
      Exploring miniaturized EEG electrodes for brain-computer interfaces. An EEG you do not see?
      Physiological reports 3: e12362.
      http://www.ncbi.nlm.nih.gov/pubmed/25847919

17.   Bocci, T., et al. (2013).
      How does a surgeon's brain buzz? An EEG coherence study on the interaction between humans and robot.
      Behavioral and brain functions : BBF 9: 14.
      http://www.ncbi.nlm.nih.gov/pubmed/23607324

18.   Cavazza, M., et al. (2014).
      Towards emotional regulation through neurofeedback.
      Proceedings of the 5th Augmented Human International Conference, ACM**:** 42.
      http://www.researchgate.net/publication/260981509

BCI-related Publications using Brain Products Hard-/Software

19.   Cavazza, M., et al. (2014).
Integrating virtual agents in BCI neurofeedback systems.
Proceedings of the 2014 Virtual Reality International Conference, ACM**:** 25.
http://www.researchgate.net/publication/261416851

20.   Cecotti, H. (2015).
Toward shift invariant detection of event-related potentials in non-invasive brain-computer interface.
Pattern Recognition Letters.
http://www.sciencedirect.com/science/article/pii/S0167865515000410

21.   Chen, T.-S., et al. (2013).
Developments of Brain–Computer Interfaces for Controlling Robotic Wheelchairs.
Journal of Neuroscience and Neuroengineering **2**: 178-187.
http://www.ingentaconnect.com/content/asp/jnsne/2013/00000002/00000002/art00009

22.   Chennu, S., et al. (2013).
The cost of space independence in P300-BCI spellers.
J. Neuroeng. Rehabil 10.
http://www.ncbi.nlm.nih.gov/pubmed/23895406

23.   Chumerin, N., et al. (2013).
Steady-state visual evoked potential-based computer gaming on a consumer-grade eeg device.
Computational Intelligence and AI in Games, IEEE Transactions on 5: 100-110.
http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6334432

24.   Cincotti, F., et al.
High-resolution EEG techniques for brain-computer interface applications
Journal of neuroscience methods, 2008. 167: p. 31-42
http://www.ncbi.nlm.nih.gov/pubmed/17706292

25.   Cincotti, F., et al.
Non-invasive brain-computer interface system: towards its application as assistive technology
Brain research bulletin, 2008. 75: p. 796-803
http://www.ncbi.nlm.nih.gov/pubmed/18394526

26.   De Massari, D., et al.
Brain-computer interface and semantic classical conditioning of communication in paralysis
Biological psychology, 2013. 92: p. 267-74
http://www.ncbi.nlm.nih.gov/pubmed/23153708

27.   De Massari, D., et al. (2014).
Fast mental states decoding in mixed reality.
Frontiers in behavioral neuroscience 8.
http://www.ncbi.nlm.nih.gov/pubmed/25505878

28.   De Massari, D., et al. (2013).
Brain communication in the locked-in state.
Brain : a journal of neurology 136: 1989-2000.
http://www.ncbi.nlm.nih.gov/pubmed/23625062

BCI-related Publications using Brain Products Hard-/Software

29. De Vos, M., et al. (2014).
     P300 speller BCI with a mobile EEG system: comparison to a traditional amplifier.
     Journal of neural engineering 11: 36008.
     http://www.ncbi.nlm.nih.gov/pubmed/24763067

30. De Vos, M., et al.
     Let's face it, from trial to trial: comparing procedures for N170 single-trial estimation
     NeuroImage, 2012. 63: p. 1196-202
     http://www.ncbi.nlm.nih.gov/pubmed/22877577

31. Ehrlich, S., et al. (2014).
     When to engage in interaction—And how? EEG-based enhancement of robot's ability to sense social signals in HRI.
     Humanoid Robots (Humanoids), 2014 14th IEEE-RAS International Conference on, IEEE**: 1104-1109.
     http://mediatum.ub.tum.de/doc/1244230/287369538475.pdf

32. Ehrlich, S. K., Cheng, G. (2018).
     Human-agent co-adaptation using error-related potentials.
     Journal of neural engineering, 15(6), 066014.
     http://iopscience.iop.org/article/10.1088/1741-2552/aae069/meta

33. Ehrlich, S. K., Cheng, G. (2018).
     A Feasibility Study for Validating Robot Actions Using EEG-Based Error-Related Potentials.
     International Journal of Social Robotics, 1-13.
     https://link.springer.com/article/10.1007%2Fs12369-018-0501-8

34. Enriquez-Geppert, S., et al. (2014).
     Self-regulation of frontal-midline theta facilitates memory updating and mental set shifting.
     Frontiers in behavioral neuroscience 8.
     http://www.ncbi.nlm.nih.gov/pubmed/25538585

35. Enriquez-Geppert, S., et al. (2014).
     Modulation of frontal-midline theta by neurofeedback.
     Biological psychology 95: 59-69.
     http://www.ncbi.nlm.nih.gov/pubmed/23499994

36. Enriquez-Geppert, S., et al.
     Modulation of frontal-midline theta by neurofeedback
     Biological psychology, 2013. null
     http://www.ncbi.nlm.nih.gov/pubmed/23499994

37. Fazli, S., et al.
     Using Rest Class and Control Paradigms for Brain Computer Interfacing
     Bio-Inspired Systems: Computational and Ambient Intelligence Lecture Notes in Computer Science, 2009
     5517: p. 651-665
     http://dl.acm.org/citation.cfm?id=1573003

BRAIN PRODUCTS
Solutions for neurophysiological research

BCI-related Publications using Brain Products Hard-/Software

38.   Fazli, S., et al.
       Enhanced performance by a hybrid NIRS-EEG brain computer interface
       NeuroImage, 2012. 59: p. 519-29
       http://www.ncbi.nlm.nih.gov/pubmed/21840399

39.   Folgheraiter, M., et al.
       Measuring the Improvement of the Interaction Comfort of a Wearable Exoskeleton
       International Journal of Social Robotics, 2012. 4: p. 285-302
       http://link.springer.com/content/pdf/10.1007%2Fs12369-012-0147-x.pdf

