

[11] Surovikin Yu.V., Shaitanov A.G., Rezanov I.V., Syryeva A.V. Thermogasochemical modification of carbon black: structure and properties (Termogazokhimicheskaya modifikatsiya tekhnicheskogo ugleroda: struktura i svoystva kollektivnaya monografiya). Technological Combustion (Tekhnologicheskoye gorenije): Collective Monograph / Ed. ed. Acad. CM. Aldoshina, Corr. RAS M.I. Alyмова. Ch. 7. M.: Publishing House of the Russian Academy of Sciences, 2018; pp. 161–191 (in Russ.).

[12] Gruber T., Zerda T., Gerspacher M. Raman studies of heat-treated carbon blacks. *Carbon*, 1994;32:1377–1382 (in Eng.).

[13] Pawlyta M., Rouzaud J.-N., Duber S. Raman microspectroscopy characterization of carbon blacks: spectral analysis and structural information. *Carbon*, 2015;84:479–490 (in Eng.).

[14] Wang M.-X. Electrolyte fuel cells using steam etching. *Mater. Chem. Phys*, 2010;123:761–766 (in Eng.).

[15] Pantea D. Electrical conductivity of conductive carbon blacks: Influence of surface chemistry and topology. *Appl. Surf. Sci*, 2003;217:181–193 (in Eng.).

[16] Celzard A. Electrical conductivity of carbonaceous powders. *Carbon*, 2002;40:2801–2815 (in Eng.).

[17] Surovikin Yu.V., Shaitanov A.G., Rezanov I.V., Syryeva A.V. Formation the properties of carbon black particles by gas-phase thermochemical modification. *Inorganic Materials: Applied Research*, 2019;10(2):479–494 (in Eng.).

[18] Dollimore D., Heal G.R. An improved method for the calculation of pore size distribution from adsorption data. *J. Appl. Chem*, 1964;14:109–114 (in Eng.).

[19] Puzynin A.V., Samarov A.V., Voropay A.N., Kozlov A.P., Barnakov Ch.N., Ismagilov Z.R. Use of highly porous carbon materials filled with metal hydroxide as electrodes of a supercapacitor (Ispol'zovaniye vysokoporistykh uglerodnykh materialov, napolnennykh gidroksidom metalla v kachestve elektrodov superkondensatora). *Bulletin Kemerovo State University (Vestnik Kemerovskogo gosudarstvennogo universiteta)*, 2014;3:238–241 (in Russ.).

[20] Voropay A.N., Surovikin Yu.V., Rezanov I.V. Investigation of the electrochemical behavior of an ionic liquid with porous carbon materials based on carbon black (Issledovaniye elektrokhimicheskogo povedeniya ionnoy zhidkosti s poristymi uglerodnymi materialami na osnove tekhnicheskogo ugleroda). *Dynamics of systems, mechanisms and machines (Dinamika sistem, mekhanizmov i mashin)*, 2018;6:165–170 (in Russ.).

[21] Zakharov Yu.A., Voropay A.N., Fedorova N.M., Pugachev V.M., Puzynin A.V., Barnakov Ch.N., Ismagilov Z.R., Manina T.S. Highly porous carbon materials filled with nickel hydroxide nanoparticles; synthesis, study, application in electrochemistry. *Eurasian Chemico-Technological Journal*, 2015;17:187–191 (in Eng.).

[22] Zakharov Yu.A., Ismagilov Z.R., Voropai A.N., Manina T.S., Barnakov Ch.N., Samarov A.V., Pugachev V.M., Kolmykov R.P., Dodonov V.G. Nanostructured composites based on porous carbon matrices filled with nickel hydroxide crystallites. *Inorganic Materials*, 2015;51(4):405–411 (in Eng.).

Транслитерация по BSI



With the ever pressing sustainability & recycling, the fluctuation of feedstock prices, the European carbon black industry is facing changes in the near future. The industry will need to adapt to these new objectives & developments, and work together as a whole to ensure a smooth & thriving transition.

ACI's 2nd European Carbon Black Summit will be taking place in Frankfurt, Germany on 24 & 25 June 2020. The two day event will bring together the senior representatives of the different stakeholders involved in this sector from producers, technology developers, rubber producers, chemical suppliers, researchers, as well as other influential stakeholders from the value chain.

Join us at the Summit to discover the key topics and updates from the latest developments in essential areas of this industry.

Key Topics:

- International Market Review of the Carbon Black Industry
- The Improvements and Technology Advances in the Production Process
- Evolving Sustainability: Introducing Recovered Carbon Black (Part 1)
- Evolving Sustainability: Introducing Recovered Carbon Black (Part 2)
- etc.

<https://www.wplgroup.com/aci/event/carbon-black-summit/>

