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- 1) (JP1) N.Uzunoglu, **E.Ventouras**, C.Papageorgiou, A.Rabavilas, and C.Stefanis, "Inversion of Simulated Evoked Potentials to Charge Distribution Inside the Human Brain Using an Algebraic Reconstruction Technique", *IEEE Tr. on Medical Imaging*, vol.10, pp.479-484, **1991**. (IF: 3.942)
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- 4) (JP4) **E.Ventouras**, C.Papageorgiou, N.Uzunoglu, S.Koulouridis, A.Rabavilas, C. Stefanis, "Tikhonov Regularization Techniques in Simulated Brain Electrical Tomography", *Biotechnology and Biotechnological Equipment*, vol. 14(1), pp.95-99, **2000**. (IF: 1.059)
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- 7) (JP7) C.Papageorgiou, L.Lykouras, **E.Ventouras**, N.Uzunoglu, G.N.Christodoulou "Abnormal P300 in a case of delusional misidentification with coinciding Capgras and Frégoli symptoms", *Progress in Neuro-Psychopharmacology & Biological Psychiatry*, vol. 26, pp.805-810, **2002**. (IF: 4.187)
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- 9) (JP9) C.Papageorgiou, **E.Ventouras**, L.Lykouras, N.Uzunoglu and G.N.Christodoulou, "Psychophysiological evidence for altered information processing in Delusional Misidentification Syndromes", *Progress in Neuro-Pyschopharmacology & Biological Psychiatry*, vol. 27, pp.365-372, **2003**. (IF: 4.187)
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- 12) (JP12) C.Papageorgiou, I.Liappas, **E.Ventouras**, C.Nikolaou, E.Kitsonas, N.Uzunoglu and A.Rabavilas "Long-term abstinence syndrome in heroin addicts: indices of P300 alterations associated

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- 13) (JP13) I.Kandarakis, D.Cavouras, D.Nikolopoulos, A.Anastasiou, N.Dimitropoulos, N.Kalivas, **E.Ventouras**, I.Kalatzis, C.Nomicos, G.Panayiotakis, “Evaluation of ZnS:Cu phosphor as X-ray to light converter under mammographic conditions”, *Radiation Measurements*, vol.39, pp.263-275, **2005**. (IF: 1.442)
 - 14) (JP14) C.Papageorgiou, L.Lykouras, B.Alevizos, **E.Ventouras**, P.Mourtzouchou, N.Uzunoglu, G.N.Christodoulou, A.Rabavilas, “Psychophysiological differences in schizophrenics with and without delusional misidentification syndromes: a P300 Study”, *Progress in Neuro-Pyschopharmacology & Biological Psychiatry*, vol. 29, pp.593-601, **2005**. (IF: 4.187)
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 - 16) (JP16) I.Kalatzis, N.Piliouras, **E.Ventouras**, C.Papageorgiou, I.Liappas, C.Nikolaou, A.Rabavilas, and D.Cavouras, “Design and implementation of a multi-PNN structure for discriminating one-month abstinent heroin addicts from healthy controls using the P600 component of ERP signals”, *Pattern Recognition Letters*, vol. 26, pp.1691-1700, **2005**. (IF: 1.995)
 - 17) (JP17) I.S.Karanasiou, C.Papageorgiou, E.I.Tsianaka, G.K.Matsopoulos, **E.M.Ventouras**, N.K.Uzunoglu, “Behavioral and brain pattern differences between acting and observing in an auditory task”, *Behavioral and Brain Functions*, vol.5:5, **2009**. (IF: 2.207)
 - 18) (JP18) C.E.Vasios, **E.M.Ventouras**, G.K.Matsopoulos, I.Karanasiou, P.Avestas, N.K.Uzunoglu, H.T.Van Schie, E.R.A.de Bruijn, “Classification of Event-Related Potentials Associated with Response Errors in Actors and Observers Based on Autoregressive Modeling”, *The Open Medical Informatics Journal*, vol. 3, pp. 32-43, **2009**.
 - 19) (JP19) **E.Ventouras**, D.Triantis, P.Tsiakas, C.Stergiopoulos, “Comparison of examination methods based on multiple-choice questions and constructed-response questions using personal computers”, *Computers and Education*, vol. 54, pp. 455-461, **2010**. (IF: 3.819)
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- 29) (JP29) A.I.Korda, P.A.Asvestas, G.K.Matsopoulos, **E.M.Ventouras**, and N.P.Smyrnis, “Automatic identification of oculomotor behavior using pattern recognition techniques,” *Computers in Biology and Medicine*, vol. 60, pp. 151-162, **2015**. (IF: 1.836)
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- 34) (JP34) A.I.Korda, G.Giannakakis, **E.Ventouras**, P.A.Asvestas, N.Smyrnis, K.Marias, G.K.Matsopoulos, “Recognition of Blinks Activity Patterns During Stress Conditions Using CNN and Markovian Analysis”, *Signals*, vol.2, pp.55-71, **2021**.
- 35) (JP35) I.Zorzos, I.Kakkos, **E.M.Ventouras**, G.K.Matsopoulos, “Advances in Electrical Source Imaging: A Review of the Current Approaches, Applications and Challenges”, *Signals*, vol.2, pp.378-391, **2021**.

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