40.   Furdea, A., et al.
       A new (semantic) reflexive brain-computer interface: in search for a suitable classifier
       Journal of neuroscience methods, 2012. 203: p. 233-40
       http://www.ncbi.nlm.nih.gov/pubmed/21963400

41.   Gallegos-Ayala, G., et al. (2014).
       Brain communication in a completely locked-in patient using bedside near-infrared spectroscopy.
       Neurology 82: 1930-1932.
       http://www.ncbi.nlm.nih.gov/pubmed/24789862

42.   Genari, C. M., et al. (2013).
       Perception of BCI assistive technology by post-ischemic stroke patients.
       Biosignals and Biorobotics Conference (BRC), 2013 ISSNIP, IEEE: 1-5.
       http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6487532

43.   Gevensleben, H., et al. (2014).
       Neurofeedback of slow cortical potentials: neural mechanisms and feasibility of a placebo-controlled design in healthy adults.
       Frontiers in human neuroscience 8.
       http://www.ncbi.nlm.nih.gov/pubmed/25566020

44.   Gevensleben, H., et al.
       Distinct EEG effects related to neurofeedback training in children with ADHD: a randomized controlled trial
       International journal of psychophysiology : official journal of the International Organization of Psychophysiology, 2009. 74: p. 149-57
       http://www.ncbi.nlm.nih.gov/pubmed/19712709

45.   Gharabaghi, A., et al. (2014).
       Coupling brain-machine interfaces with cortical stimulation for brain-state dependent stimulation: enhancing motor cortex excitability for neurorehabilitation.
       Frontiers in human neuroscience 8.
       http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3942791/

46.   Gilroy, S. W., et al. (2013).
       A brain-computer interface to a plan-based narrative.
       Proceedings of the Twenty-Third international joint conference on Artificial Intelligence, AAAI Press: 1997-2005.
       http://ijcai.org/papers13/Papers/IJCAI13-295.pdf

BCI-related Publications using Brain Products Hard-/Software

47. Gomez-Rodriguez, M., et al.
     Closing the sensorimotor loop: haptic feedback facilitates decoding of motor imagery
     Journal of neural engineering, 2011. 8: p. 036005
     http://www.ncbi.nlm.nih.gov/pubmed/21474878

48. Grosse-Wentrup, M. and B. Schölkopf
     High gamma-power predicts performance in sensorimotor-rhythm brain-computer interfaces
     Journal of neural engineering, 2012. 9: p. 046001
     http://iopscience.iop.org/1741-2552/9/4/046001

49. Grosse-Wentrup, M. and B. Schölkopf (2014).
     A brain–computer interface based on self-regulation of gamma-oscillations in the superior parietal cortex.
     Journal of neural engineering 11: 56015.
     http://mlin.kyb.tuebingen.mpg.de/Grosse-WentrupJNE2014.pdf

50. Grosse-Wentrup, M., B. Schölkopf, and J. Hill
     Causal influence of gamma oscillations on the sensorimotor rhythm
     NeuroImage, 2011. 56: p. 837-42
     http://www.ncbi.nlm.nih.gov/pubmed/20451626

51. Grozea, C., et al. (2009).
     Performance of novel dry electrode EEG cap for evoked potential and band-power activity detection. World
     Congress on Medical Physics and Biomedical Engineering, September 7-12, 2009, Munich, Germany, Springer: 510-513.
     http://link.springer.com/chapter/10.1007%2F978-3-642-03889-1_135

52. Grozea, C., C.D. Voinescu, and S. Fazli
     Bristle-sensors--low-cost flexible passive dry EEG electrodes for neurofeedback and BCI applications
     Journal of neural engineering, 2011. 8: p. 025008
     http://www.ncbi.nlm.nih.gov/pubmed/21436526

53. Hahn, T., et al. (2015).
     How to trust a perfect stranger: predicting initial trust behavior from resting-state brain-electrical connectivity.
     Social cognitive and affective neuroscience 10: 809-813.
     http://www.ncbi.nlm.nih.gov/pubmed/25274577

54. Halder, S., et al.
     Neural mechanisms of brain-computer interface control
     NeuroImage, 2011. 55: p. 1779-90
     http://www.ncbi.nlm.nih.gov/pubmed/21256234

55. Halder, S., et al.
     Prediction of auditory and visual p300 brain-computer interface aptitude
     PLoS ONE, 2013. 8: p. e53513
     http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0053513

BCI-related Publications using Brain Products Hard-/Software

56.	Halder, S., et al.
	An auditory oddball brain-computer interface for binary choices
	Clinical neurophysiology : official journal of the International Federation of Clinical Neurophysiology, 2010.
	121: p. 516-23
	http://www.ncbi.nlm.nih.gov/pubmed/20093075

57.	Hammer, E.M., et al.
	Psychological predictors of SMR-BCI performance
	Biological psychology, 2012. 89: p. 80-6
	http://www.ncbi.nlm.nih.gov/pubmed/21964375

58.	Hanslmayr, S., et al.
	Prestimulus oscillations predict visual perception performance between and within subjects
	NeuroImage, 2007. 37: p. 1465-73
	http://www.ncbi.nlm.nih.gov/pubmed/17706433

59.	Haufe, S., et al. (2014).
	Electrophysiology-based detection of emergency braking intention in real-world driving.
	Journal of neural engineering 11: 056011.
	http://iopscience.iop.org/1741-2552/11/5/056011/article

60.	Heger, D., et al.
	Filling a glass of water: continuously decoding the speed of 3D hand movements from EEG signals
	Conference proceedings : ... Annual International Conference of the IEEE Engineering in Medicine and Biology Society.
	IEEE Engineering in Medicine and Biology Society. Conference, 2012. 2012: p. 4095-8
	http://www.ncbi.nlm.nih.gov/pubmed/23366828

