

Piotr Nowicki

Lista publikacji
z dnia 30 października 2010

Publikacje w czasopismach

1. Nowicki P., Skrzypczak M., Pietrzak R., 2010, *Effect of activation method on the physicochemical and sorption properties of active carbons obtained from plum stones*, *Chemical Engineering Journal* 162: 723-729
2. Pietrzak R., Jurewicz K., Nowicki P., Babel K., Wachowska H., 2010, *Nitrogen-enriched bituminous coal based active carbons as materials for supercapacitors*, *Fuel* 89: 3457-3467
3. Nowicki P., Wachowska H., Pietrzak R., 2010, *Active carbons prepared by chemical activation of plum stones and their application in removal of NO₂*, *Journal of Hazardous Materials* 181: 1088-1094
4. Nowicki P., Pietrzak R., 2010, *Carbonaceous adsorbents prepared by physical activation of pine sawdust and their application for removal of NO₂ in dry and wet conditions*, *Bioresource Technology* 101: 5802-5807
5. Nowicki P., Pietrzak R., Wachowska H., 2010, *Sorption properties of active carbons obtained from walnut shells by chemical and physical activation*, *Catalysis Today* 150: 107-114
6. Nowicki P., Pietrzak R., Wachowska H., 2010, *X-ray photoelectron spectroscopy study of nitrogen-enriched active carbons obtained by ammoxidation and chemical activation of brown and bituminous coals*, *Energy & Fuels* 24: 1197-1206
7. Nowicki P., Pietrzak R., Dobkiewicz M., Wachowska H., 2010, *The effect of ammoxidation process on NO₂ sorption abilities of active carbons*, *Acta Physica Polonica A* 118: 493-499
8. Pietrzak R., Nowicki P., Wachowska H., 2010, *Ammoxidised active carbons as adsorbents for pollution from liquid and gas phase*, *Polish Journal of Environmental Studies* 19(2): 449-452
9. Nowicki P., Pietrzak R., Wachowska H., 2009, *Influence of metamorphism degree of the precursor on preparation of nitrogen enriched activated carbons by ammoxidation and chemical activation of coals*, *Energy & Fuels* 23: 2205-2212
10. Pietrzak R., Nowicki P., Wachowska H., 2009, *The influence of oxidation with nitric acid on the preparation and properties of active carbon enriched in nitrogen*, *Applied Surface Science* 255: 3586-3593
11. Jurewicz K., Pietrzak R., Nowicki P., Wachowska H., 2008, *Capacitance behaviour of brown coal based active carbon modified through chemical reaction with urea*, *Electrochimica Acta* 53: 5469-5475
12. Nowicki P., Pietrzak R., Wachowska H., 2008, *Siberian anthracite as a precursor material for microporous activated carbons*, *Fuel* 87: 2037-2040
13. Nowicki P., Pietrzak R., Wachowska H., 2008, *Comparison of physico-chemical properties of nitrogen enriched activated carbons prepared by physical and chemical activation of brown coal*, *Energy & Fuels* 22: 4133-4138
14. Latocha M., Pilawa B., Pietrzak R., Nowicki P., Wachowska H., 2008, *Conditions of photodynamic therapy of tumor cells examined by carbonized coal and EPR spectroscopy*, *Engineering of Biomaterials* 73: 6-8
15. Pietrzak R., Jurewicz K., Nowicki P., Babel K., Wachowska H., 2007, *Microporous activated carbons from ammoxidised anthracite and their capacitance behaviours*, *Fuel* 86: 1086-1092
16. Pietrzak R., Wachowska H., Nowicki P., Babel K., 2007, *Preparation of modified active carbon from brown coal by ammoxidation*, *Fuel Processing Technology* 88: 409-415
17. Pietrzak R., Wachowska H., Nowicki P., 2006, *Preparation of nitrogen-enriched activated carbons from brown coal*, *Energy & Fuels* 20: 1275-1280
18. Pietrzak R., Wachowska H., Nowicki P., 2005, *The effect of flame coal oxidation on solid and soluble products of its extraction*, *Central European Journal of Chemistry* 3(4): 852-865
19. Pietrzak R., Wachowska H., Nowicki P., 2004, *The effect of coal oxidation on the yield and structure of extracts*, *Polish Journal of Applied Chemistry* 1-2: 51-61

