

# **Carbon – Science and Technology**

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### **Founding Editorial**

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#### **1. Single crystals of fullerene (C<sub>60</sub>) makes organic thick film solar cells and self supporting organic solar cells possible.**

**Prakash R. Somani <sup>(\*,A,B)</sup>, Savita P. Somani <sup>(A)</sup>, M. Umeno <sup>(A)</sup>**

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

**Krishnendu Bhattacharyya <sup>(\*,A)</sup>, Yoshiyuki Suda <sup>(B)</sup>, Atsushi Okita <sup>(B)</sup>, Takeshi Saito <sup>(B)</sup>, Atsushi Ozeki <sup>(B)</sup>, Masayuki Maekawa <sup>(B)</sup>, Junichi Takayama <sup>(B)</sup>, Hirotake Sugawara <sup>(B)</sup>, Yosuke Sakai <sup>(B)</sup>**

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**3. Diazoalkane addition reaction on the fullerene dimer C<sub>120</sub>O 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 W<sub>18</sub>O<sub>49</sub> 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**

School of Chemical and Biomedical Engineering, Nanyang Technological University, Singapore 637459.

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

**Amanda V. Ellis** <sup>(\*, A)</sup>, **James Storey** <sup>(B)</sup>, **Samuel Wallace** <sup>(A)</sup>, **Bridget Ingham** <sup>(B)</sup>

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## **7. The examination of NiO and CoO<sub>x</sub> catalysts supported on Al<sub>2</sub>O<sub>3</sub> and SiO<sub>2</sub> for carbon nanotubes production by catalytic chemical vapor deposition of methane.**

**Siang-Piao Chai, V. M. Sivakumar, Sharif Hussein Sharif Zein, Abdul Rahman Mohamed** <sup>(\*)</sup>

School of Chemical Engineering, Engineering Campus, Universiti Sains Malaysia, Seri Ampangan, 14300 Nibong Tebal, S. P. S. Pulau Pinang, Malaysia.

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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**

Dpto. Materiales Solares, Centro de Investigación en Energía, Universidad Nacional Autónoma de México, Apartado Postal 34, Temixco, Mor. 62580, México.

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

**Rita Khanna <sup>(\*)</sup>, Fiona McCarthy and Veena Sahajwalla**

School of Materials Science and Engineering, University of New South Wales, Sydney, NSW 2052, Australia.

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

**Vilas G. Pol <sup>(\*)</sup>, 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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