61.	Heinrich, H., et al. (2014).
	EEG spectral analysis of attention in ADHD: implications for neurofeedback training?
	Frontiers in human neuroscience 8: 611.
	http://www.ncbi.nlm.nih.gov/pubmed/25191248

62.	Hill, N.J. and B. Schölkopf
	An online brain-computer interface based on shifting attention to concurrent streams of auditory stimuli
	Journal of neural engineering, 2012. 9: p. 026011
	http://www.ncbi.nlm.nih.gov/pubmed/22333135

63.	Hinterberger, T., et al.
	Brain-computer communication and slow cortical potentials
	IEEE transactions on bio-medical engineering, 2004. 51: p. 1011-8
	http://www.ncbi.nlm.nih.gov/pubmed/15188872

64.	Höhne, J. and M. Tangermann (2014).
	Towards user-friendly spelling with an auditory brain-computer interface: the CharStreamer paradigm.
	PloS one 9: e98322.
	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4041754/

BCI-related Publications using Brain Products Hard-/Software

65.   Höhne, J., et al.
       Natural stimuli improve auditory BCIs with respect to ergonomics and performance
       Journal of neural engineering, 2012. 9: p. 045003
       http://www.ncbi.nlm.nih.gov/pubmed/22831919

66.   Höhne, J., et al.
       A novel 9-class auditory ERP paradigm driving a predictive text entry system
       Frontiers in Neuroscience, 2011. 5
       http://www.ncbi.nlm.nih.gov/pubmed/21909321

67.   Huang, G., et al.
       Model based generalization analysis of common spatial pattern in brain computer interfaces
       Cognitive neurodynamics, 2010. 4: p. 217-23
       http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2918755/

68.   Höller, Y., et al. (2013).
       Real movement vs. motor imagery in healthy subjects.
       International Journal of Psychophysiology 87: 35-41.
       http://www.ncbi.nlm.nih.gov/pubmed/23123181

69.   Huster, R. J., et al. (2014).
       Brain–computer interfaces for EEG neurofeedback: Peculiarities and solutions.
       International Journal of Psychophysiology 91: 36-45.
       http://www.pubfacts.com/detail/24012908

70.   Ibanez, J., et al. (2014).
       Upper-limb muscular electrical stimulation driven by EEG-based detections of the intentions to move: A proposed intervention for patients with stroke.
       Engineering in Medicine and Biology Society (EMBC), 2014 36th Annual International Conference of the IEEE, IEEE: 1646-1649.
       http://www.ncbi.nlm.nih.gov/pubmed/25570289

71.   Ihme, K. and T. Zander
       What You Expect Is What You Get? Potential Use of Contingent Negative Variation for Passive BCI Systems in Gaze-Based HCI
       in Affective Computing and Intelligent Interaction SE - 57, S. D'Mello, et al.
       Editors. 2011, Springer Berlin Heidelberg. p. 447-456
       http://link.springer.com/content/pdf/10.1007%2F978-3-642-24571-8_57.pdf

72.   Iscan, Z. and Z. Dokur (2015).
       Classification of steady state visual evoked potentials by Multi-Class T-Weight Method.
       Pattern Recognition and Image Analysis 25: 321-326.
       http://link.springer.com/article/10.1134%2FS1054661815020121

73.   İşcan, Z. and Z. Dokur (2014).
       A novel steady-state visually evoked potential-based brain–computer interface design: character plotter.
       Biomedical Signal Processing and Control 10: 145-152.
       http://www.sciencedirect.com/science/article/pii/S1746809413001742

BRAIN PRODUCTS
Solutions for neurophysiological research

BCI-related Publications using Brain Products Hard-/Software

74.   Itai, A. and A. Funase (2013).
       Spectrum Intensity Ratio and Thresholding Based SSVEP Detection.
       Neural Information Processing, Springer**:** 433-440.
       http://embc.embs.org/files/2013/3252_FI.pdf

75.   Jiang, J., et al. (2013).
       Brain-actuated humanoid robot control using one class motor imagery task.
       Chinese Automation Congress (CAC), 2013, IEEE**:** 587-590.
       http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6775803

76.   Jiang, J., et al. (2013).
       A Novel Multi-class Brain-Computer Interface (BCI) Paradigm Based on Motor Imagery Sequential Coding (MISC) Protocol.
       Intelligence Science and Big Data Engineering, Springer**:** 295-302.
       http://link.springer.com/chapter/10.1007/978-3-642-42057-3_38

77.   Jiang, J., et al. (2014).
       Hybrid Brain-Computer Interface (BCI) based on the EEG and EOG signals.
       Bio-medical materials and engineering 24.
       http://www.ncbi.nlm.nih.gov/pubmed/25226998

78.   Kasahara, K., et al. (2015).
       Neuroanatomical correlates of brain–computer interface performance.
       NeuroImage 110: 95-100.
       http://www.ncbi.nlm.nih.gov/pubmed/25659465

79.   Käthner, I., et al.
       A portable auditory P300 brain-computer interface with directional cues
       Clinical neurophysiology : official journal of the International Federation of Clinical Neurophysiology, 2013.
       124: p. 327-38
       http://www.ncbi.nlm.nih.gov/pubmed/22959257

80.   Kim, B. J., et al. (2015).
       Intention analysis based on brain signal for participation induction during rehabilitation.
       Brain-Computer Interface (BCI), 2015 3rd International Winter Conference on, IEEE**:** 1-2.
       http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=7073040

81.   Kim, H.-C. and J.-H. Lee (2015).
       Desynchronization of the mu oscillatory activity during motor imagery: A preliminary EEG-fMRI study.
       Brain-Computer Interface (BCI), 2015 3rd International Winter Conference on, IEEE**:** 1-2.
       http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=7073036

82.   Kim, J.-H., et al. (2014).
       Reconstruction of hand movements from EEG signals based on non-linear regression.
       Brain-Computer Interface (BCI), 2014 International Winter Workshop on, IEEE**:** 1-3.
       http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6782572

