

CV: Gromov, Andrei Vladimirovich;

Gender: male

Date of birth: March 20, 1959

Nationality: Russian

Education:

MSc. (with honours) in Chemistry from Moscow State Lomonosov University, Chemical Department, Moscow, Russia, 1981

PhD in Element Organic Chemistry from Moscow State Lomonosov University, Chemical Department., Subfaculty of Organic Chemistry; Moscow, Russia, 1985.

Current position: Research associate, School of Chemistry, Edinburgh University, Edinburgh EH9 3JJ

Career:

Research Associate, Edinburgh University, School of Chemistry (since 11/2007 -)

Researcher within NICE EU project and Swedish CAMEL consortium etc. at Atomic and Molecular Physics group, Göteborg University, Sweden, 08/2000-10/2007

Visiting scientist and then research associate in the group of Prof. L Dunsch, Institut für Festkörper- und Werkstofforschung, Dresden, Germany, 03/1998 – 07/

Visiting scientist in the group of Prof. E.E.B.Campbell, Max-Born-Institut für Nichtlineare Optik und Kurzzeitspektroskopie, Berlin, Germany, 11/1997 – 02/

Visiting scientist in the group of Prof. W. Krätschmer, Max-Planck Institut für Kernphysik, Heidelberg, Germany, 07/1995 – 11/1997

Research associate in the Laboratory of Pyrolytic Polymerisation on Surface, Federal Research Centre 'Karpov Institute of Physical Chemistry', Moscow, Russia, 06/1991 – 1997

Junior research associate, since 1986 - research associate, State Institute of Organic Chemistry and Technology, Moscow, Russia, 01/1985 – 05/

Publications: A. Gromov has 63 publications listed in ISI Web of science with total of 655 citations with an h-index of 16 (total number of publications inc. conference proceedings and Soviet Union patents >70).

Outside recognition:

External reviewer of grant proposals for Czech Academy of Science 2006 and 2007

External reviewer for J. Nanoscience & Nanotechnology, J. Energetic Materials, Nanotechnology, Langmuir, ACS Advanced Materials and Interfaces, Chemical Engineering Journal, Environmental Science Nano.

Invited talk 'Potential materials for CO₂ capture: Amino-functionalised Carbon Nanotubes and activated carbons.' in Institute of Physical Chemistry, Polish Academy of Sciences within NOBLESSE network , Dec. 2013.

Some Relevant Publications

Gromov, A., et al., *Preparation and characterisation of C₁₁₉*. Chem. Phys. Lett., 1997. **267**(5-6): p. 460-466.

Gromov, A., et al., *Extraction and HPLC purification of Li@C_{60/70}*. Chem. Comm., 1997(20): p. 2003-2004.

Gromov, A., et al., *C₁₂₀O₂: The first [60]fullerene dimer with cages bis-linked by furanoid bridges*. Chem. Comm., 1997(2): p. 209-210.

Gromov, A., et al., *Isomers of the dimeric fullerene C₁₂₀O₂*. J. Phys. Chem. A, 1998. **102**(26): p. 4997-5005.

Krause, M., et al., *Vibrational signatures of fullerene oxides*. Journal of the Chemical Society-Faraday Transactions, 1998. **94**(16): p. 2287-2294.

Lebedkin, S., et al., *Raman scattering study of C₁₂₀, a C₆₀ dimer*. Chem. Phys. Lett., 1998. **285**(3-4): p. 210-215.

Giesa, S., et al., *C₁₂₀OS: the first sulfur-containing dimeric [60]fullerene derivative*. Chem. Comm., 1999(5): p. 465-466.

Krawez, N., et al., *Thermal stability of Li@C₆₀*. European Physical Journal D, 1999. **9**(1-4): p. 345-349.

Gromov, A., et al., *Optical properties of endohedral Li@C₆₀*. Current Applied Physics, 2002. **2**(1): p. 51-55.

Lassesson, A., et al., *Investigations into the fragmentation and ionization of highly excited La@C₈₂*. J. Chem. Phys., 2002. **117**(21): p. 9811-9817.

Dunsch, L., et al., *In situ ESR/UV-vis-NIR spectroelectrochemistry of C₆₀ and its dimers C₁₂₀, C₁₂₀O and C₁₂₀OS*. Journal of Electroanalytical Chemistry, 2003. **547**(1): p. 35-43.

Gromov, A., et al., *Fourier transform infrared and Raman spectroscopic study of chromatographically isolated Li@C₆₀ and Li@C₇₀*. J. Phys. Chem. B, 2003. **107**(41): p. 11290-11301.

Lassesson, A., et al., *Oxygen reactivity of La@C₈₂ investigated with laser desorption mass spectrometry*. Int. J. Mass Spectrom., 2003. **228**(2-3): p. 913-920.

Lassesson, A., et al., *Formation of small lanthanum-carbide ions from laser induced fragmentation of La@C₈₂*. J. Chem. Phys., 2003. **119**(11): p. 5591-5600.

Gromov, A., et al., *Covalent amino-functionalisation of single-wall carbon nanotubes*. J. Mater. Chem., 2005. **15**(32): p. 3334-3339.

Angelikopoulos, P., et al., *Dispersing Individual Single-Wall Carbon Nanotubes in Aqueous Surfactant Solutions below the cmc*. J. Phys. Chem. C, 2010. **114**(1): p. 2-9.

Strain, K.M., et al., *Direct Deposition of Aligned Single Walled Carbon Nanotubes by Fountain Pen Nanolithography*. Materials Express, 2011. **1**(4): p. 279-284.

Gromov, A.V., et al., *Direct grafting of carbon nanotubes with ethylenediamine*. J. Mater. Chem., 2012. **22**(39): p. 21242-21248.

Gibson, J.A.A., et al., *The effect of pore structure on the CO₂ adsorption efficiency of polyamine impregnated porous carbons*, Micropor. and Mesopor. Materials, 2015 in press