

Lista de Lucrări

Andrei Barborică

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Articole publicate în reviste indexate ISI

1. Maliia MD, Donos C, Barborica A, Mindruta I, Popa I, Ene M, Beniczky S (2016). *High frequency spectral changes induced by single-pulse electric stimulation: comparison between physiologic and pathologic networks*. Clin Neurophysiol 2016, Dec 28. In press. doi:10.1016/j.clinph.2016.12.016.
2. Donos C, Mîndruță I, Măliia MD, Mîndruță I, Rașină A, Ciurea J, Barborica A. *Co-occurrence of high-frequency oscillations and delayed responses evoked by intracranial electrical stimulation in SEEG studies*, Accepted in Clin Neurophysiol 2016, Dec 17. In press. doi:10.1016/j.clinph.2016.11.028
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5. Trebault L, Rudrauf D, Job AS, Măliia MD, Popa I, Barborica A, Minotti L, Mîndruță I, Kahane P, David O. *Stimulation artifact correction method for estimation of early cortico-cortical evoked potentials*. J Neurosci Methods. 2016 May 1;**264**:94-102.
6. Donos C, Măliia MD, Mîndruță I, Popa I, Ene M, Bălănescu B, Ciurea A, Barborica A. *A connectomics approach combining structural and effective connectivity assessed by intracranial electrical stimulation*. Neuroimage. 2016 Feb 24;**132**:344-358.
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10. Balanescu B, Franklin R, Ciurea J, Mindruta I, Rasina A, Bobulescu RC, Donos C, Barborica A. *A personalized stereotactic fixture for implantation of depth electrodes in stereoelectroencephalography*. Stereotact Funct Neurosurg. 2014; **92**(2):117-25.
11. Toleikis JR, Metman LV, Pilitsis JG, Barborica A, Toleikis SC, Bakay RA. *Effect of intraoperative subthalamic nucleus DBS on human single-unit activity in the ipsilateral and contralateral subthalamic nucleus*. J Neurosurg. 2012 May;**116**(5):1134-43.
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Donos C, Barborica A, Mîndruță I, Măliia MD, Popa I, Ciurea J. Connectomics in Patients with Temporal Lobe Epilepsy. In: The Physics of the Mind and Brain Disorders - Integrated Neural Circuits Supporting the Emergence of Mind. Opris I, Casanova MF eds. Springer Netherlands. 2017 – in press

Ciurea A, Mîndruta I, Maliia MD, Ciurea A, Ciurea J, Barborica A, Donos C, Casanova MF, Opris I, Modular signatures and neural avalanches in epileptic brain networks In: Recent Advances in the Modular Organization of the Cerebral Cortex. Casanova MF, Opris I, eds. Springer Netherlands, Dordrecht, 2015, ISBN 978-94-017-9900-3.

Andrei Barborica, *Principles and Systems for Physiological Measurements*, Bucharest University Press, Bucharest, 2000, ISBN 973-575-426-6 (in Romanian). Original title in Romanian: *Principii și sisteme de masurare a marimilor fiziologice*, Editura Universității din București, București, 2000.

Razvan C. Bobulescu, Andrei Barborica, *Introduction to Electronics*, Bucharest University Press, Bucharest, 2002, ISBN 973-575-641-2

Brevete de Invenție

Chiriac H, Moga V, Eperjessy G, Urse M, Tupilatu M, Moga A E, Rusu V F, Barborica A, Dimitriu B I, Tudose C I, Dumitrascu G. Process control pressure gauge with two amplifiers|comprises monoblock based transducer, display and temperature sensor assembly. Patent Number: RO111877-B

Barborica A; Constantin C; Ribco L. Biostimulation skin electrothermal sensor matrix type transducer|consists of manganese and cobalt heat resistant oxide sheets with thin layer NiCr contactors on silica insulation. Patent Number: RO104300-A