BRAIN PRODUCTS
Solutions for neurophysiological research

BCI-related Publications using Brain Products Hard-/Software

83. Kim, J. J., et al. (2013).
The effect of stimulus type and distance on neural control of a smart TV.
Neural Engineering (NER), 2013 6th International IEEE/EMBS Conference on, IEEE: 1343-1345.
http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6696190

84. Kim, J.-W., et al. (2014).
Brain-computer interface for smart vehicle: Detection of braking intention during simulated driving.
Brain-Computer Interface (BCI), 2014 International Winter Workshop on, IEEE: 1-3.
http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6782549

85. Kim, K.-T. and S.-W. Lee (2014).
Steady-state somatosensory evoked potentials for brain-controlled wheelchair.
Brain-Computer Interface (BCI), 2014 International Winter Workshop on, IEEE: 1-2.
http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6782570

86. Kim, M., et al. (2013).
Toward realistic implementation of Brain-Computer Interface for TV channel control.
Consumer Electronics (GCCE), 2013 IEEE 2nd Global Conference on, IEEE: 394-396.
http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6664868

87. Kindermans, P.-J., et al. (2014).
True zero-training brain-computer interfacing--an online study.
PloS one 9: e102504.
http://www.ncbi.nlm.nih.gov/pubmed/25068464

88. Kinreich, S., et al. (2014).
Neural dynamics necessary and sufficient for transition into pre-sleep induced by EEG NeuroFeedback.
NeuroImage 97: 19-28.
http://www.ncbi.nlm.nih.gov/pubmed/24768931

89. Kirchner, E. A., et al. (2013).
On the applicability of brain reading for predictive human-machine interfaces in robotics.
PloS one 8: e81732.
http://www.ncbi.nlm.nih.gov/pubmed/24358125

90. Kleih, S. C. and A. Kübler (2013).
Empathy, motivation, and P300 BCI performance.
Frontiers in human neuroscience 7: 642.
http://www.ncbi.nlm.nih.gov/pubmed/24146640

91. Kober, S. E., et al. (2013).
Learning to modulate one's own brain activity: the effect of spontaneous mental strategies.
Frontiers in human neuroscience 7.
http://www.ncbi.nlm.nih.gov/pubmed/24151462

92. Kwak, N.-S., et al. (2014).
Toward exoskeleton control based on steady state visual evoked potentials.
Brain-Computer Interface (BCI), 2014 International Winter Workshop on, IEEE: 1-2.
http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6782571

BRAIN PRODUCTS
Solutions for neurophysiological research

BCI-related Publications using Brain Products Hard-/Software

93. Lechinger, J., et al.
Mirroring of a simple motor behavior in disorders of consciousness
Clinical neurophysiology : official journal of the International Federation of Clinical Neurophysiology, 2013. 124: p. 27-34
http://www.ncbi.nlm.nih.gov/pubmed/22721652

94. Lee, M.-H., et al. (2014).
Hybrid brain-computer interface based on EEG and NIRS modalities.
Brain-Computer Interface (BCI), 2014 International Winter Workshop on, IEEE**:** 1-2.
http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6782577

95. Lee, M.-H., et al. (2015).
Subject-dependent classification for robust idle state detection using multi-modal neuroimaging and data-fusion techniques in BCI.
Pattern Recognition 48: 2725-2737.
http://www.sciencedirect.com/science/article/pii/S0031320315000990

96. Lesenfants, D., et al. (2014).
An independent SSVEP-based brain–computer interface in locked-in syndrome.
Journal of neural engineering 11: 35002.
http://www.ncbi.nlm.nih.gov/pubmed/24838215

97. Liechti, M.D., et al.
First clinical trial of tomographic neurofeedback in attention-deficit/hyperactivity disorder: evaluation of voluntary cortical control
Clinical neurophysiology : official journal of the International Federation of Clinical Neurophysiology, 2012.
123: p. 1989-2005
http://www.ncbi.nlm.nih.gov/pubmed/22608481

98. Liu, Y., Z. Zhou, and D. Hu
Gaze independent brain-computer speller with covert visual search tasks
Clinical neurophysiology : official journal of the International Federation of Clinical Neurophysiology, 2011.
122: p. 1127-36
http://www.ncbi.nlm.nih.gov/pubmed/21163695

99. Logar, V. and A. Belič
Brain-computer interface analysis of a dynamic visuo-motor task
Artificial intelligence in medicine, 2011. 51: p. 43-51
http://www.ncbi.nlm.nih.gov/pubmed/21112747

100. Lorenz, R., et al. (2014).
Towards a holistic assessment of the user experience with hybrid BCIs.
Journal of neural engineering 11: 35007.
http://www.ncbi.nlm.nih.gov/pubmed/24835132

101. Maby, E., et al.
BCI Could Make Old Two-Player Games Even More Fun: A Proof of Concept with "Connect Four"
Advances in Human-Computer Interaction, 2012: p. Volume 2012 (2012), Article ID 124728, 8 pages
http://www.hindawi.com/journals/ahci/2012/124728/

BCI-related Publications using Brain Products Hard-/Software

102.   Manyakov, N. V., et al. (2013).
Multilayer Feedforward Neural Network with Multi-Valued Neurons for Brain-Computer Interfacing.
The IEEE Press Series on Computational Intelligence.
http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6515291

103.   Manyakov, N. V., et al. (2013).
Sampled sinusoidal stimulation profile and multichannel fuzzy logic classification for monitor-based phase-coded SSVEP brain–computer interfacing.
Journal of neural engineering 10: 36011.
http://www.ncbi.nlm.nih.gov/pubmed/23594762

104.   Martens, S.M.M.M.M., et al.
A graphical model framework for decoding in the visual ERP-based BCI speller
Neural computation, 2011. 23: p. 160-82
http://www.ncbi.nlm.nih.gov/pubmed/20964540

105.   Maurizio, S., et al. (2013).
Differential EMG biofeedback for children with ADHD: a control method for neurofeedback training with a case illustration.
Applied psychophysiology and biofeedback 38: 109-119.
http://www.ncbi.nlm.nih.gov/pubmed/23564206

