Artur Rydosz
Imię i nazwisko kandydata

Lista publikacji
- październik 2014

II Prace oryginalne, (rozdziały w książkach zbiorowych, artykuły w czasopismach):

1. **Rydosz A.,** 2015**,** ***Microsystem in LTCC Technology to the Detection of Acetone in Exhaled Breath,*** International Journal of Information and Electronics Engineering (vol. 5, no. 2), 98-101

2. **Rydosz A.,** 2014, ***Amorphous and nanocrystalline magnetron sputtered CuO thin films deposited on Low Temperature Cofired Ceramics substrates for gas sensor applications,*** IEEE Sensor Journal (vol. 14, iss. 5): 1600-1607, **Impact Factor: 1.852**
3. **Rydosz A.,** 2014, ***Micropreconcentrator in LTCC Technology with Mass Spectrometry for the Detection of Acetone in Healthy and Type-1 Diabetes Mellitus Patient Breath,*** Metabolites, 4, 921-931.
4. **Rydosz A.,** 2014, ***Micropreconcentrators in Silicon-Glass Technology for the Detection of Diabetes Biomarkers,*** Journal of Microelectronics, Electronic Components and Materials (vol. 44, iss. 2): 126-136, **Impact Factor: 0.369**
5. W. Maziarz**, A. Rydosz**, K. Wysocka, T. Pisarkiewicz, 2014, ***Sensor properties of ZnO:Al nanofibers obtained by electrospinning***, Materials Science Poland (vol. 32, iss.2): 176-180, **Impact Factor: 0.327**
6. Kwapińska D., **A. Rydosz,** W. Maziarz, T. Pisarkiewicz, K. Marszałek, B. Olszańska-Piątek, 2014, ***Nieinwazyjna metoda oznaczania glukozy w badaniach cukrzycy,*** Elektronika (vol. 55, iss. 2): 11-14
7. **Rydosz A.,** Maziarz W. Pisarkiewicz T., Bartsch de Torres, Mueller J., 2013, ***A Micropreconcentrator Design Using Low Temperature Cofired Ceramics Technology for Acetone Detection Applications,*** IEEE Sensor Journal (vol. 13, iss. 5): 1889-1896, **Impact Factor: 1.852**
8. **Rydosz A.**, Maziarz W., Pisarkiewicz T., Domanski K., Grabiec P., 2012, ***A gas micropreconcentrator for low level acetone measurements,*** Microelectronics Reliability (11): 2640-2646, **Impact Factor: 1.167**
9. Pisarkiewicz T., Kenig T., **Rydosz A.,** Maziarz W**.**, 2011, ***Solution growth of ZnO sub-micro rods enhanced by electric field,*** Bulletin of the Polish Academy of Sciences (4): 425-428, **Impact Factor: 0.966**
10. **Rydosz A.,** Maziarz W., 2011, ***Badania termiczne prekoncentratora gazów w technologii LTCC,*** Przegląd Elektrotechniczny (10): 309-312, **Impact Factor: 0.244**
11. **Rydosz A.,** Maziarz W., Pisarkiewicz T., 2011, ***Kształtowanie jednorodnego rozkładu temperatury w półprzewodnikowych rezystancyjnych sensorach gazów w technologii LTCC,*** Przegląd Elektrotechniczny (4): 249-252, **Impact Factor: 0.244**
12. Sobków Z., **Rydosz A.,** 2011, ***FPGA implemented teperature controller for mid-IR methane optical detector,*** Przegląd Elektrotechniczny (6): 227-229, **Impact Factor: 0.244**

13. Bieńkowski A., Gaudyn J., Zaraska K., **Rydosz A.,** Maziarz W., Malecha K., 2011, ***Laser micromachined LTCC gas sensors,*** Elektronika (3): 90-92
14. Pisarkiewicz T., Maziarz M., **Rydosz A.,** 2010, ***Mikrosystemy z prekoncentracją w detekcji bardzo niskich stężeń gazów,*** Elektronika (10): 57-60
15. Maziarz M., **Rydosz A.,** Pisarkiewicz T., 2010, ***Prekoncentrator gazu w technologii LTCC,*** Elektronika (6): 142-144