Prace przeglądowe

1. Nowicki P., Wachowska H., 2009, **Węgle aktywne jako materiał elektrodowy dla kondensatorów elektrochemicznych**, *Wiadomości Chemiczne* 63(5-6): 461-476
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3. Nowicki P., Wachowska H., 2008, **Rozwój struktury porowatej węgla aktywnych na drodze aktywacji fizycznej i chemicznej węgla kopalnych**, *Wiadomości Chemiczne* 62(9-10): 827-848

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1. Nowicki P., Rutkowska A., Pietrzak R., 2010, **Activated carbons obtained from sunflower husks for NO₂ removal**, *Proc. of the 10th Pannonian Int. Symposium on Catalysis*: 316-323
2. Gościańska J., Nowak I., Nowicki P., Pietrzak R., 2010, **Physicochemical and catalytic properties of activated carbons modified with silver**, *Proc. of the 10th Pannonian Int. Symposium on Catalysis*: 175-182
3. Supłat M., Nowicki P., Wachowska H., Pietrzak R., 2010, **NO₂ removal on adsorbents obtained by pyrolysis of cardboard**, *Procc. Int. Conf. Carbon'10*, CD
4. Sawicka K., Nowicki P., Wachowska H., Pietrzak R., 2010, **Sorption performance towards NO₂ of nitrogen-enriched adsorbents obtained from sawdust pine**, *Procc. Int. Conf. Carbon'10*, CD
5. Rutkowska A., Nowicki P., Pietrzak R., 2010, **Carbonaceous materials obtained from sunflower husks for NO₂ removal**, *Procc. Int. Conf. Carbon'10*, CD
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9. Pietrzak R., Nowicki P., Wachowska H., 2008, **Nitrogen enriched active carbons obtained by amoxidation and their physico-chemical properties**, *Proc. Int. Conf. Carbon'08*, CD
10. Pietrzak R., Nowicki P., Wachowska H., Puślecki P., 2007, **The effect of coalification degree on the properties and structure of active carbon enriched in nitrogen in the reaction with urea**, *Annals of the Polish Chemical Society 2007*: 398-401
11. Nowicki P., Pietrzak R., Wachowska H., 2007, **Physico-chemical properties of active carbon enriched in nitrogen**, *Annals of the Polish Chemical Society 2007*: 431-434
12. Jurewicz K., Pietrzak R., Wachowska H., Nowicki P., Babel K., 2006, **Enhance capacitance of active carbon through chemical reaction with urea**, *Proc. Int. Conf. Carbon'06*, CD
13. Stęchlicki E., Nowicki P., Wachowska H., Jurewicz K., 2006, **Węgiel płomienny wzbogacony w azot jako prekursor węgla aktywnych**, *Chemia w zrównoważonym rozwoju*: 365-370
14. Nowicki P., Pietrzak R., Wachowska H., 2006, **Otrzymywanie węgla aktywnych z węgla płomiennego za pomocą różnych czynników aktywujących**, *Chemia w zrównoważonym rozwoju*: 259-264
15. Nowicki P., Pietrzak R., Wachowska H., 2006, **Badania powierzchni utlenionych węgla pozbawionych pirytu metodą XPS**, *Chemia w zrównoważonym rozwoju*: 285-290
16. Pietrzak R., Wachowska H., Nowicki P., 2005, **Analysis of extracts obtained from oxidised coals of different sulphur content**, *Annals of the Polish Chemical Society 2*: 260-264
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