106.   Mayeli, A., et al. (2015).
An automatic ICA-based method for removing artifacts from EEG data acquired during fMRI in real time.
Biomedical Engineering Conference (NEBEC), 2015 41st Annual Northeast, IEEE**:** 1-2.
http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7117056

107.   Menendez, R.G.d.P., et al.
Modern electrophysiological methods for brain-computer interfaces
Computational intelligence and neuroscience, 2007: p. 56986
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2233873/

108.   Meyer, T., et al. (2013).
Investigating the Neural Basis of Brain-Computer Interface (BCI)-based Stroke Rehabilitation.
Converging Clinical and Engineering Research on Neurorehabilitation, Springer**:** 617-621.
http://link.springer.com/chapter/10.1007%2F978-3-642-34546-3_100

109.   Meyer, T., et al. (2014).
Predicting motor learning performance from Electroencephalographic data.
Journal of neuroengineering and rehabilitation 11.
http://www.jneuroengrehab.com/content/11/1/24

110.   Mori, H., et al. (2014).
Tactile and bone-conduction auditory brain computer interface for vision and hearing impaired users—Stimulus pattern and BCI accuracy improvement.
Asia-Pacific Signal and Information Processing Association, 2014 Annual Summit and Conference (APSIPA), IEEE**:** 1-7.
http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=7041759

BCI-related Publications using Brain Products Hard-/Software

111.   Murguialday, A.R., et al.
        Transition from the locked in to the completely locked-in state: a physiological analysis
        Clinical neurophysiology : official journal of the International Federation of Clinical Neurophysiology, 2011.
        122: p. 925-33
        http://www.ncbi.nlm.nih.gov/pubmed/20888292

112.   Murphy, B., et al.
        EEG decoding of semantic category reveals distributed representations for single concepts
        Brain and language, 2011. 117: p. 12-22
        http://www.ncbi.nlm.nih.gov/pubmed/21300399

113.   Niazi, I.K., et al.
        Detection of movement-related cortical potentials based on subject-independent training
        Medical & biological engineering & computing, 2013
        http://www.ncbi.nlm.nih.gov/pubmed/23283643

114.   Nikulin, V.V., et al.
        Quasi-movements: a novel motor-cognitive phenomenon
        Neuropsychologia, 2008. 46: p. 727-42
        http://www.ncbi.nlm.nih.gov/pubmed/18035381

115.   Onose, G., et al.
        ***On the feasibility of using motor imagery EEG-based brain-computer interface in chronic tetraplegics
        for assistive robotic arm control: a clinical test and long-term post-trial follow-up***
        Spinal cord, 2012. 50: p. 599-608
        http://www.ncbi.nlm.nih.gov/pubmed/22410845

116.   Park, C., et al. (2013).
        Classification of motor imagery BCI using multivariate empirical mode decomposition.
        Neural Systems and Rehabilitation Engineering, IEEE Transactions on 21: 10-22.
        http://www.ncbi.nlm.nih.gov/pubmed/23204288

117.   Park, H.-J., et al. (2015).
        Towards a smart TV control system based on steady-state visual evoked potential.
        Brain-Computer Interface (BCI), 2015 3rd International Winter Conference on, IEEE**: 1-2.
        http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7073039

118.   Peeters, F., et al. (2014).
        Neurofeedback as a treatment for major depressive disorder–a pilot study.
        PloS one 9: e91837.
        http://www.ncbi.nlm.nih.gov/pubmed/24642756

119.   Peeters, F., et al. (2014).
        Validation of a neurofeedback paradigm: manipulating frontal EEG alpha-activity and its impact on mood.
        International Journal of Psychophysiology 93: 116-120.
        http://www.ncbi.nlm.nih.gov/pubmed/23773999

BRAIN PRODUCTS
Solutions for neurophysiological research

BCI-related Publications using Brain Products Hard-/Software

120.   Pichiorri, F., et al. (2015).
         Brain–computer interface boosts motor imagery practice during stroke recovery.
         Annals of neurology 77: 851-865.
         http://www.ncbi.nlm.nih.gov/pubmed/25712802

121.   Pichiorri, F., et al.
         Sensorimotor rhythm-based brain-computer interface training: the impact on motor cortical responsiveness
         Journal of neural engineering, 2011. 8: p. 025020
         http://www.ncbi.nlm.nih.gov/pubmed/21436514

122.   Podlipsky, I., et al.
         Robust modeling based on optimized EEG bands for functional brain state inference
         Journal of neuroscience methods, 2012. 203: p. 377-85
         http://www.ncbi.nlm.nih.gov/pubmed/22044846

123.   Popescu, F., et al.
         Single Trial Classification of Motor Imagination Using 6 Dry EEG Electrodes
         PLoS ONE, 2007. 2: p. e637
         http://www.plosone.org/article/info:doi/10.1371/journal.pone.0000637

124.   Protzak, J., et al. (2013).
         A passive brain-computer interface for supporting gaze-based human-machine interaction.
         Universal Access in Human-Computer Interaction. Design Methods, Tools, and Interaction Techniques for eInclusion, Springer**:** 662-671.
         http://link.springer.com/chapter/10.1007%2F978-3-642-39188-0_71

125.   Rakshit, P., et al. (2013).
         Artificial bee colony based feature selection for motor imagery EEG data.
         Proceedings of Seventh International Conference on Bio-Inspired Computing: Theories and Applications (BIC-TA 2012), Springer**:** 127-138.
         http://link.springer.com/chapter/10.1007%2F978-81-322-1041-2_11

126.   Ramos-Murguialday, A. and N. Birbaumer (2015).
         Brain oscillatory signatures of motor tasks.
         Journal of neurophysiology 113: 3663-3682.
         http://www.ncbi.nlm.nih.gov/pubmed/25810484

127.   Ramos-Murguialday, A., et al.
         Proprioceptive Feedback and Brain Computer Interface (BCI) Based Neuroprostheses
         PLoS ONE, 2012. 7: p. e47048
         http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0047048