V. Prace pokonferencyjne i doniesienia zjazdowe:

1. **A. Rydosz,** W. Maziarz, T. Pisarkiewicz, K. Wincza, 2014, ***Deposition of Nanocrystalline WO_3 and CuO Thin Film In View of Gas Sensor Applications,*** The Second International Conference on Technological Advances in Electrical, Electronics and Computer Engineering (TAEECE2014), Kuala Lumpur, Malaysia – March 18-20, 2014, 150-155
2. K. Staszek, P. Kamiński, **A. Rydosz**, K. WIncza, S. Gruszczynski, 2014, ***Broadband miniaturized butler matrix utilizing left-handed transmission lines***, 2014 20th International Conference on Microwaves, Radar, and Wireless Communication (MIKON), 2014, Gdańsk, Poland 16-18 June, DOI: 10.1109/MIKON.2014.6899951
3. K. Staszek, P. Kamiński, **A. Rydosz,** S. Gruszczynski, K. WIncza, 2013, ***A least-squares approach to the calibration of multiport reflectometers,*** 2013 IEEE MTT-S International Microwave and RF Conference, New Delhi, India – December 14-16, DOI: 10.1109/IMaRC.2013.6777712
4. K. Staszek, P. Kamiński, **A. Rydosz,** S. Gruszczynski, K. WIncza, 2013, ***Miniaturized broadband three-section symmetrical directional coupler with reduced coupling coefficient requirements,*** 2013 IEEE MTT-S International Microwave and RF Conference, New Delhi, India – December 14-16, DOI: 10.1109/IMaRC.2013.6777713
5. K. Staszek S. Gruszczynski, K. Wincza, **A. Rydosz**, 2013, ***Broadband measurements of reflection coefficient with the use of Butler matrix,*** 2013 SBMO/IEEE MTT-S International Microwave & Optoelectronics Conference (IMOC), Rio de Janeiro, Brasil – August 4-7, DOI: 10.1109/IMOC.2013.6646410
6. I. Slomian, J. Sorocki, P. Kaminski, **A. Rydosz,** K. Wincza, S. Gruszczynski, ***Broadband 4× 4 microstrip antenna array utilizing slot-coupled power dividers,*** 2013 SBMO/IEEE MTT-S International Microwave & Optoelectronics Conference (IMOC), Rio de Janeiro, Brasil – August 4-7, DOI: 10.1109/IMOC.2013.6646421
7. W. Maziarz, T. Pisarkiewicz, **A. Rydosz**, K. Wysocka, G. Czyrnek, 2013, ***Metal oxide nanostructures for gas detection***, Electron Technology Conference 2013, Ryn , Poland, April 16-21, *Proc. SPIE* 8902, Electron Technology Conference 2013, 890226 (July 25, 2013); DOI:10.1117/12.2030298
8. I. Slomian, A. Rydosz, K. Staszek, K. Wincza, S. Gruszczynski, 2013, ***Reduced sidelobe switched beam antenna array for driver's fatigue level Doppler sensor,*** 2013 International Conference on Informatics, Electronics & Vision (ICIEV), Dhaka, Bangladesh – May 17-18, DOI: 10.1109/ICIEV.2013.6572605
9. **A. Rydosz,** W. Maziarz, T. Pisarkiewicz, K. Wincza, S. Gruszczynski, 2013, ***Nano-thin CuO films doped with Au and Pd for gas sensors applications,*** 2013 International Conference on Informatics, Electronics & Vision (ICIEV), Dhaka, Bangladesh – May 17-18, DOI: 10.1109/ICIEV.2013.6572588

10. **A. Rydosz,** W. Maziarz, T. Pisarkiewicz, S. Gruszczynski, K. Wincza, 2012, ***The gas micropreconcentrators in LTCC and MEMS technologies for breath acetone analysis,*** 2012 IEEE Electrical Design of Advanced Packaging and Systems Symposium (EDAPS), Taipei – Taiwan, December 9-11, DOI:10.1109/EDAPS.2012.6469380
11. W. Maziarz, **A. Rydosz,** T. Pisarkiewicz, K. Domański, P. Grabiec, 2012, ***Gas-sensitive Properties of ZnO Nanorods/Nanowires Obtained by Electrodeposition and Electrospinning Methods,*** Procedia Engineering (vol. 47): 841-844, 26th European Conference on Solid-State Transducers, EUROSENSOR 2012, DOI: 10.1016/j.proeng.2012.09.278
12. S. Gruszczynski, K. Wincza, **A. Rydosz**, 2012, ***A broadband low-cost antenna array for Frequency Modulated Continuous Wave (FMCW) radars operating at 24 GHz,*** Communications and Electronics (ICCE), 2012 Fourth International Conference, DOI: 10.1109/CCE.2012.6315938
13. T. Pisarkiewicz, W. Maziarz, **A. Rydosz,** H. Jankowski, J. Sokulski, 2012, ***Deposition of nanocrystalline WO3 thin film using magnetron sputtered multilayer structure in view of gas sensors applications,*** IMCS 2012 - The 14th International Meeting on Chemical Sensors, May 20-23, Nuernberg, Germany
14. **A. Rydosz,** W. Maziarz, T. Pisarkiewicz, K. Domański, P. Grabiec, 2011, ***The gas micropreconcentrator structures for low level breath acetone concentration detection,*** Breath Analysis Summit 2011 - International Conference on Breath Research, 216-217
15. **A. Rydosz A.,** W. Maziarz, T. Pisarkiewicz, K. Domański, P. Grabiec, 2011, ***The gas micropreconcentrator structures for low level acetone concentration detection,*** Gas sensors based on semiconducting metal oxides: basic understanding & applications : 4th GOSPEL workshop : Tübingen (Germany), 6th and 7th of June, 2011: 60–61
16. T. Pisarkiewicz, W. Maziarz, **A. Rydosz,** J. Mueller, M. Mach, 2010, ***Microsystem in LTCC technology for measurements of gas concentration in a sub-ppm range,*** EUROSENSOR XXIV CONFERENCE Book Series: Procedia Engineering (5): 1244-1247