

Sylwia Żołądek

Lista publikacji

z dnia 31 października 2014

Książki i monografie

1. Blicharska M., Dobrzeńska A., Żołądek S., PhD Interdisciplinary Journal, **Development of nanostructured gold-containing electrodes for glucose oxidation**, Czubenko M., Politechnika Gdańska, Gdańsk 2014, s. 19-26.

Publikacje w czasopismach

1. Zoladek S., Solarska R., Skorupska K., Rutkowska I.A., Wadas A., Bienkowski K., Lewerenz J.H., Palys B., Kulesza P.J., 2014, **Enhancement of Photoelectrochemical Water Splitting and Solar Energy Induced Electroreduction of Carbon Dioxide through Utilization of Plasmonic and Electrocatalytic Metal Nanoparticles**, *ECS Transactions* 58(30): s. 9-20
2. Solarska R., Bienkowski K., Zoladek S., Majcher A., Stefaniuk T., Kulesza P.J., Augustynski J., 2014, **Enhanced Water Splitting at Thin Film tungsten trioxide Photoanodes Bearing Plasmonic gold-polyoxometalate particles**, *Angew. Chem. Int Ed Engl.* 53: s. 14196-14200
3. Kolary-Zurowska A., Zurowski A., Dsoke S., Dembinska B., Zoladek S., Kiliszek M., Marassi R., Kulesza P.J., 2014, **Electrocatalytic properties of platinum nanocenters electrogenerated at ultra-trace levels within zeolitic phosphododecatungstate cesium salt matrices**, *J. Solid State Electrochem.* 18: s. 2993-3001
4. Zoladek S., Rutkowska I.A., Blicharska M., Gierwatowska M., Kulesza P.J., 2013, **Multifunctional Nanostructured Materials for Oxidation of Methanol**, *ECS Transactions* 53(28): s. 1-10
5. Zoladek S., Rutkowska I.A., Skorupska K., Wadas A., Gierwatowska M., Kulesza P.J., 2013, **Development and Characterization of Highly Efficient Integrated Electrocatalytic Systems utilizing Nanostructured Catalysts and Gold Nanoparticles**, *ECS Transactions* 53(16): s. 27-40
6. Blicharska M., Dobrzeńska A., Żołądek S., Stroka J., Kulesza P.J., 2013, **Catalytic oxidation of glucose on gold nanoparticles in neutral pH**, *Copernican Letters*, Polish Chemical Society 4: s. 51-57 ISSN 2082 968X
7. Klak K., Marks D., Wadas A., Piatek M., Lotowska W., Zoladek S., Rutkowska I.A., Kulesza P.J., 2013, **Nanostructured Hybrid Electrocatalytic Materials for Ethanol Oxidation: Activation of Pt-Ru Centers through Modification with Selected Metal Oxides**, *ECS Transactions* 45(21): s. 13-24
8. Skorupska K., Giordano C., Zoladek S., Zurowski A., Milke B., Gao Q.S., Ramirez-Caro A., Fiechter S., Lewerenz H.J., Kulesza P.J., 2014, **Semiconducting Ta₃N₅ - Polymer Nanohybrid that Photoelectrolyze Water**, *ECS Transactions* 58(30): s. 1-7
9. Rutkowska I.A., Andrearczyk A., Zoladek S., Goral M., Darowicki K., Kulesza P.J., 2011, **Electrochemical characterization of Prussian blue type nickel hexacyanoferrate redox mediator for potential application as charge relay in dye-sensitized solar cells**, *J. Solid State Electrochem.* 15: s. 2545-2552
10. Zoladek S., Rutkowska I.A., Kulesza P.J., 2011, **Enhancement of activity of platinum towards oxidation of ethanol by supporting on titanium dioxide containing phosphomolybdate-modified gold nanoparticles**, *Applied Surface Science* 257: s. 8205-8210

11. Zoladek S., Rutkowska I.A., Skorupska K., Palys B., Kulesza P.J., 2011, ***Fabrication of polyoxometallate-modified gold nanoparticles and their utilization as supports for dispersed platinum in electrocatalysis***, *Electrochim. Acta* 56: 10744-10750
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