128.   Rao, R. P. N., et al. (2014).
         A direct brain-to-brain interface in humans.
         PloS one 9: e111332.
         http://www.ncbi.nlm.nih.gov/pubmed/25372285

BRAIN PRODUCTS
Solutions for neurophysiological research

BCI-related Publications using Brain Products Hard-/Software

129. Rea, M., et al. (2014).
Lower limb movement preparation in chronic stroke a pilot study toward an fNIRS-BCI for gait rehabilitation.
Neurorehabilitation and neural repair 28: 564-575.
http://www.ncbi.nlm.nih.gov/pubmed/24482298

130. Risetti, M., et al. (2013).
On ERPs detection in disorders of consciousness rehabilitation.
Frontiers in human neuroscience 7.
http://www.ncbi.nlm.nih.gov/pubmed/24312041

131. Rivet, B. and A. Souloumiac
Optimal linear spatial filters for event-related potentials based on a spatio-temporal model:
Asymptotical performance analysis
Signal Processing, 2013. 93: p. 387-398
http://dl.acm.org/citation.cfm?id=2388343

132. Roy, R. N., et al. (2013).
Mental fatigue and working memory load estimation: Interaction and implications for eeg-based passive bci.
Engineering in Medicine and Biology Society (EMBC), 2013 35th Annual International Conference of the IEEE, IEEE**:**
6607-6610.
http://www.ncbi.nlm.nih.gov/pubmed/24111257

133. Roy, R. N., et al. (2014).
Detection of mental fatigue using an active BCI inspired signal processing chain.
19th IFAC World Congress (IFAC WC 2014)**:** n-c.
http://www.nt.ntnu.no/users/skoge/prost/proceedings/ifac2014/media/files/0897.pdf

134. Ruf, C.A., et al.
Semantic classical conditioning and brain-computer interface control:
encoding of affirmative and negative thinking
Frontiers in Neuroscience, 2013. 7: p. 23
http://www.ncbi.nlm.nih.gov/pubmed/23471568

135. Salari, N., et al. (2014).
Neurofeedback training of gamma band oscillations improves perceptual processing.
Experimental brain research 232: 3353-3361.
http://www.ncbi.nlm.nih.gov/pubmed/24992898

136. Salari, N. and M. Rose (2013).
A Brain-Computer-Interface for the Detection and Modulation of Gamma Band Activity.
Brain sciences 3: 1569-1587.
http://www.mdpi.com/2076-3425/3/4/1569

137. Schaeff, S., et al.
Exploring motion VEPs for gaze-independent communication
Journal of neural engineering, 2012. 9: p. 045006
http://www.ncbi.nlm.nih.gov/pubmed/22832017

BCI-related Publications using Brain Products Hard-/Software

138. Schlattner, I., et al. (2015).
EEG-based neural decoding of Intelligence Questions.
Brain-Computer Interface (BCI), 2015 3rd International Winter Conference on, IEEE**:** 1-4.
http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7073025

139. Schmidt, N.M., B. Blankertz, and M.S. Treder
Online detection of error-related potentials boosts the performance of mental typewriters
BMC neuroscience, 2012. 13: p. 19
http://www.ncbi.nlm.nih.gov/pubmed/22336293

140. Schreuder, M., et al. (2013).
User-centered design in brain–computer interfaces—A case study.
Artificial intelligence in medicine 59: 71-80.
http://www.ncbi.nlm.nih.gov/pubmed/24076341

141. Schreuder, M., B. Blankertz, and M. Tangermann
A New Auditory Multi-Class Brain-Computer Interface Paradigm: Spatial Hearing as an Informative Cue
PLoS ONE, 2010. 5: p. e9813
http://www.plosone.org/article/info:doi/10.1371/journal.pone.0009813

142. Schreuder, M., T. Rost, and M. Tangermann
Listen, You are Writing! Speeding up Online Spelling with a Dynamic Auditory BCI
Frontiers in Neuroscience, 2011. 5: p. 112
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3192990/

143. Shetty, K., et al. (2013).
Automated Cognitive Load Detection with Electroencephalography: Towards Brain-Computer Interfacing in Robotic Surgery.
The Hamlyn Symposium on Medical Robotics**:** 65.
http://www.researchgate.net/publication/263774539

144. Shin, Y., et al. (2013).
Performance increase by using a EEG sparse representation based classification method.
Consumer Electronics (ICCE), 2013 IEEE International Conference on, IEEE**:** 201-203.
http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6486858

145. Simon, N., et al. (2014).
An auditory multiclass brain-computer interface with natural stimuli: Usability evaluation with healthy participants and a motor impaired end user.
Frontiers in human neuroscience 8.
http://www.ncbi.nlm.nih.gov/pubmed/25620924

146. Soekadar, S. R., et al. (2013).
Fragmentation of slow wave sleep after onset of complete locked-in state.
Journal of clinical sleep medicine: JCSM: official publication of the American Academy of Sleep Medicine 9: 951.
http://www.ncbi.nlm.nih.gov/pubmed/23997708

BCI-related Publications using Brain Products Hard-/Software

147. Soekadar, S. R., et al. (2014).
Learned EEG-based brain self-regulation of motor-related oscillations during application of transcranial electric brain stimulation: feasibility and limitations.
Frontiers in behavioral neuroscience 8.
http://www.ncbi.nlm.nih.gov/pubmed/24672456

148. Soriano, D., et al. (2013).
Music versus motor imagery for BCI systems a study using fMRI and EEG: Preliminary results.
Biosignals and Biorobotics Conference (BRC), 2013 ISSNIP, IEEE: 1-6.
http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6487494

149. Spüler, M., et al. (2014).
Decoding of motor intentions from epidural ECoG recordings in severely paralyzed chronic stroke patients.
Journal of neural engineering 11: 66008.
http://www.ncbi.nlm.nih.gov/pubmed/25358531

