CURRICULUM VITAE

Nikolaos M. Karousis

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Education

- Ph.D. Thesis "Synthesis and reactions of 1-aroyl- and 1-aroylmethylenepyrroles", Department of Chemistry, University of Ioannina, Greece (2003).
- Diploma in Chemistry, Department of Chemistry, University of Ioannina, Greece (1995).

Research & Teaching Appointments

9/2006 - present:	Post-Doctoral Researcher, TPCI, NHRF, Athens, Greece.
3/2003-9/2005:	Post-Doctoral Researcher, Department of Chemistry, University of Ioannina, Greece.

Main Research Interests

Chemical modification of carbon nanostructured materials (fullerenes, carbon nanotubes, carbon nanohorns and graphene) for nanotechnology applications. Application of spectroscopic (NMR, ATR-IR, UV-Vis, Raman, Steady State and Time

Resolved Fluorescence, Cyclic Voltammetry), microscopy (AFM, TEM) and thermal (TGA, DSC) techniques for their structural characterization.

External Funding

Participant as associate researcher in 9 national and international research projects in collaboration with academic and industrial organizations (national: PENED, PAVET, Heraklitos, Pythagoras, ΣΥΝΕΡΓΑΣΙΑ, Bilateral Scientific Schemes; EU: EURYI).

Conferences and Invited Talks

31 international and 9 national conferences.

Teaching Activities

- Part Time Teacher of Chemistry and Physics in Technical School (2005 – 2008).
- Laboratory assistant in undergraduate courses in Organic Chemistry Labs (Department of Chemistry, University of Ioannina, Greece, 1996 – 2000).

Invitations

- Invited Visitor Scientist, Centre for Drug Delivery Research, Department of Pharmaceutics, The School of Pharmacy, University of London, London, England (7-8/2007).
- Invited Visitor Scientist, Institute of Organic and Bioorganic Chemistry, Humboldt University, Berlin, Germany (11-12/1997 and 2-3/1998).

Professional Affiliations & Activities

- Reviewer for international scientific research journals in the fields of chemistry, physics and materials science.
- Secretariat member of the 3rd Conference of post-graduate students of Chemistry Department of University of Ioannina (Ioannina, Greece, 1997).

- Secretariat member of the International Conference on Carbon Nanostructured Materials – Cnano'09 (Santorini, Greece, 2009).
- Secretariat member of the Fullerene Silver Anniversary Symposium - "FSAS-2010" (Crete, Greece, 2010).
- Member of the Association of Greek Chemists (1995).

Publications

28 publications in refereed journals and conference proceedings, 2 book chapters, more than 450 citations and h-index=9.

Selected Recent Publications

1. "Benzyne cycloaddition onto carbon nanohorns", D. Chronopoulos, N. Karousis, T. Ichihashi, M. Yudasaka, S. Iijima, N. Tagmatarchis, Nanoscale, 5, 6388 (2013).
2. "Zinc Phthalocyanine–Graphene Hybrid Material for Energy Conversion: Synthesis, Characterization, Photophysics, and Photoelectrochemical Cell Preparation", N. Karousis, J. Ortiz, K. Ohkubo, T. Hasobe, S. Fukuzumi, Á. Sastre-Santos, N. Tagmatarchis, J. Phys. Chem. C, *116,* 20564 (2012).
3. "Microwave-assisted functionalization of carbon nanohorns via [2+1] nitrenes cycloaddition", N. Karousis, T. Ichihashi, M. Yudasaka, S. Iijima, N. Tagmatarchis, Chem Commun, 47, 1604 (2011).
4. "Graphene with covalently linked porphyrin antennae: Synthesis, characterization, and photophysical properties", N. Karousis, A. S. D. Sandanayaka, T. Hasobe, S. P. Economopoulos, E. Sarantopoulou, N. Tagmatarchis, J. Mater. Chem. *21,* 109 (2011)
5. "Current progress on the chemical modification of carbon nanotubes", N. Karousis, N. Tagmatarchis and D. Tasis, Chem. Rev. *110*, 5366 (2010)
6. "Alignment of Carbon Nanotubes in Weak Magnetic Fields" J. Tumpane, N. Karousis, N. Tagmatarchis and B. Nordén, Angew. Chem. Int. Ed., 47, 5148 (2008)
7. "Carbon Nanotubes Decorated with Palladium Nanoparticles: Synthesis, Characterization and Catalytic Activity", N. Karousis, G.–E. Tsotsou, F. Evangelista, P. Rudolf, N. Ragoussis and N. Tagmatarchis, J. Phys. Chem. C, 112, 13463 (2008)