

Carbon – Science and Technology

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Content

Founding Editorial

1. Single crystals of fullerene (C₆₀) makes organic thick film solar cells and self supporting organic solar cells possible.

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2. Dual distributions for the metallic and semiconducting single-walled carbon nanotubes observed by Raman spectroscopy.

Krishnendu Bhattacharyya ^(*,A), Yoshiyuki Suda ^(B), Atsushi Okita ^(B), Takeshi Saito ^(B), Atsushi Ozeki ^(B), Masayuki Maekawa ^(B), Junichi Takayama ^(B), Hirotake Sugawara ^(B), Yosuke Sakai ^(B)

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3. Diazoalkane addition reaction on the fullerene dimer C₁₂₀O and characterization of the resulting mono-adduct.

Lars Weber, Markus Reinmöller, Uwe Ritter

Technische Universität Ilmenau, Institute of Physics, Department of Chemistry, P.O.B. 100565, D-98684 Ilmenau, Germany.

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4. Preparation of iron doped carbon coated W₁₈O₄₉ and its photoactivity.

Hany H. Abdel Ghafar, Tomoki Tsumura and Masahiro Toyoda

Faculty of Engineering, Oita University, Dannoharu 700, Oita 870 – 1192, Japan.

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5. Methane storage in a commercial activated carbon.

C. Guan, C. Yang and K. Wang

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6. Magnetic properties of electroless nickel-phosphorus coated multi-walled carbon nanotubes.

Amanda V. Ellis ^(*, A), **James Storey** ^(B), **Samuel Wallace** ^(A), **Bridget Ingham** ^(B)

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7. The examination of NiO and CoO_x catalysts supported on Al₂O₃ and SiO₂ for carbon nanotubes production by catalytic chemical vapor deposition of methane.

Siang-Piao Chai, V. M. Sivakumar, Sharif Hussein Sharif Zein, Abdul Rahman Mohamed ^(*)

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8. Characterization of carbon pastes as matrices in composite electrodes for use in electrochemical capacitors.

O. Martinez-Alvarez, M. Miranda-Hernandez

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9. Investigation of wetting behavior of coal-chars with liquid iron by sessile drop method.

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10. Semiconducting, Magnetic or Superconducting Nanoparticles encapsulated in Carbon Shells by RAPET method.

Vilas G. Pol ^(*), Swati V. Pol and Aharon Gedanken

Center for Advanced Materials and Nanotechnology, Department of Chemistry, Bar-Ilan University, Ramat-Gan, 52900, Israel.

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