150. Steyrl, D., et al. (2013).
Single Trial Motor Imagery Classification in EEG Measured During FMRI Image Acquisition-A First Glance.
Biomedical Engineering/Biomedizinische Technik.
http://www.ncbi.nlm.nih.gov/pubmed/24043195

151. Studer, P., et al. (2014).
Slow cortical potential and theta/beta neurofeedback training in adults: effects on attentional processes and motor system excitability.
Frontiers in human neuroscience 8.
http://www.ncbi.nlm.nih.gov/pubmed/25104932

152. Suk, H.-I., et al. (2014).
Predicting BCI subject performance using probabilistic spatio-temporal filters.
PloS one 9.
http://www.ncbi.nlm.nih.gov/pubmed/24551050

153. Tangermann, M., et al.
Review of the BCI Competition IV
Frontiers in Neuroscience, 2012. 6: p. 55
http://www.ncbi.nlm.nih.gov/pubmed/22811657

154. Thurlings, M.E., et al.
Control-display mapping in brain-computer interfaces
Ergonomics, 2012. 55: p. 564-80
http://www.ncbi.nlm.nih.gov/pubmed/22506977

155. Tomita, Y., et al. (2014).
Bimodal BCI using simultaneously NIRS and EEG.
Biomedical Engineering, IEEE Transactions on 61: 1274-1284.
http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6714514

BCI-related Publications using Brain Products Hard-/Software

156.   Toppi, J., et al. (2014).
       Investigating the effects of a sensorimotor rhythm-based BCI training on the cortical activity elicited by mental imagery.
       Journal of neural engineering 11: 35010.
       http://www.ncbi.nlm.nih.gov/pubmed/24835634

157.   Treder, M. S., et al. (2010).
       Gaze-independent visual brain-computer interfaces.
       Proc. of the TOBI (tools for brain–computer interaction) Workshop II**:** 33-34.
       http://www.ncbi.nlm.nih.gov/pubmed/22831893

158.   Treder, M.S., et al.
       Brain-computer interfacing using modulations of alpha activity induced by covert shifts of attention
       Journal of neuroengineering and rehabilitation, 2011. 8: p. 24
       http://www.ncbi.nlm.nih.gov/pubmed/21672270

159.   Treder, M.S. and B. Blankertz
       (C)overt attention and visual speller design in an ERP-based brain-computer interface
       Behavioral and brain functions : BBF, 2010. 6: p. 28
       http://www.ncbi.nlm.nih.gov/pubmed/20509913

160.   von Carlowitz-Ghori, K., et al. (2015).
       Voluntary control of corticomuscular coherence through neurofeedback: A proof-of-principle study in healthy subjects.
       Neuroscience 290: 243-254.
       http://www.ncbi.nlm.nih.gov/pubmed/25596321

161.   Vukelić, M., et al. (2014).
       Lateralized alpha-band cortical networks regulate volitional modulation of beta-band sensorimotor oscillations.
       NeuroImage 87: 147-153.
       http://www.ncbi.nlm.nih.gov/pubmed/24121086

162.   Vukelić, M. and A. Gharabaghi (2015).
       Oscillatory entrainment of the motor cortical network during motor imagery is modulated by the feedback modality.
       NeuroImage 111: 1-11.
       http://www.ncbi.nlm.nih.gov/pubmed/25665968

163.   Vidaurre, C., et al.
       Co-adaptive calibration to improve BCI efficiency
       Journal of neural engineering, 2011. 8: p. 025009
       http://www.ncbi.nlm.nih.gov/pubmed/21436515

164.   Walter, A., et al.
       Coupling BCI and cortical stimulation for brain-state-dependent stimulation: methods for spectral estimation in the presence of stimulation after-effects
       Frontiers in neural circuits, 2012. 6: p. 87
       http://www.ncbi.nlm.nih.gov/pubmed/23162436

BCI-related Publications using Brain Products Hard-/Software

165.   Wangler, S., et al.
        Neurofeedback in children with ADHD: specific event-related potential findings of a randomized controlled trial
        Clinical neurophysiology : official journal of the International Federation of Clinical Neurophysiology, 2011.
        122: p. 942-50
        http://www.ncbi.nlm.nih.gov/pubmed/20843737

166.   Weiland, M. Z., et al. (2013).
        Real Time Research Methods Monitoring Air Traffic Controller Workload During Simulation Studies Using Electroencephalography (EEG).
        Proceedings of the Human Factors and Ergonomics Society Annual Meeting, SAGE Publications. **57:** 1615-1619.
        http://pro.sagepub.com/content/57/1/1615.abstract

167.   Witkowski, M., et al. (2014).
        Enhancing brain-machine interface (BMI) control of a hand exoskeleton using electrooculography (EOG).
        Journal of neuroengineering and rehabilitation 11: 165.
        http://www.jneuroengrehab.com/content/11/1/165

168.   Won, D.-O. and S.-W. Lee (2014).
        Frequency-wise optimal duty-cycle selection in steady state visual evoked potentials: A pilot study.
        Brain-Computer Interface (BCI), 2014 International Winter Workshop on, IEEE**:** 1-2.
        http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6782568

169.   Won, D.-O., et al. (2014).
        A BCI speller based on SSVEP using high frequency stimuli design.
        Systems, Man and Cybernetics (SMC), 2014 IEEE International Conference on, IEEE**:** 1068-1071.
        http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=6974055

170.   Woo, J.-S., et al. (2015).
        Classifying directions in continuous arm movement from EEG signals.
        Brain-Computer Interface (BCI), 2015 3rd International Winter Conference on, IEEE**:** 1-2.
        http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7073054

171.   Wu, W., et al.
        A hierarchical Bayesian approach for learning sparse spatio-temporal decompositions of multichannel EEG
        NeuroImage, 2011. 56: p. 1929-45
        http://www.ncbi.nlm.nih.gov/pubmed/21420499

172.   Xie, P., et al. (2013).
        Identification Method of Human Movement Intention based on the Fusion Feature of EEG and EMG.
        Proceedings of the World Congress on Engineering. 2.
        http://www.iaeng.org/publication/WCE2013/WCE2013_pp1340-1344.pdf

