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### Publikacje za 2018 r:

1. **L. Bieniasz** - "Highly accurate, inexpensive procedures for computing chronoamperometric current, integral transformation kernel, and related integrals, for an inlaid disk electrode", *Electrochim. Acta* 259 (2018) 1068 (30 punktów)
2. **L. Bieniasz** - " Highly accurate, efficient, and automatic computation of reversible cyclic voltammograms, using double exponential formulas for numerical integration" , *J. Electroanal. Chem.* 808 (2018) 195 (30 punktów)
3. **L. Bieniasz** - "A New Theory and Automatic Computation of Reversible Cyclic Voltammograms at an Inlaid Disk Electrode" , *Electrochim. Acta*, 264 (2018) 410. (40 punktów)
4. **L. Bieniasz, D. Barnaś** - "Utility of super-time-stepping for electroanalytical digital simulations by explicit finite difference methods. Part 1: Spatially one-dimensional models" , *J. Electroanal. Chem.* 815 (2018) 210. )(30 punktów)
5. **D. Żelasko** – "Ensuring the QoS in computer networks through the use of the Pay&Require multi-agent system and electronic auctions" (13 punktów, lista B, *Czasopismo Techniczne*)
6. **K. Smelcerz; P. Poznański; M. Michalek** - "Cosmic Ray Extremely Distributed Observatory: a global network of detectors to probe contemporary physics mysteries" - volume 11 (2018) of *Acta Physica Polonica B Proceedings Supplement.* (20 punktów)
7. **K. Smelcerz; P. Poznański; M. Michalek** - "Search for Extensive Photon Cascades with the Cosmic-Ray Extremely Distributed Observatory" , P. Homola, et al. (CREDO Collab.), . *PHOTON 2017, CERN Proceedings* (submitted), 2018 [arXiv:1804.05614] (w druku)
8. **K. Smelcerz; P. Poznański; M. Michalek** - "Cosmic-Ray Extremely Distributed Observatory: a global cosmic ray detection framework" , O. Sushchov, et al. (CREDO Collab.), *Advances in Astronomy and Space Physics* (submitted) [arXiv:1709.05230]. (w druku)
9. **P. Plawiak** – "Novel Methodology of Cardiac Health Recognition Based on ECG Signals and Evolutionary-Neural System"; Elsevier, *Expert Systems With Applications*; 92: 334-349; 2018 (35 punktów)
10. **P. Plawiak** – "Novel Genetic Ensembles of Classifiers Applied to Myocardium Dysfunction Recognition Based on ECG Signals"; Elsevier, *Swarm and Evolutionary Computation*; 39: 192-208; 2018 (50 punktów)
11. **P. Plawiak** – "Arrhythmia detection using deep convolutional neural network with long duration ECG signals"; Elsevier, *Computers in Biology and Medicine; Special Issue*; In Press; 2018 (25 punktów)
12. **J. Leśkow** – "Time average estimation in the fraction-of-time probability framework" *Signal Processing*, 153, 2018, pp 275-290. ( 35punktów)
13. **Z. Tabor R.A.Kycia, A. Woszczyzna, M. Tulik, D. Kabat, Z. Latała**:- "A framework for calibration of on-board imagers of medical linear accelerators", *Physica Medica* 2018, 47: 80-85. (30 punktów)

14. **Z. Tabor** R.A.Kycia, A.Woszczyna, M.Tulik, D.Kabat, Z.Latała – „A framework for on-line calibration of LINAC devices”, *Advances in Applied Clifford Algebras* 2018, March: 28-32. (20 punktów)
15. R.A.Kycia, **Z.Tabor**, A.Woszczyna, M.Tulik, D.Kabat, Z.Latała: „A framework for assumption-free assessment of imperfect geometry of a linac C-arms”, *Advances in Applied Clifford Algebras* 2018, July: 28-54. (20 punktów)
16. **Z. Tabor** – „The impact of polymers on 3D microstructure and controlled release of sildenafil citrate from hydrophilic matrices”, *Eur. J. Pharm. Sci.* 2018, 119: 234-243. (35 punktów)
17. **M. Baran** – „Closest paths in graph drawings under an elastic metric”, *Int. J. Appl. Math. Comput. Sci.*, 2018, Vol. 28, No. 2, 387–397 (25 punktów)
18. .A. Papaj, P.Weszka, M. Bocheński,**M. Michałek**, P. Karbowiczek, R A. Kycia, A. Kułak, A. Kołodziejczyk, M. Harasymczuk, A. Ławrynowicz, J. Kuźma, T Brol „The design and the performance of stratospheric mission in the search for the Schumann resonances”, *Czasopismo Techniczne PK* (13 punktów)