173.   Xu, P., et al. (2014).
        Using particle swarm to select frequency band and time interval for feature extraction of EEG based BCI.
        Biomedical Signal Processing and Control 10: 289-295.
        http://www.sciencedirect.com/science/article/pii/S1746809413001250

BCI-related Publications using Brain Products Hard-/Software

174. Yeh, W.-L., et al. (2013).
      A self produced mother wavelet feature extraction method for motor imagery brain-computer interface.
      Engineering in Medicine and Biology Society (EMBC), 2013 35th Annual International Conference of the IEEE, IEEE**:**
      4302-4305.
      http://www.ncbi.nlm.nih.gov/pubmed/24110684

175. Yeom, S.-K., et al. (2014).
      P300 visual speller based on random set presentation.
      Brain-Computer Interface (BCI), 2014 International Winter Workshop on, IEEE**:** 1-2.
      http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6782567

176. Yeom, S.-K., et al. (2014).
      An efficient ERP-based brain-computer interface using random set presentation and face familiarity.
      PloS one 9: e111157.
      http://www.ncbi.nlm.nih.gov/pubmed/25384045

177. Yeom, S.-K., et al. (2014).
      Towards an enhanced ERP speller based on the visual processing of face familiarity.
      Engineering in Medicine and Biology Society (EMBC), 2014 36th Annual International Conference of the IEEE, IEEE**:**
      1330-1333.
      http://www.ncbi.nlm.nih.gov/pubmed/25570213

178. Yin, E., et al. (2013).
      A Subarea-Location Joint Spelling Paradigm for the BCI Control.
      Intelligence Science and Big Data Engineering, Springer**:** 368-375.
      http://link.springer.com/chapter/10.1007%2F978-3-642-42057-3_47

179. Yin, E., et al. (2015).
      A Hybrid Brain-Computer Interface Based on the Fusion of P300 and SSVEP Scores.
      Neural Systems and Rehabilitation Engineering, IEEE Transactions on. PP: 1.
      http://www.ncbi.nlm.nih.gov/pubmed/25706721

180. Yin, E., et al. (2014).
      A speedy hybrid BCI spelling approach combining P300 and SSVEP.
      Biomedical Engineering, IEEE Transactions on 61: 473-483.
      http://www.ncbi.nlm.nih.gov/pubmed/24058009

181. Yin, E., et al.
      A novel hybrid BCI speller based on the incorporation of SSVEP into the P300 paradigm
      Journal of neural engineering, 2013. 10: p. 026012
      http://www.ncbi.nlm.nih.gov/pubmed/23429035

182. Yoshimura, N., et al.
      Reconstruction of flexor and extensor muscle activities from electroencephalography cortical currents
      NeuroImage, 2012. 59: p. 1324-37
      http://www.ncbi.nlm.nih.gov/pubmed/21945691

BRAIN PRODUCTS
Solutions for neurophysiological research

BCI-related Publications using Brain Products Hard-/Software

183.   Yuan, H., et al.
        Cortical imaging of event-related (de)synchronization during online control of brain-computer interface using minimum-norm estimates in frequency domain
        IEEE transactions on neural systems and rehabilitation engineering : a publication of the IEEE Engineering in Medicine and Biology Society, 2008. 16: p. 425-31
        http://www.ncbi.nlm.nih.gov/pubmed/18990646

184.   Zaehle, T., S. Rach, and C.S. Herrmann
        Transcranial Alternating Current Stimulation Enhances Individual Alpha Activity in Human EEG
        PLoS ONE, 2010. 5: p. e13766
        http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0013766

185.   Zander, T.O., et al.
        Combining Eye Gaze Input With a Brain–Computer Interface for Touchless Human–Computer Interaction
        International Journal of Human-Computer Interaction, 2010. 27: p. 38-51
        http://www.tandfonline.com/doi/abs/10.1080/10447318.2011.535752#.UYVam8prTbw

186.   Zander, T.O., et al.
        A Dry EEG-System for Scientific Research and Brain-Computer Interfaces
        Frontiers in Neuroscience, 2011. 5: p. 53
        http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3103872/

187.   Zhang, N., et al. (2014).
        A Novel Steady-State Visually Evoked Potential-Based Brain-Computer-Interface Paradigm to Steer a Humanoid Robot.
        Instrumentation and Measurement, Computer, Communication and Control (IMCCC), 2014 Fourth International Conference on, IEEE**:** 774-778.
        http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=6995134

188.   Zhang, Y., et al. (2013).
        Prediction of SSVEP-based BCI performance by the resting-state EEG network.
        Journal of neural engineering 10: 66017.
        http://www.ncbi.nlm.nih.gov/pubmed/24280591

189.   Zich, C., et al. (2015).
        Wireless EEG with individualized channel layout enables efficient motor imagery training.
        Clinical Neurophysiology 126: 698-710.
        http://www.ncbi.nlm.nih.gov/pubmed/25091344

190.   Zich, C., et al. (2014).
        Real-time artifact correction enables EEG based feedback inside the fMRI scanner.
        Proc 6th int brain–comput interface conf 2014**:** 25.
        http://www.researchgate.net/publication/268815614

191.   Zich, C., et al. (2015).
        Real-time EEG feedback during simultaneous EEG–fMRI identifies the cortical signature of motor imagery.
        NeuroImage 114: 438-447.
        http://www.ncbi.nlm.nih.gov/pubmed/25887263

BCI-related Publications using Brain Products Hard-/Software

192. Zoefel, B., R.J. Huster, and C.S. Herrmann
Neurofeedback training of the upper alpha frequency band in EEG improves cognitive performance
NeuroImage, 2011. 54: p. 1427-31
http://www.ncbi.nlm.nih.gov/pubmed/20850552

193. Zotev, V., et al. (2014).
Self-regulation of human brain activity using simultaneous real-time fMRI and EEG neurofeedback.
NeuroImage 85: 985-995.
http://arxiv.org/abs/1301.4689